

Patterned Single Digits Representations of Natural Numbers

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Abstract

*This work brings patterned representations of natural numbers from 1 to 1000 in terms of **single digits** from 1 to 9. To bring these results, only **basic operations**, such as **addition**, **subtraction**, **multiplication** and **division** are used. This work is an extension of author's works [7, 13], in patterned form. Patterns representations are some what similar to symmetrical extensions. A similar kind of work in different ways is done by author [12].*

1 Introduction

Let us consider

$$f^n(10) = 10^n + 10^{n-1} + \dots + 10^2 + 10^1 + 10^0,$$

For $a \in \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, we can write

$$af^n(10) = \underbrace{aaa\dots a}_{(n+1)\text{-times}},$$

In particular,

$$\begin{aligned} aa &:= f^1(10) = a10 + a \\ aaa &:= f^2(10) = a10^2 + a10 + a \\ aaaa &:= f^3(10) = a10^3 + a10^2 + a10 + a \\ aaaaa &:= f^4(10) = a10^4 + a10^3 + a10^2 + a10 + a \\ &\dots \end{aligned} \tag{1}$$

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For example, one can write

$$\begin{aligned}
 \mathbf{5} &:= \frac{aa - a}{a + a} = \frac{11 - 1}{1 + 1} = \frac{22 - 2}{2 + 2} = \frac{33 - 3}{3 + 3} = \frac{44 - 4}{4 + 4} = \frac{55 - 5}{5 + 5} = \frac{66 - 6}{6 + 6} = \frac{77 - 7}{7 + 7} = \frac{88 - 8}{8 + 8} = \frac{99 - 9}{9 + 9} \\
 \mathbf{56} &:= \frac{aaa + a}{a + a} = \frac{111 + 1}{1 + 1} = \frac{222 + 2}{2 + 2} = \frac{333 + 3}{3 + 3} = \frac{444 + 4}{4 + 4} = \frac{555 + 5}{5 + 5} = \frac{666 + 6}{6 + 6} = \frac{777 + 7}{7 + 7} = \frac{888 + 8}{8 + 8} = \frac{999 + 9}{9 + 9} \\
 \mathbf{111} &:= \frac{aaa}{a} = \frac{111}{1} = \frac{222}{2} = \frac{333}{3} = \frac{444}{4} = \frac{555}{5} = \frac{666}{6} = \frac{777}{7} = \frac{888}{8} = \frac{999}{9} \\
 &\dots\dots
 \end{aligned} \tag{2}$$

The above representations are in **symmetrized** form. This allows us to write in a single letter ***a***. Below are some examples, of non symmetrized representations of natural numbers in terms of each digit from 1 to 9.

$$\begin{aligned}
 \mathbf{717} &:= (1 + 1)^{11} - 11^{(1+1+1)} &= 22^2 + 222 + 22/2 &= 3^{(3+3)} - 3 - 3 \times 3 \\
 &= 4 \times (4 \times 44 + 4) - 4 + 4/4 &= (55 \times (55 + 5 + 5) + 5 + 5)/5 &= (6 \times 6/(6 + 6))^6 - 6 - 6 \\
 &= 777 - 7 \times 7 - 77/7 &= 8 \times 88 + (88 + 8 + 8)/8 &= 9 \times 9 \times 9 - (99 + 9)/9 \\
 \\
 \mathbf{923} &= (1 + 1)^{(11-1)} + 11 - 111 - 1 &= 2 \times (22^2 - 22) - 2/2 &= 33 + 33 \times 3^3 - 3/3 \\
 &= 44 + 44 \times (4 \times 4 + 4) - 4/4 &= 5 \times (55 + 5) + (5^5 - 5 - 5)/5 &= (6 + 6 + 6/6) \times (66 + 6 - 6/6) \\
 &= 77 \times (77 + 7)/7 - 7/7 &= 888 + 8 + 8 + 8 + 88/8 &= 9 \times 99 + 9 + (99 + 99 + 9)/9 \\
 \\
 \mathbf{995} &= (11 - 1)^{(1+1+1)} - (11 - 1)/(1 + 1) = 22 + 2 \times (22^2 + 2) + 2/2 &= 3 \times 333 - 3 - 3/3 \\
 &= 4 \times (4^4 - 4 - 4) + 4 - 4/4 &= 5 \times (5 + 5) \times (5 \times 5 - 5) - 5 &= 666 + 6 \times 66 - 66 - 6/6 \\
 &= (7 + 7) \times (77 - 7) + 7 + 7 + 7/7 &= 888 + 88 + 8 + 88/8 &= 999 - (9 + 9 + 9 + 9)/9.
 \end{aligned}$$

For more details on this work refer author's work [9]. Also for similar kind of work refer author's another works [4, 10] using **single letter *a*** instead of single digit. See below some examples,

$$\begin{aligned}
 \mathbf{717} &:= ((aaa - a) \times aa / (a + a) + aaa + a) / a \\
 \mathbf{923} &:= (aaaaa - aa - aa - aa - a - a) / (aa + a) \\
 \mathbf{995} &:= (aaaa - aaa - a - a - a - a - a) \\
 &\dots \quad \dots
 \end{aligned} \tag{3}$$

We can bring patterned form of above six numbers given in (1) and (3). See below:

$$\begin{aligned} \mathbf{5} &:= \frac{aa - a}{a + a} \\ \mathbf{55} &:= \frac{aaa - a}{a + a} \\ \mathbf{555} &:= \frac{aaaa - a}{a + a} \\ \mathbf{5555} &:= \frac{aaaaa - a}{a + a} \end{aligned}$$

$$\begin{aligned} \mathbf{6} &:= \frac{aaa + a}{a + a} \\ \mathbf{56} &:= \frac{aaaa + a}{a + a} \\ \mathbf{556} &:= \frac{aaaaa + a}{a + a} \\ \mathbf{5556} &:= \frac{aaaaaa + a}{a + a} \end{aligned}$$

$$\begin{aligned} \mathbf{111} &:= \frac{aaa}{a} \\ \mathbf{1111} &:= \frac{aaaa}{a} \\ \mathbf{11111} &:= \frac{aaaaa}{a} \\ \mathbf{111111} &:= \frac{aaaaaa}{a} \end{aligned}$$

$$\begin{aligned} \mathbf{717} &:= \frac{(aaa - a) \times aa + (aaa + a) \times (a + a)}{(a + a) \times a} \\ \mathbf{1717} &:= \frac{(aaa - a) \times aa + (aaaa + a) \times (a + a)}{(a + a) \times a} \\ \mathbf{11717} &:= \frac{(aaa - a) \times aa + (aaaaa + a) \times (a + a)}{(a + a) \times a} \\ \mathbf{111717} &:= \frac{(aaa - a) \times aa + (aaaaaa + a) \times (a + a)}{(a + a) \times a} \end{aligned}$$

$$\begin{aligned} \mathbf{923} &:= \frac{aaaaa - aa - aa - aa - a - a}{aa + a} \\ \mathbf{925923} &:= \frac{aaaaaaaa - aa - aa - aa - a - a}{aa + a} \\ \mathbf{925925923} &:= \frac{aaaaaaaaaaa - aa - aa - aa - a - a}{aa + a} \\ \mathbf{925925925923} &:= \frac{aaaaaaaaaaaaa - aa - aa - aa - a - a}{aa + a} \end{aligned}$$

$$\begin{aligned} \mathbf{995} &:= \frac{aaaa - aaa - a - a - a - a - a}{a} \\ \mathbf{9995} &:= \frac{aaaaa - aaaa - a - a - a - a - a}{a} \\ \mathbf{99995} &:= \frac{aaaaaa - aaaaa - a - a - a - a - a}{a} \\ \mathbf{999995} &:= \frac{aaaaaaa - aaaaaa - a - a - a - a - a}{a} \end{aligned}$$

Recently, author wrote natural numbers from 1 to 1000 in terms of patterned single letter similar to one given in above six numbers. The aim of this work is to write same numbers 1 to 1000 in patterns forms for each digit separately. This what we have in the section below.

2 Single Digits Pattern

This section brings natural numbers from 1 to 1000 written in patterned form for each digit 1 to 9.

$$\blacktriangleright \quad \mathbf{1} := \frac{1}{1} = \frac{2}{2} = \frac{3}{3} = \frac{4}{4} = \frac{5}{5} = \frac{6}{6} = \frac{7}{7} = \frac{8}{8} = \frac{9}{9}$$

$$\mathbf{11} := \frac{11}{1} = \frac{22}{2} = \frac{33}{3} = \frac{44}{4} = \frac{55}{5} = \frac{66}{6} = \frac{77}{7} = \frac{88}{8} = \frac{99}{9}$$

111

:=

$$\frac{111}{1} = \frac{222}{2} = \frac{333}{3} = \frac{444}{4} = \frac{555}{5} = \frac{666}{6} = \frac{777}{7} = \frac{888}{8} = \frac{999}{9}$$

1111

:=

$$\frac{1111}{1} = \frac{2222}{2} = \frac{3333}{3} = \frac{4444}{4} = \frac{5555}{5} = \frac{6666}{6} = \frac{7777}{7} = \frac{8888}{8} = \frac{9999}{9}$$

►

2

:=

$$\frac{1+1}{1} = \frac{2+2}{2} = \frac{3+3}{3} = \frac{4+4}{4} = \frac{5+5}{5} = \frac{6+6}{6} = \frac{7+7}{7} = \frac{8+8}{8} = \frac{9+9}{9}$$

12

:=

$$\frac{11+1}{1} = \frac{22+2}{2} = \frac{33+3}{3} = \frac{44+4}{4} = \frac{55+5}{5} = \frac{66+6}{6} = \frac{77+7}{7} = \frac{88+8}{8} = \frac{99+9}{9}$$

112

:=

$$\frac{111+1}{1} = \frac{222+2}{2} = \frac{333+3}{3} = \frac{444+4}{4} = \frac{555+5}{5} = \frac{666+6}{6} = \frac{777+7}{7} = \frac{888+8}{8} = \frac{999+9}{9}$$

1112

:=

$$\frac{1111+1}{1} = \frac{2222+2}{2} = \frac{3333+3}{3} = \frac{4444+4}{4} = \frac{5555+5}{5} = \frac{6666+6}{6} = \frac{7777+7}{7} = \frac{8888+8}{8} = \frac{9999+9}{9}$$

►

3

:=

$$\frac{1+1+1}{1} = \frac{2+2+2}{2} = \frac{3+3+3}{3} = \frac{4+4+4}{4} = \frac{5+5+5}{5} = \frac{6+6+6}{6} = \frac{7+7+7}{7} = \frac{8+8+8}{8} = \frac{9+9+9}{9}$$

13

:=

$$\frac{11+1+1}{1} = \frac{22+2+2}{2} = \frac{33+3+3}{3} = \frac{44+4+4}{4} = \frac{55+5+5}{5} = \frac{66+6+6}{6} = \frac{77+7+7}{7} = \frac{88+8+8}{8} = \frac{99+9+9}{9}$$

113

:=

$$\frac{111+1+1}{1} = \frac{222+2+2}{2} = \frac{333+3+3}{3} = \frac{444+4+4}{4} = \frac{555+5+5}{5} = \frac{666+6+6}{6} = \frac{777+7+7}{7} = \frac{888+8+8}{8} = \frac{999+9+9}{9}$$

1113

:=

$$\frac{1111+1+1}{1} = \frac{2222+2+2}{2} = \frac{3333+3+3}{3} = \frac{4444+4+4}{4} = \frac{5555+5+5}{5} = \frac{6666+6+6}{6} = \frac{7777+7+7}{7} = \frac{8888+8+8}{8} = \frac{9999+9+9}{9}$$

►

4

:=

$$\frac{1+1+1+1}{1} = \frac{2+2+2+2}{2} = \frac{3+3+3+3}{3} = \frac{4+4+4+4}{4} = \frac{5+5+5+5}{5} = \frac{6+6+6+6}{6} = \frac{7+7+7+7}{7}$$

:=

$$\frac{8+8+8+8}{8} = \frac{9+9+9+9}{9}$$

14

:=

$$\frac{11+1+1+1}{1} = \frac{22+2+2+2}{2} = \frac{33+3+3+3}{3} = \frac{44+4+4+4}{4} = \frac{55+5+5+5}{5} = \frac{66+6+6+6}{6} = \frac{77+7+7+7}{7}$$

:=

$$\frac{88+8+8+8}{8} = \frac{99+9+9+9}{9}$$

114

:=

$$\frac{111+1+1+1}{1} = \frac{222+2+2+2}{2} = \frac{333+3+3+3}{3} = \frac{444+4+4+4}{4} = \frac{555+5+5+5}{5} = \frac{666+6+6+6}{6} = \frac{777+7+7+7}{7}$$

$$\begin{aligned}
&:= \frac{888+8+8+8}{8} = \frac{999+9+9+9}{9} \\
\end{aligned}$$

$$\begin{aligned}
1114 &:= \frac{1111+1+1+1}{1} = \frac{2222+2+2+2}{2} = \frac{3333+3+3+3}{3} = \frac{4444+4+4+4}{4} = \frac{5555+5+5+5}{5} = \frac{6666+6+6+6}{6} = \frac{7777+7+7+7}{7} \\
&:= \frac{8888+8+8+8}{8} = \frac{9999+9+9+9}{9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright \quad 5 &:= \frac{11-1}{1+1} = \frac{22-2}{2+2} = \frac{33-3}{3+3} = \frac{44-4}{4+4} = \frac{55-5}{5+5} = \frac{66-6}{6+6} = \frac{77-7}{7+7} = \frac{88-8}{8+8} = \frac{99-9}{9+9} \\
55 &:= \frac{111-1}{1+1} = \frac{222-2}{2+2} = \frac{333-3}{3+3} = \frac{444-4}{4+4} = \frac{555-5}{5+5} = \frac{666-6}{6+6} = \frac{777-7}{7+7} = \frac{888-8}{8+8} = \frac{999-9}{9+9} \\
555 &:= \frac{1111-1}{1+1} = \frac{2222-2}{2+2} = \frac{3333-3}{3+3} = \frac{4444-4}{4+4} = \frac{5555-5}{5+5} = \frac{6666-6}{6+6} = \frac{7777-7}{7+7} = \frac{8888-8}{8+8} = \frac{9999-9}{9+9} \\
5555 &:= \frac{11111-1}{1+1} = \frac{22222-2}{2+2} = \frac{33333-3}{3+3} = \frac{44444-4}{4+4} = \frac{55555-5}{5+5} = \frac{66666-6}{6+6} = \frac{77777-7}{7+7} = \frac{88888-8}{8+8} = \frac{99999-9}{9+9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright \quad 6 &:= \frac{11+1}{1+1} = \frac{22+2}{2+2} = \frac{33+3}{3+3} = \frac{44+4}{4+4} = \frac{55+5}{5+5} = \frac{66+6}{6+6} = \frac{77+7}{7+7} = \frac{88+8}{8+8} = \frac{99+9}{9+9} \\
56 &:= \frac{111+1}{1+1} = \frac{222+2}{2+2} = \frac{333+3}{3+3} = \frac{444+4}{4+4} = \frac{555+5}{5+5} = \frac{666+6}{6+6} = \frac{777+7}{7+7} = \frac{888+8}{8+8} = \frac{999+9}{9+9} \\
556 &:= \frac{1111+1}{1+1} = \frac{2222+2}{2+2} = \frac{3333+3}{3+3} = \frac{4444+4}{4+4} = \frac{5555+5}{5+5} = \frac{6666+6}{6+6} = \frac{7777+7}{7+7} = \frac{8888+8}{8+8} = \frac{9999+9}{9+9} \\
5556 &:= \frac{11111+1}{1+1} = \frac{22222+2}{2+2} = \frac{33333+3}{3+3} = \frac{44444+4}{4+4} = \frac{55555+5}{5+5} = \frac{66666+6}{6+6} = \frac{77777+7}{7+7} = \frac{88888+8}{8+8} = \frac{99999+9}{9+9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright \quad 7 &:= \frac{11+1+1+1}{1+1} = \frac{22+2+2+2}{2+2} = \frac{33+3+3+3}{3+3} = \frac{44+4+4+4}{4+4} = \frac{55+5+5+5}{5+5} = \frac{66+6+6+6}{6+6} = \frac{77+7+7+7}{7+7} \\
&:= \frac{88+8+8+8}{8+8} = \frac{99+9+9+9}{9+9} \\
57 &:= \frac{111+1+1+1}{1+1} = \frac{222+2+2+2}{2+2} = \frac{333+3+3+3}{3+3} = \frac{444+4+4+4}{4+4} = \frac{555+5+5+5}{5+5} = \frac{666+6+6+6}{6+6} = \frac{777+7+7+7}{7+7} \\
&:= \frac{888+8+8+8}{8+8} = \frac{999+9+9+9}{9+9} \\
557 &:= \frac{1111+1+1+1}{1+1} = \frac{2222+2+2+2}{2+2} = \frac{3333+3+3+3}{3+3} = \frac{4444+4+4+4}{4+4} = \frac{5555+5+5+5}{5+5} = \frac{6666+6+6+6}{6+6} = \frac{7777+7+7+7}{7+7}
\end{aligned}$$

$$\begin{aligned}
&:= \frac{8888+8+8+8}{8+8} = \frac{9999+9+9+9}{9+9} \\
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{5557} &:= \frac{11111+1+1+1}{1+1} = \frac{22222+2+2+2}{2+2} = \frac{33333+3+3+3}{3+3} = \frac{44444+4+4+4}{4+4} = \frac{55555+5+5+5}{5+5} = \frac{66666+6+6+6}{6+6} = \frac{77777+7+7+7}{7+7} \\
&:= \frac{88888+8+8+8}{8+8} = \frac{99999+9+9+9}{9+9} \\
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright \textcolor{red}{8} &:= \frac{11-1-1-1}{1} = \frac{22-2-2-2}{2} = \frac{33-3-3-3}{3} = \frac{44-4-4-4}{4} = \frac{55-5-5-5}{5} = \frac{66-6-6-6}{6} \\
&:= \frac{77-7-7-7}{7} = \frac{88-8-8-8}{8} = \frac{99-9-9-9}{9} \\
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{98} &:= \frac{111-11-1-1}{1} = \frac{222-22-2-2}{2} = \frac{333-33-3-3}{3} = \frac{444-44-4-4}{4} = \frac{555-55-5-5}{5} = \frac{666-66-6-6}{6} \\
&:= \frac{777-77-7-7}{7} = \frac{888-88-8-8}{8} = \frac{999-99-9-9}{9} \\
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{998} &:= \frac{1111-111-1-1}{1} = \frac{2222-222-2-2}{2} = \frac{3333-333-3-3}{3} = \frac{4444-444-4-4}{4} = \frac{5555-555-5-5}{5} = \frac{6666-666-6-6}{6} \\
&:= \frac{7777-777-7-7}{7} = \frac{8888-888-8-8}{8} = \frac{9999-999-9-9}{9} \\
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{9998} &:= \frac{11111-1111-1-1}{1} = \frac{22222-2222-2-2}{2} = \frac{33333-3333-3-3}{3} = \frac{44444-4444-4-4}{4} = \frac{55555-5555-5-5}{5} = \frac{66666-6666-6-6}{6} \\
&:= \frac{77777-7777-7-7}{7} = \frac{88888-8888-8-8}{8} = \frac{99999-9999-9-9}{9} \\
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright \textcolor{red}{9} &:= \frac{11-1-1}{1} = \frac{22-2-2}{2} = \frac{33-3-3}{3} = \frac{44-4-4}{4} = \frac{55-5-5}{5} = \frac{66-6-6}{6} = \frac{77-7-7}{7} \\
&:= \frac{88-8-8}{8} = \frac{99-9-9}{9} \\
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{99} &:= \frac{111-11-1}{1} = \frac{222-22-2}{2} = \frac{333-33-3}{3} = \frac{444-44-4}{4} = \frac{555-55-5}{5} = \frac{666-66-6}{6} = \frac{777-77-7}{7} \\
&:= \frac{888-88-8}{8} = \frac{999-99-9}{9} \\
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{999} &:= \frac{1111-111-1}{1} = \frac{2222-222-2}{2} = \frac{3333-333-3}{3} = \frac{4444-444-4}{4} = \frac{5555-555-5}{5} = \frac{6666-666-6}{6} = \frac{7777-777-7}{7} \\
&:= \frac{8888-888-8}{8} = \frac{9999-999-9}{9} \\
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{9999} &:= \frac{11111-1111-1}{1} = \frac{22222-2222-2}{2} = \frac{33333-3333-3}{3} = \frac{44444-4444-4}{4} = \frac{55555-5555-5}{5} = \frac{66666-6666-6}{6} = \frac{77777-7777-7}{7} \\
\end{aligned}$$

$$:= \frac{88888 - 8888 - 8}{8} = \frac{99999 - 9999 - 9}{9}$$

$$\blacktriangleright \quad \textcolor{red}{10} := \frac{11-1}{1} = \frac{22-2}{2} = \frac{33-3}{3} = \frac{44-4}{4} = \frac{55-5}{5} = \frac{66-6}{6} = \frac{77-7}{7} = \frac{88-8}{8} = \frac{99-9}{9}$$

$$\textcolor{red}{110} := \frac{111-1}{1} = \frac{222-2}{2} = \frac{333-3}{3} = \frac{444-4}{4} = \frac{555-5}{5} = \frac{666-6}{6} = \frac{777-7}{7} = \frac{888-8}{8} = \frac{999-9}{9}$$

$$\textcolor{red}{1110} := \frac{1111-1}{1} = \frac{2222-2}{2} = \frac{3333-3}{3} = \frac{4444-4}{4} = \frac{5555-5}{5} = \frac{6666-6}{6} = \frac{7777-7}{7} = \frac{8888-8}{8} = \frac{9999-9}{9}$$

$$\textcolor{red}{11110} := \frac{11111-1}{1} = \frac{22222-2}{2} = \frac{33333-3}{3} = \frac{44444-4}{4} = \frac{55555-5}{5} = \frac{66666-6}{6} = \frac{77777-7}{7} = \frac{88888-8}{8} = \frac{99999-9}{9}$$

$$\blacktriangleright \quad \textcolor{red}{11} := \frac{11}{1} = \frac{22}{2} = \frac{33}{3} = \frac{44}{4} = \frac{55}{5} = \frac{66}{6} = \frac{77}{7} = \frac{88}{8} = \frac{99}{9}$$

$$\textcolor{red}{111} := \frac{111}{1} = \frac{222}{2} = \frac{333}{3} = \frac{444}{4} = \frac{555}{5} = \frac{666}{6} = \frac{777}{7} = \frac{888}{8} = \frac{999}{9}$$

$$\textcolor{red}{1111} := \frac{1111}{1} = \frac{2222}{2} = \frac{3333}{3} = \frac{4444}{4} = \frac{5555}{5} = \frac{6666}{6} = \frac{7777}{7} = \frac{8888}{8} = \frac{9999}{9}$$

$$\textcolor{red}{11111} := \frac{11111}{1} = \frac{22222}{2} = \frac{33333}{3} = \frac{44444}{4} = \frac{55555}{5} = \frac{66666}{6} = \frac{77777}{7} = \frac{88888}{8} = \frac{99999}{9}$$

$$\blacktriangleright \quad \textcolor{red}{12} := \frac{11+1}{1} = \frac{22+2}{2} = \frac{33+3}{3} = \frac{44+4}{4} = \frac{55+5}{5} = \frac{66+6}{6} = \frac{77+7}{7} = \frac{88+8}{8} = \frac{99+9}{9}$$

$$\textcolor{red}{112} := \frac{111+1}{1} = \frac{222+2}{2} = \frac{333+3}{3} = \frac{444+4}{4} = \frac{555+5}{5} = \frac{666+6}{6} = \frac{777+7}{7} = \frac{888+8}{8} = \frac{999+9}{9}$$

$$\textcolor{red}{1112} := \frac{1111+1}{1} = \frac{2222+2}{2} = \frac{3333+3}{3} = \frac{4444+4}{4} = \frac{5555+5}{5} = \frac{6666+6}{6} = \frac{7777+7}{7} = \frac{8888+8}{8} = \frac{9999+9}{9}$$

$$\textcolor{red}{11112} := \frac{11111+1}{1} = \frac{22222+2}{2} = \frac{33333+3}{3} = \frac{44444+4}{4} = \frac{55555+5}{5} = \frac{66666+6}{6} = \frac{77777+7}{7} = \frac{88888+8}{8} = \frac{99999+9}{9}$$

$$\blacktriangleright \quad \textcolor{red}{13} := \frac{11+1+1}{1} = \frac{22+2+2}{2} = \frac{33+3+3}{3} = \frac{44+4+4}{4} = \frac{55+5+5}{5} = \frac{66+6+6}{6} = \frac{77+7+7}{7} = \frac{88+8+8}{8} = \frac{99+9+9}{9}$$

113

$$:= \frac{111+1+1}{1} = \frac{222+2+2}{2} = \frac{333+3+3}{3} = \frac{444+4+4}{4} = \frac{555+5+5}{5} = \frac{666+6+6}{6} = \frac{777+7+7}{7} = \frac{888+8+8}{8} = \frac{999+9+9}{9}$$

1113

$$:= \frac{1111+1+1}{1} = \frac{2222+2+2}{2} = \frac{3333+3+3}{3} = \frac{4444+4+4}{4} = \frac{5555+5+5}{5} = \frac{6666+6+6}{6} = \frac{7777+7+7}{7} = \frac{8888+8+8}{8} = \frac{9999+9+9}{9}$$

11113

$$:= \frac{11111+1+1}{1} = \frac{22222+2+2}{2} = \frac{33333+3+3}{3} = \frac{44444+4+4}{4} = \frac{55555+5+5}{5} = \frac{66666+6+6}{6} = \frac{77777+7+7}{7} = \frac{88888+8+8}{8} = \frac{99999+9+9}{9}$$

►

14

$$:= \frac{11+1+1+1}{1} = \frac{22+2+2+2}{2} = \frac{33+3+3+3}{3} = \frac{44+4+4+4}{4} = \frac{55+5+5+5}{5} = \frac{66+6+6+6}{6} = \frac{77+7+7+7}{7}$$
$$:= \frac{88+8+8+8}{8} = \frac{99+9+9+9}{9}$$

114

$$:= \frac{111+1+1+1}{1} = \frac{222+2+2+2}{2} = \frac{333+3+3+3}{3} = \frac{444+4+4+4}{4} = \frac{555+5+5+5}{5} = \frac{666+6+6+6}{6} = \frac{777+7+7+7}{7}$$
$$:= \frac{888+8+8+8}{8} = \frac{999+9+9+9}{9}$$

1114

$$:= \frac{1111+1+1+1}{1} = \frac{2222+2+2+2}{2} = \frac{3333+3+3+3}{3} = \frac{4444+4+4+4}{4} = \frac{5555+5+5+5}{5} = \frac{6666+6+6+6}{6} = \frac{7777+7+7+7}{7}$$
$$:= \frac{8888+8+8+8}{8} = \frac{9999+9+9+9}{9}$$

11114

$$:= \frac{11111+1+1+1}{1} = \frac{22222+2+2+2}{2} = \frac{33333+3+3+3}{3} = \frac{44444+4+4+4}{4} = \frac{55555+5+5+5}{5} = \frac{66666+6+6+6}{6} = \frac{77777+7+7+7}{7}$$
$$:= \frac{88888+8+8+8}{8} = \frac{99999+9+9+9}{9}$$

►

15

$$:= \frac{11+1+1+1+1}{1} = \frac{22+2+2+2+2}{2} = \frac{33+3+3+3+3}{3} = \frac{44+4+4+4+4}{4} = \frac{55+5+5+5+5}{5} = \frac{66+6+6+6+6}{6}$$
$$:= \frac{77+7+7+7+7}{7} = \frac{88+8+8+8+8}{8} = \frac{99+9+9+9+9}{9}$$

115

$$:= \frac{111+1+1+1+1}{1} = \frac{222+2+2+2+2}{2} = \frac{333+3+3+3+3}{3} = \frac{444+4+4+4+4}{4} = \frac{555+5+5+5+5}{5} = \frac{666+6+6+6+6}{6}$$
$$:= \frac{777+7+7+7+7}{7} = \frac{888+8+8+8+8}{8} = \frac{999+9+9+9+9}{9}$$

1115

$$:= \frac{1111+1+1+1+1}{1} = \frac{2222+2+2+2+2}{2} = \frac{3333+3+3+3+3}{3} = \frac{4444+4+4+4+4}{4} = \frac{5555+5+5+5+5}{5} = \frac{6666+6+6+6+6}{6}$$
$$:= \frac{7777+7+7+7+7}{7} = \frac{8888+8+8+8+8}{8} = \frac{9999+9+9+9+9}{9}$$

$$\begin{aligned}
 \textcolor{red}{11115} &:= \frac{11111+1+1+1+1}{1} = \frac{22222+2+2+2+2}{2} = \frac{33333+3+3+3+3}{3} = \frac{44444+4+4+4+4}{4} = \frac{55555+5+5+5+5}{5} = \frac{66666+6+6+6+6}{6} \\
 &:= \frac{77777+7+7+7+7}{7} = \frac{88888+8+8+8+8}{8} = \frac{99999+9+9+9+9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \quad \textcolor{red}{16} &:= \frac{11-1}{1+1} + \frac{11}{1} = \frac{22-2}{2+2} + \frac{22}{2} = \frac{33-3}{3+3} + \frac{33}{3} = \frac{44-4}{4+4} + \frac{44}{4} = \frac{55-5}{5+5} + \frac{55}{5} = \frac{66-6}{6+6} + \frac{66}{6} = \frac{77-7}{7+7} + \frac{77}{7} \\
 &:= \frac{88-8}{8+8} + \frac{88}{8} = \frac{99-9}{9+9} + \frac{99}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{116} &:= \frac{11-1}{1+1} + \frac{111}{1} = \frac{22-2}{2+2} + \frac{222}{2} = \frac{33-3}{3+3} + \frac{333}{3} = \frac{44-4}{4+4} + \frac{444}{4} = \frac{55-5}{5+5} + \frac{555}{5} = \frac{66-6}{6+6} + \frac{666}{6} = \frac{77-7}{7+7} + \frac{777}{7} \\
 &:= \frac{88-8}{8+8} + \frac{888}{8} = \frac{99-9}{9+9} + \frac{999}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{1116} &:= \frac{11-1}{1+1} + \frac{1111}{1} = \frac{22-2}{2+2} + \frac{2222}{2} = \frac{33-3}{3+3} + \frac{3333}{3} = \frac{44-4}{4+4} + \frac{4444}{4} = \frac{55-5}{5+5} + \frac{5555}{5} = \frac{66-6}{6+6} + \frac{6666}{6} = \frac{77-7}{7+7} + \frac{7777}{7} \\
 &:= \frac{88-8}{8+8} + \frac{8888}{8} = \frac{99-9}{9+9} + \frac{9999}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{11116} &:= \frac{11-1}{1+1} + \frac{11111}{1} = \frac{22-2}{2+2} + \frac{22222}{2} = \frac{33-3}{3+3} + \frac{33333}{3} = \frac{44-4}{4+4} + \frac{44444}{4} = \frac{55-5}{5+5} + \frac{55555}{5} = \frac{66-6}{6+6} + \frac{66666}{6} = \frac{77-7}{7+7} + \frac{77777}{7} \\
 &:= \frac{88-8}{8+8} + \frac{88888}{8} = \frac{99-9}{9+9} + \frac{99999}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \quad \textcolor{red}{17} &:= \frac{11+1}{1+1} + \frac{11}{1} = \frac{22+2}{2+2} + \frac{22}{2} = \frac{33+3}{3+3} + \frac{33}{3} = \frac{44+4}{4+4} + \frac{44}{4} = \frac{55+5}{5+5} + \frac{55}{5} = \frac{66+6}{6+6} + \frac{66}{6} = \frac{77+7}{7+7} + \frac{77}{7} \\
 &:= \frac{88+8}{8+8} + \frac{88}{8} = \frac{99+9}{9+9} + \frac{99}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{117} &:= \frac{11+1}{1+1} + \frac{111}{1} = \frac{22+2}{2+2} + \frac{222}{2} = \frac{33+3}{3+3} + \frac{333}{3} = \frac{44+4}{4+4} + \frac{444}{4} = \frac{55+5}{5+5} + \frac{555}{5} = \frac{66+6}{6+6} + \frac{666}{6} = \frac{77+7}{7+7} + \frac{777}{7} \\
 &:= \frac{88+8}{8+8} + \frac{888}{8} = \frac{99+9}{9+9} + \frac{999}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{1117} &:= \frac{11+1}{1+1} + \frac{1111}{1} = \frac{22+2}{2+2} + \frac{2222}{2} = \frac{33+3}{3+3} + \frac{3333}{3} = \frac{44+4}{4+4} + \frac{4444}{4} = \frac{55+5}{5+5} + \frac{5555}{5} = \frac{66+6}{6+6} + \frac{6666}{6} = \frac{77+7}{7+7} + \frac{7777}{7} \\
 &:= \frac{88+8}{8+8} + \frac{8888}{8} = \frac{99+9}{9+9} + \frac{9999}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{11117} &:= \frac{11+1}{1+1} + \frac{11111}{1} = \frac{22+2}{2+2} + \frac{22222}{2} = \frac{33+3}{3+3} + \frac{33333}{3} = \frac{44+4}{4+4} + \frac{44444}{4} = \frac{55+5}{5+5} + \frac{55555}{5} = \frac{66+6}{6+6} + \frac{66666}{6} = \frac{77+7}{7+7} + \frac{77777}{7} \\
 &:= \frac{88+8}{8+8} + \frac{88888}{8} = \frac{99+9}{9+9} + \frac{99999}{9}
 \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 18 &:= \frac{(11-1-1) \times (1+1)}{1 \times 1} = \frac{(22-2-2) \times (2+2)}{2 \times 2} = \frac{(33-3-3) \times (3+3)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (4+4)}{4 \times 4} = \frac{(55-5-5) \times (5+5)}{5 \times 5} = \frac{(66-6-6) \times (6+6)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (7+7)}{7 \times 7} = \frac{(88-8-8) \times (8+8)}{8 \times 8} = \frac{(99-9-9) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 198 &:= \frac{(11-1-1) \times (11+11)}{1 \times 1} = \frac{(22-2-2) \times (22+22)}{2 \times 2} = \frac{(33-3-3) \times (33+33)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (44+44)}{4 \times 4} = \frac{(55-5-5) \times (55+55)}{5 \times 5} = \frac{(66-6-6) \times (66+66)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (77+77)}{7 \times 7} = \frac{(88-8-8) \times (88+88)}{8 \times 8} = \frac{(99-9-9) \times (99+99)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 1998 &:= \frac{(11-1-1) \times (111+111)}{1 \times 1} = \frac{(22-2-2) \times (222+222)}{2 \times 2} = \frac{(33-3-3) \times (333+333)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (444+444)}{4 \times 4} = \frac{(55-5-5) \times (555+555)}{5 \times 5} = \frac{(66-6-6) \times (666+666)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (777+777)}{7 \times 7} = \frac{(88-8-8) \times (888+888)}{8 \times 8} = \frac{(99-9-9) \times (999+999)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 19998 &:= \frac{(11-1-1) \times (1111+1111)}{1 \times 1} = \frac{(22-2-2) \times (2222+2222)}{2 \times 2} = \frac{(33-3-3) \times (3333+3333)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (4444+4444)}{4 \times 4} = \frac{(55-5-5) \times (5555+5555)}{5 \times 5} = \frac{(66-6-6) \times (6666+6666)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (7777+7777)}{7 \times 7} = \frac{(88-8-8) \times (8888+8888)}{8 \times 8} = \frac{(99-9-9) \times (9999+9999)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 19 &:= \frac{11+11-1-1-1}{1} = \frac{22+22-2-2-2}{2} = \frac{33+33-3-3-3}{3} = \frac{44+44-4-4-4}{4} = \frac{55+55-5-5-5}{5} \\ &:= \frac{66+66-6-6-6}{6} = \frac{77+77-7-7-7}{7} = \frac{88+88-8-8-8}{8} = \frac{99+99-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 119 &:= \frac{111+11-1-1-1}{1} = \frac{222+22-2-2-2}{2} = \frac{333+33-3-3-3}{3} = \frac{444+44-4-4-4}{4} = \frac{555+55-5-5-5}{5} \\ &:= \frac{666+66-6-6-6}{6} = \frac{777+77-7-7-7}{7} = \frac{888+88-8-8-8}{8} = \frac{999+99-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 1119 &:= \frac{1111+11-1-1-1}{1} = \frac{2222+22-2-2-2}{2} = \frac{3333+33-3-3-3}{3} = \frac{4444+44-4-4-4}{4} = \frac{5555+55-5-5-5}{5} \\ &:= \frac{6666+66-6-6-6}{6} = \frac{7777+77-7-7-7}{7} = \frac{8888+88-8-8-8}{8} = \frac{9999+99-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 11119 &:= \frac{11111+11-1-1-1}{1} = \frac{22222+22-2-2-2}{2} = \frac{33333+33-3-3-3}{3} = \frac{44444+44-4-4-4}{4} = \frac{55555+55-5-5-5}{5} \\ &:= \frac{66666+66-6-6-6}{6} = \frac{77777+77-7-7-7}{7} = \frac{88888+88-8-8-8}{8} = \frac{99999+99-9-9-9}{9} \end{aligned}$$

$$\blacktriangleright \quad \mathbf{20} := \frac{11+11-1-1}{1} = \frac{22+22-2-2}{2} = \frac{33+33-3-3}{3} = \frac{44+44-4-4}{4} = \frac{55+55-5-5}{5} = \frac{66+66-6-6}{6} \\ := \frac{77+77-7-7}{7} = \frac{88+88-8-8}{8} = \frac{99+99-9-9}{9}$$

$$\mathbf{120} := \frac{111+11-1-1}{1} = \frac{222+22-2-2}{2} = \frac{333+33-3-3}{3} = \frac{444+44-4-4}{4} = \frac{555+55-5-5}{5} = \frac{666+66-6-6}{6} \\ := \frac{777+77-7-7}{7} = \frac{888+88-8-8}{8} = \frac{999+99-9-9}{9}$$

$$\mathbf{1120} := \frac{1111+11-1-1}{1} = \frac{2222+22-2-2}{2} = \frac{3333+33-3-3}{3} = \frac{4444+44-4-4}{4} = \frac{5555+55-5-5}{5} = \frac{6666+66-6-6}{6} \\ := \frac{7777+77-7-7}{7} = \frac{8888+88-8-8}{8} = \frac{9999+99-9-9}{9}$$

$$\mathbf{11120} := \frac{11111+11-1-1}{1} = \frac{22222+22-2-2}{2} = \frac{33333+33-3-3}{3} = \frac{44444+44-4-4}{4} = \frac{55555+55-5-5}{5} = \frac{66666+66-6-6}{6} \\ := \frac{77777+77-7-7}{7} = \frac{88888+88-8-8}{8} = \frac{99999+99-9-9}{9}$$

$$\blacktriangleright \quad \mathbf{21} := \frac{11+11-1}{1} = \frac{22+22-2}{2} = \frac{33+33-3}{3} = \frac{44+44-4}{4} = \frac{55+55-5}{5} = \frac{66+66-6}{6} = \frac{77+77-7}{7} \\ := \frac{88+88-8}{8} = \frac{99+99-9}{9}$$

$$\mathbf{121} := \frac{111+11-1}{1} = \frac{222+22-2}{2} = \frac{333+33-3}{3} = \frac{444+44-4}{4} = \frac{555+55-5}{5} = \frac{666+66-6}{6} = \frac{777+77-7}{7} \\ := \frac{888+88-8}{8} = \frac{999+99-9}{9}$$

$$\mathbf{1121} := \frac{1111+11-1}{1} = \frac{2222+22-2}{2} = \frac{3333+33-3}{3} = \frac{4444+44-4}{4} = \frac{5555+55-5}{5} = \frac{6666+66-6}{6} = \frac{7777+77-7}{7} \\ := \frac{8888+88-8}{8} = \frac{9999+99-9}{9}$$

$$\mathbf{11121} := \frac{11111+11-1}{1} = \frac{22222+22-2}{2} = \frac{33333+33-3}{3} = \frac{44444+44-4}{4} = \frac{55555+55-5}{5} = \frac{66666+66-6}{6} = \frac{77777+77-7}{7} \\ := \frac{88888+88-8}{8} = \frac{99999+99-9}{9}$$

$$\blacktriangleright \quad \mathbf{22} := \frac{11+11}{1} = \frac{22+22}{2} = \frac{33+33}{3} = \frac{44+44}{4} = \frac{55+55}{5} = \frac{66+66}{6} = \frac{77+77}{7} = \frac{88+88}{8} = \frac{99+99}{9}$$

$$\mathbf{122} := \frac{111+11}{1} = \frac{222+22}{2} = \frac{333+33}{3} = \frac{444+44}{4} = \frac{555+55}{5} = \frac{666+66}{6} = \frac{777+77}{7} = \frac{888+88}{8} = \frac{999+99}{9}$$

$$\mathbf{1222} := \frac{1111+111}{1} = \frac{2222+222}{2} = \frac{3333+333}{3} = \frac{4444+444}{4} = \frac{5555+555}{5} = \frac{6666+666}{6} = \frac{7777+777}{7} = \frac{8888+888}{8} = \frac{9999+999}{9}$$

$$\mathbf{12222} := \frac{11111+1111}{1} = \frac{22222+2222}{2} = \frac{33333+3333}{3} = \frac{44444+4444}{4} = \frac{55555+5555}{5} = \frac{66666+6666}{6} = \frac{77777+7777}{7} = \frac{88888+8888}{8} = \frac{99999+9999}{9}$$

►

$$\mathbf{23} := \frac{11+11+1}{1} = \frac{22+22+2}{2} = \frac{33+33+3}{3} = \frac{44+44+4}{4} = \frac{55+55+5}{5} = \frac{66+66+6}{6} = \frac{77+77+7}{7}$$
$$:= \frac{88+88+8}{8} = \frac{99+99+9}{9}$$

$$\mathbf{123} := \frac{111+11+1}{1} = \frac{222+22+2}{2} = \frac{333+33+3}{3} = \frac{444+44+4}{4} = \frac{555+55+5}{5} = \frac{666+66+6}{6} = \frac{777+77+7}{7}$$
$$:= \frac{888+88+8}{8} = \frac{999+99+9}{9}$$

$$\mathbf{1223} := \frac{1111+111+1}{1} = \frac{2222+222+2}{2} = \frac{3333+333+3}{3} = \frac{4444+444+4}{4} = \frac{5555+555+5}{5} = \frac{6666+666+6}{6} = \frac{7777+777+7}{7}$$
$$:= \frac{8888+888+8}{8} = \frac{9999+999+9}{9}$$

$$\mathbf{12223} := \frac{11111+1111+1}{1} = \frac{22222+2222+2}{2} = \frac{33333+3333+3}{3} = \frac{44444+4444+4}{4} = \frac{55555+5555+5}{5} = \frac{66666+6666+6}{6} = \frac{77777+7777+7}{7}$$
$$:= \frac{88888+8888+8}{8} = \frac{99999+9999+9}{9}$$

►

$$\mathbf{24} := \frac{11+11+1+1}{1} = \frac{22+22+2+2}{2} = \frac{33+33+3+3}{3} = \frac{44+44+4+4}{4} = \frac{55+55+5+5}{5} = \frac{66+66+6+6}{6}$$
$$:= \frac{77+77+7+7}{7} = \frac{88+88+8+8}{8} = \frac{99+99+9+9}{9}$$

$$\mathbf{124} := \frac{111+11+1+1}{1} = \frac{222+22+2+2}{2} = \frac{333+33+3+3}{3} = \frac{444+44+4+4}{4} = \frac{555+55+5+5}{5} = \frac{666+66+6+6}{6}$$
$$:= \frac{777+77+7+7}{7} = \frac{888+88+8+8}{8} = \frac{999+99+9+9}{9}$$

$$\mathbf{1124} := \frac{1111+11+1+1}{1} = \frac{2222+22+2+2}{2} = \frac{3333+33+3+3}{3} = \frac{4444+44+4+4}{4} = \frac{5555+55+5+5}{5} = \frac{6666+66+6+6}{6}$$
$$:= \frac{7777+77+7+7}{7} = \frac{8888+88+8+8}{8} = \frac{9999+99+9+9}{9}$$

$$\mathbf{11124} := \frac{11111+11+1+1}{1} = \frac{22222+22+2+2}{2} = \frac{33333+33+3+3}{3} = \frac{44444+44+4+4}{4} = \frac{55555+55+5+5}{5} = \frac{66666+66+6+6}{6}$$

$$:= \frac{77777 + 77 + 7 + 7}{7} = \frac{88888 + 88 + 8 + 8}{8} = \frac{99999 + 99 + 9 + 9}{9}$$

► **25** := $\frac{11 + 11 + 1 + 1 + 1}{1} = \frac{22 + 22 + 2 + 2 + 2}{2} = \frac{33 + 33 + 3 + 3 + 3}{3} = \frac{44 + 44 + 4 + 4 + 4}{4} = \frac{55 + 55 + 5 + 5 + 5}{5}$
 $:= \frac{66 + 66 + 6 + 6 + 6}{6} = \frac{77 + 77 + 7 + 7 + 7}{7} = \frac{88 + 88 + 8 + 8 + 8}{8} = \frac{99 + 99 + 9 + 9 + 9}{9}$

125 := $\frac{111 + 11 + 1 + 1 + 1}{1} = \frac{222 + 22 + 2 + 2 + 2}{2} = \frac{333 + 33 + 3 + 3 + 3}{3} = \frac{444 + 44 + 4 + 4 + 4}{4} = \frac{555 + 55 + 5 + 5 + 5}{5}$
 $:= \frac{666 + 66 + 6 + 6 + 6}{6} = \frac{777 + 77 + 7 + 7 + 7}{7} = \frac{888 + 88 + 8 + 8 + 8}{8} = \frac{999 + 99 + 9 + 9 + 9}{9}$

1125 := $\frac{1111 + 11 + 1 + 1 + 1}{1} = \frac{2222 + 22 + 2 + 2 + 2}{2} = \frac{3333 + 33 + 3 + 3 + 3}{3} = \frac{4444 + 44 + 4 + 4 + 4}{4} = \frac{5555 + 55 + 5 + 5 + 5}{5}$
 $:= \frac{6666 + 66 + 6 + 6 + 6}{6} = \frac{7777 + 77 + 7 + 7 + 7}{7} = \frac{8888 + 88 + 8 + 8 + 8}{8} = \frac{9999 + 99 + 9 + 9 + 9}{9}$

11125 := $\frac{11111 + 11 + 1 + 1 + 1}{1} = \frac{22222 + 22 + 2 + 2 + 2}{2} = \frac{33333 + 33 + 3 + 3 + 3}{3} = \frac{44444 + 44 + 4 + 4 + 4}{4} = \frac{55555 + 55 + 5 + 5 + 5}{5}$
 $:= \frac{66666 + 66 + 6 + 6 + 6}{6} = \frac{77777 + 77 + 7 + 7 + 7}{7} = \frac{88888 + 88 + 8 + 8 + 8}{8} = \frac{99999 + 99 + 9 + 9 + 9}{9}$

► **26** := $\frac{(11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33 + 3 + 3) \times (3 + 3)}{3 \times 3} = \frac{(44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55 + 5 + 5) \times (5 + 5)}{5 \times 5}$
 $:= \frac{(66 + 6 + 6) \times (6 + 6)}{6 \times 6} = \frac{(77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99 + 9 + 9) \times (9 + 9)}{9 \times 9}$

226 := $\frac{(111 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 3 + 3) \times (3 + 3)}{3 \times 3} = \frac{(444 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 5 + 5) \times (5 + 5)}{5 \times 5}$
 $:= \frac{(666 + 6 + 6) \times (6 + 6)}{6 \times 6} = \frac{(777 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 9 + 9) \times (9 + 9)}{9 \times 9}$

2226 := $\frac{(1111 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 3 + 3) \times (3 + 3)}{3 \times 3} = \frac{(4444 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 5 + 5) \times (5 + 5)}{5 \times 5}$
 $:= \frac{(6666 + 6 + 6) \times (6 + 6)}{6 \times 6} = \frac{(7777 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 9 + 9) \times (9 + 9)}{9 \times 9}$

22226 := $\frac{(11111 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 3 + 3) \times (3 + 3)}{3 \times 3} = \frac{(44444 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 5 + 5) \times (5 + 5)}{5 \times 5}$
 $:= \frac{(66666 + 6 + 6) \times (6 + 6)}{6 \times 6} = \frac{(77777 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 9 + 9) \times (9 + 9)}{9 \times 9}$

► **27** := $\frac{111 - 1 - 1 - 1}{1 + 1 + 1 + 1} = \frac{222 - 2 - 2 - 2}{2 + 2 + 2 + 2} = \frac{333 - 3 - 3 - 3}{3 + 3 + 3 + 3} = \frac{444 - 4 - 4 - 4}{4 + 4 + 4 + 4} = \frac{555 - 5 - 5 - 5}{5 + 5 + 5 + 5} = \frac{666 - 6 - 6 - 6}{6 + 6 + 6 + 6} = \frac{777 - 7 - 7 - 7}{7 + 7 + 7 + 7}$

$$:= \frac{888-8-8-8}{8+8+8+8} = \frac{999-9-9-9}{9+9+9+9}$$

$$\begin{aligned} \mathbf{277} &:= \frac{1111-1-1-1}{1+1+1+1} = \frac{2222-2-2-2}{2+2+2+2} = \frac{3333-3-3-3}{3+3+3+3} = \frac{4444-4-4-4}{4+4+4+4} = \frac{5555-5-5-5}{5+5+5+5} = \frac{6666-6-6-6}{6+6+6+6} = \frac{7777-7-7-7}{7+7+7+7} \\ &:= \frac{8888-8-8-8}{8+8+8+8} = \frac{9999-9-9-9}{9+9+9+9} \end{aligned}$$

$$\begin{aligned} \mathbf{2777} &:= \frac{11111-1-1-1}{1+1+1+1} = \frac{22222-2-2-2}{2+2+2+2} = \frac{33333-3-3-3}{3+3+3+3} = \frac{44444-4-4-4}{4+4+4+4} = \frac{55555-5-5-5}{5+5+5+5} = \frac{66666-6-6-6}{6+6+6+6} = \frac{77777-7-7-7}{7+7+7+7} \\ &:= \frac{88888-8-8-8}{8+8+8+8} = \frac{99999-9-9-9}{9+9+9+9} \end{aligned}$$

$$\begin{aligned} \mathbf{27777} &:= \frac{111111-1-1-1}{1+1+1+1} = \frac{222222-2-2-2}{2+2+2+2} = \frac{333333-3-3-3}{3+3+3+3} = \frac{444444-4-4-4}{4+4+4+4} = \frac{555555-5-5-5}{5+5+5+5} = \frac{666666-6-6-6}{6+6+6+6} = \frac{777777-7-7-7}{7+7+7+7} \\ &:= \frac{888888-8-8-8}{8+8+8+8} = \frac{999999-9-9-9}{9+9+9+9} \end{aligned}$$

$$\blacktriangleright \quad \mathbf{28} := \frac{111+1}{1+1+1+1} = \frac{222+2}{2+2+2+2} = \frac{333+3}{3+3+3+3} = \frac{444+4}{4+4+4+4} = \frac{555+5}{5+5+5+5} = \frac{666+6}{6+6+6+6} = \frac{777+7}{7+7+7+7} = \frac{888+8}{8+8+8+8} = \frac{999+9}{9+9+9+9}$$

$$\mathbf{228} := \frac{1111+1}{1+1+1+1} = \frac{2222+2}{2+2+2+2} = \frac{3333+3}{3+3+3+3} = \frac{4444+4}{4+4+4+4} = \frac{5555+5}{5+5+5+5} = \frac{6666+6}{6+6+6+6} = \frac{7777+7}{7+7+7+7} = \frac{8888+8}{8+8+8+8} = \frac{9999+9}{9+9+9+9}$$

$$\mathbf{2778} := \frac{11111+1}{1+1+1+1} = \frac{22222+2}{2+2+2+2} = \frac{33333+3}{3+3+3+3} = \frac{44444+4}{4+4+4+4} = \frac{55555+5}{5+5+5+5} = \frac{66666+6}{6+6+6+6} = \frac{77777+7}{7+7+7+7} = \frac{88888+8}{8+8+8+8} = \frac{99999+9}{9+9+9+9}$$

$$\mathbf{27778} := \frac{111111+1}{1+1+1+1} = \frac{222222+2}{2+2+2+2} = \frac{333333+3}{3+3+3+3} = \frac{444444+4}{4+4+4+4} = \frac{555555+5}{5+5+5+5} = \frac{666666+6}{6+6+6+6} = \frac{777777+7}{7+7+7+7} = \frac{888888+8}{8+8+8+8} = \frac{999999+9}{9+9+9+9}$$

$$\begin{aligned} \blacktriangleright \quad \mathbf{29} &:= \frac{11+11+11-1-1-1-1}{1} = \frac{22+22+22-2-2-2-2}{2} = \frac{33+33+33-3-3-3-3}{3} \\ &:= \frac{44+44+44-4-4-4-4}{4} = \frac{55+55+55-5-5-5-5}{5} = \frac{66+66+66-6-6-6-6}{6} \\ &:= \frac{77+77+77-7-7-7-7}{7} = \frac{88+88+88-8-8-8-8}{8} = \frac{99+99+99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{129} &:= \frac{11+11+111-1-1-1-1}{1} = \frac{22+22+222-2-2-2-2}{2} = \frac{33+33+333-3-3-3-3}{3} \\ &:= \frac{44+44+444-4-4-4-4}{4} = \frac{55+55+555-5-5-5-5}{5} = \frac{66+66+666-6-6-6-6}{6} \\ &:= \frac{77+77+777-7-7-7-7}{7} = \frac{88+88+888-8-8-8-8}{8} = \frac{99+99+999-9-9-9-9}{9} \end{aligned}$$

$$\mathbf{1129} := \frac{11+11+1111-1-1-1-1}{1} = \frac{22+22+2222-2-2-2-2}{2} = \frac{33+33+3333-3-3-3-3}{3}$$

$$:= \frac{44+44+4444-4-4-4-4}{4} = \frac{55+55+5555-5-5-5-5}{5} = \frac{66+66+6666-6-6-6-6}{6}$$

$$:= \frac{77+77+7777-7-7-7-7}{7} = \frac{88+88+8888-8-8-8-8}{8} = \frac{99+99+9999-9-9-9-9}{9}$$

$$\mathbf{11129} := \frac{11+11+11111-1-1-1-1}{1} = \frac{22+22+22222-2-2-2-2}{2} = \frac{33+33+33333-3-3-3-3}{3}$$

$$:= \frac{44+44+44444-4-4-4-4}{4} = \frac{55+55+55555-5-5-5-5}{5} = \frac{66+66+66666-6-6-6-6}{6}$$

$$:= \frac{77+77+77777-7-7-7-7}{7} = \frac{88+88+88888-8-8-8-8}{8} = \frac{99+99+99999-9-9-9-9}{9}$$

$$\blacktriangleright \mathbf{30} := \frac{11+11+11-1-1-1}{1} = \frac{22+22+22-2-2-2}{2} = \frac{33+33+33-3-3-3}{3}$$

$$:= \frac{44+44+44-4-4-4}{4} = \frac{55+55+55-5-5-5}{5} = \frac{66+66+66-6-6-6}{6}$$

$$:= \frac{77+77+77-7-7-7}{7} = \frac{88+88+88-8-8-8}{8} = \frac{99+99+99-9-9-9}{9}$$

$$\mathbf{130} := \frac{11+11+111-1-1-1}{1} = \frac{22+22+222-2-2-2}{2} = \frac{33+33+333-3-3-3}{3}$$

$$:= \frac{44+44+444-4-4-4}{4} = \frac{55+55+555-5-5-5}{5} = \frac{66+66+666-6-6-6}{6}$$

$$:= \frac{77+77+777-7-7-7}{7} = \frac{88+88+888-8-8-8}{8} = \frac{99+99+999-9-9-9}{9}$$

$$\mathbf{1130} := \frac{11+11+1111-1-1-1}{1} = \frac{22+22+2222-2-2-2}{2} = \frac{33+33+3333-3-3-3}{3}$$

$$:= \frac{44+44+4444-4-4-4}{4} = \frac{55+55+5555-5-5-5}{5} = \frac{66+66+6666-6-6-6}{6}$$

$$:= \frac{77+77+7777-7-7-7}{7} = \frac{88+88+8888-8-8-8}{8} = \frac{99+99+9999-9-9-9}{9}$$

$$\mathbf{11130} := \frac{11+11+11111-1-1-1}{1} = \frac{22+22+22222-2-2-2}{2} = \frac{33+33+33333-3-3-3}{3}$$

$$:= \frac{44+44+44444-4-4-4}{4} = \frac{55+55+55555-5-5-5}{5} = \frac{66+66+66666-6-6-6}{6}$$

$$:= \frac{77+77+77777-7-7-7}{7} = \frac{88+88+88888-8-8-8}{8} = \frac{99+99+99999-9-9-9}{9}$$

$$\blacktriangleright \mathbf{31} := \frac{11+11+11-1-1}{1} = \frac{22+22+22-2-2}{2} = \frac{33+33+33-3-3}{3} = \frac{44+44+44-4-4}{4} = \frac{55+55+55-5-5}{5}$$

$$:= \frac{66+66+66-6-6}{6} = \frac{77+77+77-7-7}{7} = \frac{88+88+88-8-8}{8} = \frac{99+99+99-9-9}{9}$$

$$\mathbf{131} := \frac{11+11+111-1-1}{1} = \frac{22+22+222-2-2}{2} = \frac{33+33+333-3-3}{3} = \frac{44+44+444-4-4}{4} = \frac{55+55+555-5-5}{5}$$

$$:= \frac{66+66+666-6-6}{6} = \frac{77+77+777-7-7}{7} = \frac{88+88+888-8-8}{8} = \frac{99+99+999-9-9}{9}$$

1131

$$:= \frac{11+11+1111-1-1}{1} = \frac{22+22+2222-2-2}{2} = \frac{33+33+3333-3-3}{3} = \frac{44+44+4444-4-4}{4} = \frac{55+55+5555-5-5}{5}$$
$$:= \frac{66+66+6666-6-6}{6} = \frac{77+77+7777-7-7}{7} = \frac{88+88+8888-8-8}{8} = \frac{99+99+9999-9-9}{9}$$

11131

$$:= \frac{11+11+11111-1-1}{1} = \frac{22+22+22222-2-2}{2} = \frac{33+33+33333-3-3}{3} = \frac{44+44+44444-4-4}{4} = \frac{55+55+55555-5-5}{5}$$
$$:= \frac{66+66+66666-6-6}{6} = \frac{77+77+77777-7-7}{7} = \frac{88+88+88888-8-8}{8} = \frac{99+99+99999-9-9}{9}$$

► 32

$$:= \frac{11+11+11-1}{1} = \frac{22+22+22-2}{2} = \frac{33+33+33-3}{3} = \frac{44+44+44-4}{4} = \frac{55+55+55-5}{5} = \frac{66+66+66-6}{6}$$
$$:= \frac{77+77+77-7}{7} = \frac{88+88+88-8}{8} = \frac{99+99+99-9}{9}$$

132

$$:= \frac{11+11+111-1}{1} = \frac{22+22+222-2}{2} = \frac{33+33+333-3}{3} = \frac{44+44+444-4}{4} = \frac{55+55+555-5}{5} = \frac{66+66+666-6}{6}$$
$$:= \frac{77+77+777-7}{7} = \frac{88+88+888-8}{8} = \frac{99+99+999-9}{9}$$

1132

$$:= \frac{11+11+1111-1}{1} = \frac{22+22+2222-2}{2} = \frac{33+33+3333-3}{3} = \frac{44+44+4444-4}{4} = \frac{55+55+5555-5}{5} = \frac{66+66+6666-6}{6}$$
$$:= \frac{77+77+7777-7}{7} = \frac{88+88+8888-8}{8} = \frac{99+99+9999-9}{9}$$

11132

$$:= \frac{11+11+11111-1}{1} = \frac{22+22+22222-2}{2} = \frac{33+33+33333-3}{3} = \frac{44+44+44444-4}{4} = \frac{55+55+55555-5}{5} = \frac{66+66+66666-6}{6}$$
$$:= \frac{77+77+77777-7}{7} = \frac{88+88+88888-8}{8} = \frac{99+99+99999-9}{9}$$

► 33

$$:= \frac{11+11+11}{1} = \frac{22+22+22}{2} = \frac{33+33+33}{3} = \frac{44+44+44}{4} = \frac{55+55+55}{5} = \frac{66+66+66}{6} = \frac{77+77+77}{7}$$
$$:= \frac{88+88+88}{8} = \frac{99+99+99}{9}$$

133

$$:= \frac{11+11+111}{1} = \frac{22+22+222}{2} = \frac{33+33+333}{3} = \frac{44+44+444}{4} = \frac{55+55+555}{5} = \frac{66+66+666}{6} = \frac{77+77+777}{7}$$
$$:= \frac{88+88+888}{8} = \frac{99+99+999}{9}$$

1133

$$:= \frac{11+11+1111}{1} = \frac{22+22+2222}{2} = \frac{33+33+3333}{3} = \frac{44+44+4444}{4} = \frac{55+55+5555}{5} = \frac{66+66+6666}{6} = \frac{77+77+7777}{7}$$

$$:= \frac{88+88+8888}{8} = \frac{99+99+9999}{9}$$

$$\textcolor{red}{11133}:= \frac{11+11+11111}{1} = \frac{22+22+22222}{2} = \frac{33+33+33333}{3} = \frac{44+44+44444}{4} = \frac{55+55+55555}{5} = \frac{66+66+66666}{6} = \frac{77+77+77777}{7}$$

$$:= \frac{88+88+88888}{8} = \frac{99+99+99999}{9}$$

$$\blacktriangleright \textcolor{red}{34}:= \frac{11+11+11+1}{1} = \frac{22+22+22+2}{2} = \frac{33+33+33+3}{3} = \frac{44+44+44+4}{4} = \frac{55+55+55+5}{5} = \frac{66+66+66+6}{6}$$

$$:= \frac{77+77+77+7}{7} = \frac{88+88+88+8}{8} = \frac{99+99+99+9}{9}$$

$$\textcolor{red}{134}:= \frac{11+11+111+1}{1} = \frac{22+22+222+2}{2} = \frac{33+33+333+3}{3} = \frac{44+44+444+4}{4} = \frac{55+55+555+5}{5} = \frac{66+66+666+6}{6}$$

$$:= \frac{77+77+777+7}{7} = \frac{88+88+888+8}{8} = \frac{99+99+999+9}{9}$$

$$\textcolor{red}{1134}:= \frac{11+11+1111+1}{1} = \frac{22+22+2222+2}{2} = \frac{33+33+3333+3}{3} = \frac{44+44+4444+4}{4} = \frac{55+55+5555+5}{5} = \frac{66+66+6666+6}{6}$$

$$:= \frac{77+77+7777+7}{7} = \frac{88+88+8888+8}{8} = \frac{99+99+9999+9}{9}$$

$$\textcolor{red}{11134}:= \frac{11+11+11111+1}{1} = \frac{22+22+22222+2}{2} = \frac{33+33+33333+3}{3} = \frac{44+44+44444+4}{4} = \frac{55+55+55555+5}{5} = \frac{66+66+66666+6}{6}$$

$$:= \frac{77+77+77777+7}{7} = \frac{88+88+88888+8}{8} = \frac{99+99+99999+9}{9}$$

$$\blacktriangleright \textcolor{red}{35}:= \frac{11+11+11+1+1}{1} = \frac{22+22+22+2+2}{2} = \frac{33+33+33+3+3}{3} = \frac{44+44+44+4+4}{4} = \frac{55+55+55+5+5}{5}$$

$$:= \frac{66+66+66+6+6}{6} = \frac{77+77+77+7+7}{7} = \frac{88+88+88+8+8}{8} = \frac{99+99+99+9+9}{9}$$

$$\textcolor{red}{135}:= \frac{11+11+111+1+1}{1} = \frac{22+22+222+2+2}{2} = \frac{33+33+333+3+3}{3} = \frac{44+44+444+4+4}{4} = \frac{55+55+555+5+5}{5}$$

$$:= \frac{66+66+666+6+6}{6} = \frac{77+77+777+7+7}{7} = \frac{88+88+888+8+8}{8} = \frac{99+99+999+9+9}{9}$$

$$\textcolor{red}{1135}:= \frac{11+11+1111+1+1}{1} = \frac{22+22+2222+2+2}{2} = \frac{33+33+3333+3+3}{3} = \frac{44+44+4444+4+4}{4} = \frac{55+55+5555+5+5}{5}$$

$$:= \frac{66+66+6666+6+6}{6} = \frac{77+77+7777+7+7}{7} = \frac{88+88+8888+8+8}{8} = \frac{99+99+9999+9+9}{9}$$

$$\textcolor{red}{11135}:= \frac{11+11+11111+1+1}{1} = \frac{22+22+22222+2+2}{2} = \frac{33+33+33333+3+3}{3} = \frac{44+44+44444+4+4}{4} = \frac{55+55+55555+5+5}{5}$$

$$:= \frac{66+66+66666+6+6}{6} = \frac{77+77+77777+7+7}{7} = \frac{88+88+88888+8+8}{8} = \frac{99+99+99999+9+9}{9}$$

►

$$\textcolor{red}{36}:= \frac{11+11+11+1+1+1}{1} = \frac{22+22+22+2+2+2}{2} = \frac{33+33+33+3+3+3}{3} = \frac{44+44+44+4+4+4}{4} = \frac{55+55+55+5+5+5}{5}$$

$$:= \frac{66+66+66+6+6+6}{6} = \frac{77+77+77+7+7+7}{7} = \frac{88+88+88+8+8+8}{8} = \frac{99+99+99+9+9+9}{9}$$

$$\textcolor{red}{136}:= \frac{11+11+111+1+1+1}{1} = \frac{22+22+222+2+2+2}{2} = \frac{33+33+333+3+3+3}{3} = \frac{44+44+444+4+4+4}{4} = \frac{55+55+555+5+5+5}{5}$$

$$:= \frac{66+66+666+6+6+6}{6} = \frac{77+77+777+7+7+7}{7} = \frac{88+88+888+8+8+8}{8} = \frac{99+99+999+9+9+9}{9}$$

$$\textcolor{red}{1136}:= \frac{11+11+1111+1+1+1}{1} = \frac{22+22+2222+2+2+2}{2} = \frac{33+33+3333+3+3+3}{3} = \frac{44+44+4444+4+4+4}{4} = \frac{55+55+5555+5+5+5}{5}$$

$$:= \frac{66+66+6666+6+6+6}{6} = \frac{77+77+7777+7+7+7}{7} = \frac{88+88+8888+8+8+8}{8} = \frac{99+99+9999+9+9+9}{9}$$

$$\textcolor{red}{11136}:= \frac{11+11+11111+1+1+1}{1} = \frac{22+22+22222+2+2+2}{2} = \frac{33+33+33333+3+3+3}{3} = \frac{44+44+44444+4+4+4}{4} = \frac{55+55+55555+5+5+5}{5}$$

$$:= \frac{66+66+66666+6+6+6}{6} = \frac{77+77+77777+7+7+7}{7} = \frac{88+88+88888+8+8+8}{8} = \frac{99+99+99999+9+9+9}{9}$$

►

$$\textcolor{red}{37}:= \frac{111}{1+1+1} = \frac{222}{2+2+2} = \frac{333}{3+3+3} = \frac{444}{4+4+4} = \frac{555}{5+5+5} = \frac{666}{6+6+6} = \frac{777}{7+7+7} = \frac{888}{8+8+8} = \frac{999}{9+9+9}$$

$$\textcolor{red}{370}:= \frac{1111-1}{1+1+1} = \frac{2222-2}{2+2+2} = \frac{3333-3}{3+3+3} = \frac{4444-4}{4+4+4} = \frac{5555-5}{5+5+5} = \frac{6666-6}{6+6+6} = \frac{7777-7}{7+7+7} = \frac{8888-8}{8+8+8} = \frac{9999-9}{9+9+9}$$

$$\textcolor{red}{3700}:= \frac{11111-11}{1+1+1} = \frac{22222-22}{2+2+2} = \frac{33333-33}{3+3+3} = \frac{44444-44}{4+4+4} = \frac{55555-55}{5+5+5} = \frac{66666-66}{6+6+6} = \frac{77777-77}{7+7+7} = \frac{88888-88}{8+8+8} = \frac{99999-99}{9+9+9}$$

$$\textcolor{red}{37000}:= \frac{111111-111}{1+1+1} = \frac{222222-222}{2+2+2} = \frac{333333-333}{3+3+3} = \frac{444444-444}{4+4+4} = \frac{555555-555}{5+5+5} = \frac{666666-666}{6+6+6} = \frac{777777-777}{7+7+7} = \frac{888888-888}{8+8+8} = \frac{999999-999}{9+9+9}$$

►

$$\textcolor{red}{38}:= \frac{111-11-11-11-1-1}{1+1} = \frac{222-22-22-22-2-2}{2+2} = \frac{333-33-33-33-3-3}{3+3}$$

$$:= \frac{444-44-44-44-4-4}{4+4} = \frac{555-55-55-55-5-5}{5+5} = \frac{666-66-66-66-6-6}{6+6}$$

$$:= \frac{777-77-77-77-7-7}{7+7} = \frac{888-88-88-88-8-8}{8+8} = \frac{999-99-99-99-9-9}{9+9}$$

$$\textcolor{red}{538}:= \frac{1111-11-11-11-1-1}{1+1} = \frac{2222-22-22-22-2-2}{2+2} = \frac{3333-33-33-33-3-3}{3+3}$$

$$\begin{aligned} &:= \frac{4444 - 44 - 44 - 44 - 4 - 4}{4 + 4} = \frac{5555 - 55 - 55 - 55 - 5 - 5}{5 + 5} = \frac{6666 - 66 - 66 - 66 - 6 - 6}{6 + 6} \\ &:= \frac{7777 - 77 - 77 - 77 - 7 - 7}{7 + 7} = \frac{8888 - 88 - 88 - 88 - 8 - 8}{8 + 8} = \frac{9999 - 99 - 99 - 99 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{5538} &:= \frac{11111 - 11 - 11 - 11 - 1 - 1}{1 + 1} = \frac{22222 - 22 - 22 - 22 - 2 - 2}{2 + 2} = \frac{33333 - 33 - 33 - 33 - 3 - 3}{3 + 3} \\ &:= \frac{44444 - 44 - 44 - 44 - 4 - 4}{4 + 4} = \frac{55555 - 55 - 55 - 55 - 5 - 5}{5 + 5} = \frac{66666 - 66 - 66 - 66 - 6 - 6}{6 + 6} \\ &:= \frac{77777 - 77 - 77 - 77 - 7 - 7}{7 + 7} = \frac{88888 - 88 - 88 - 88 - 8 - 8}{8 + 8} = \frac{99999 - 99 - 99 - 99 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{55538} &:= \frac{111111 - 11 - 11 - 11 - 1 - 1}{1 + 1} = \frac{222222 - 22 - 22 - 22 - 2 - 2}{2 + 2} = \frac{333333 - 33 - 33 - 33 - 3 - 3}{3 + 3} \\ &:= \frac{444444 - 44 - 44 - 44 - 4 - 4}{4 + 4} = \frac{555555 - 55 - 55 - 55 - 5 - 5}{5 + 5} = \frac{666666 - 66 - 66 - 66 - 6 - 6}{6 + 6} \\ &:= \frac{777777 - 77 - 77 - 77 - 7 - 7}{7 + 7} = \frac{888888 - 88 - 88 - 88 - 8 - 8}{8 + 8} = \frac{999999 - 99 - 99 - 99 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{39} &:= \frac{111 - 11 - 11 - 11}{1 + 1} = \frac{222 - 22 - 22 - 22}{2 + 2} = \frac{333 - 33 - 33 - 33}{3 + 3} = \frac{444 - 44 - 44 - 44}{4 + 4} = \frac{555 - 55 - 55 - 55}{5 + 5} \\ &:= \frac{666 - 66 - 66 - 66}{6 + 6} = \frac{777 - 77 - 77 - 77}{7 + 7} = \frac{888 - 88 - 88 - 88}{8 + 8} = \frac{999 - 99 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{539} &:= \frac{1111 - 11 - 11 - 11}{1 + 1} = \frac{2222 - 22 - 22 - 22}{2 + 2} = \frac{3333 - 33 - 33 - 33}{3 + 3} = \frac{4444 - 44 - 44 - 44}{4 + 4} = \frac{5555 - 55 - 55 - 55}{5 + 5} \\ &:= \frac{6666 - 66 - 66 - 66}{6 + 6} = \frac{7777 - 77 - 77 - 77}{7 + 7} = \frac{8888 - 88 - 88 - 88}{8 + 8} = \frac{9999 - 99 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{5539} &:= \frac{11111 - 11 - 11 - 11}{1 + 1} = \frac{22222 - 22 - 22 - 22}{2 + 2} = \frac{33333 - 33 - 33 - 33}{3 + 3} = \frac{44444 - 44 - 44 - 44}{4 + 4} = \frac{55555 - 55 - 55 - 55}{5 + 5} \\ &:= \frac{66666 - 66 - 66 - 66}{6 + 6} = \frac{77777 - 77 - 77 - 77}{7 + 7} = \frac{88888 - 88 - 88 - 88}{8 + 8} = \frac{99999 - 99 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{55539} &:= \frac{111111 - 11 - 11 - 11}{1 + 1} = \frac{222222 - 22 - 22 - 22}{2 + 2} = \frac{333333 - 33 - 33 - 33}{3 + 3} = \frac{444444 - 44 - 44 - 44}{4 + 4} = \frac{555555 - 55 - 55 - 55}{5 + 5} \\ &:= \frac{666666 - 66 - 66 - 66}{6 + 6} = \frac{777777 - 77 - 77 - 77}{7 + 7} = \frac{888888 - 88 - 88 - 88}{8 + 8} = \frac{999999 - 99 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{40} &:= \frac{(1 + 1 + 1 + 1) \times (11 - 1)}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times (22 - 2)}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times (44 - 4)}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times (55 - 5)}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times (77 - 7)}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times (88 - 8)}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{440} &:= \frac{(1+1+1+1) \times (111-1)}{1 \times 1} = \frac{(2+2+2+2) \times (222-2)}{2 \times 2} = \frac{(3+3+3+3) \times (333-3)}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times (444-4)}{4 \times 4} = \frac{(5+5+5+5) \times (555-5)}{5 \times 5} = \frac{(6+6+6+6) \times (666-6)}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times (777-7)}{7 \times 7} = \frac{(8+8+8+8) \times (888-8)}{8 \times 8} = \frac{(9+9+9+9) \times (999-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{4440} &:= \frac{(1+1+1+1) \times (1111-1)}{1 \times 1} = \frac{(2+2+2+2) \times (2222-2)}{2 \times 2} = \frac{(3+3+3+3) \times (3333-3)}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times (4444-4)}{4 \times 4} = \frac{(5+5+5+5) \times (5555-5)}{5 \times 5} = \frac{(6+6+6+6) \times (666-6)}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times (7777-7)}{7 \times 7} = \frac{(8+8+8+8) \times (8888-8)}{8 \times 8} = \frac{(9+9+9+9) \times (9999-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{44440} &:= \frac{(1+1+1+1) \times (11111-1)}{1 \times 1} = \frac{(2+2+2+2) \times (22222-2)}{2 \times 2} = \frac{(3+3+3+3) \times (33333-3)}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times (44444-4)}{4 \times 4} = \frac{(5+5+5+5) \times (55555-5)}{5 \times 5} = \frac{(6+6+6+6) \times (66666-6)}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times (77777-7)}{7 \times 7} = \frac{(8+8+8+8) \times (88888-8)}{8 \times 8} = \frac{(9+9+9+9) \times (99999-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{41} &:= \frac{111+11+1}{1+1+1} = \frac{222+22+2}{2+2+2} = \frac{333+33+3}{3+3+3} = \frac{444+44+4}{4+4+4} = \frac{555+55+5}{5+5+5} \\ &:= \frac{666+66+6}{6+6+6} = \frac{777+77+7}{7+7+7} = \frac{888+88+8}{8+8+8} = \frac{999+99+9}{9+9+9} \end{aligned}$$

$$\begin{aligned} \mathbf{411} &:= \frac{1111+111+11}{1+1+1} = \frac{2222+222+22}{2+2+2} = \frac{3333+333+33}{3+3+3} = \frac{4444+444+44}{4+4+4} = \frac{5555+555+55}{5+5+5} \\ &:= \frac{6666+666+66}{6+6+6} = \frac{7777+777+77}{7+7+7} = \frac{8888+888+88}{8+8+8} = \frac{9999+999+99}{9+9+9} \end{aligned}$$

$$\begin{aligned} \mathbf{4111} &:= \frac{11111+1111+111}{1+1+1} = \frac{22222+2222+222}{2+2+2} = \frac{33333+3333+333}{3+3+3} = \frac{44444+4444+444}{4+4+4} = \frac{55555+5555+555}{5+5+5} \\ &:= \frac{66666+6666+666}{6+6+6} = \frac{77777+7777+777}{7+7+7} = \frac{88888+8888+888}{8+8+8} = \frac{99999+9999+999}{9+9+9} \end{aligned}$$

$$\begin{aligned} \mathbf{41111} &:= \frac{111111+11111+1111}{1+1+1} = \frac{222222+22222+2222}{2+2+2} = \frac{333333+33333+3333}{3+3+3} = \frac{444444+44444+4444}{4+4+4} = \frac{555555+55555+5555}{5+5+5} \\ &:= \frac{666666+66666+6666}{6+6+6} = \frac{777777+77777+7777}{7+7+7} = \frac{888888+88888+8888}{8+8+8} = \frac{999999+99999+9999}{9+9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{42} &:= \frac{(11+11-1) \times (1+1)}{1 \times 1} = \frac{(22+22-2) \times (2+2)}{2 \times 2} = \frac{(33+33-3) \times (3+3)}{3 \times 3} = \frac{(44+44-4) \times (4+4)}{4 \times 4} = \frac{(55+55-5) \times (5+5)}{5 \times 5} \\ &:= \frac{(66+66-6) \times (6+6)}{6 \times 6} = \frac{(77+77-7) \times (7+7)}{7 \times 7} = \frac{(88+88-8) \times (8+8)}{8 \times 8} = \frac{(99+99-9) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{242} &:= \frac{(111 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 33 - 3) \times (3 + 3)}{3 \times 3} = \frac{(444 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 55 - 5) \times (5 + 5)}{5 \times 5} \\ &:= \frac{(666 + 66 - 6) \times (6 + 6)}{6 \times 6} = \frac{(777 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2242} &:= \frac{(1111 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 33 - 3) \times (3 + 3)}{3 \times 3} = \frac{(4444 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 55 - 5) \times (5 + 5)}{5 \times 5} \\ &:= \frac{(6666 + 66 - 6) \times (6 + 6)}{6 \times 6} = \frac{(7777 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22242} &:= \frac{(11111 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33 - 3) \times (3 + 3)}{3 \times 3} = \frac{(44444 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55 - 5) \times (5 + 5)}{5 \times 5} \\ &:= \frac{(66666 + 66 - 6) \times (6 + 6)}{6 \times 6} = \frac{(77777 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{43} &:= \frac{(1 + 1 + 1 + 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{443} &:= \frac{(1 + 1 + 1 + 1) \times 111 - 1 \times 1}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 222 - 2 \times 2}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times 444 - 4 \times 4}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times 555 - 5 \times 5}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times 666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times 777 - 7 \times 7}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times 888 - 8 \times 8}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times 999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{4443} &:= \frac{(1 + 1 + 1 + 1) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{44443} &:= \frac{(1 + 1 + 1 + 1) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 33333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{44} := \frac{(1 + 1 + 1 + 1) \times 11}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 22}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 33}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(4+4+4+4) \times 44}{4 \times 4} = \frac{(5+5+5+5) \times 55}{5 \times 5} = \frac{(6+6+6+6) \times 66}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 77}{7 \times 7} = \frac{(8+8+8+8) \times 88}{8 \times 8} = \frac{(9+9+9+9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{444} &:= \frac{(1+1+1+1) \times 111}{1 \times 1} = \frac{(2+2+2+2) \times 222}{2 \times 2} = \frac{(3+3+3+3) \times 333}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 444}{4 \times 4} = \frac{(5+5+5+5) \times 555}{5 \times 5} = \frac{(6+6+6+6) \times 666}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 777}{7 \times 7} = \frac{(8+8+8+8) \times 888}{8 \times 8} = \frac{(9+9+9+9) \times 999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{4444} &:= \frac{(1+1+1+1) \times 1111}{1 \times 1} = \frac{(2+2+2+2) \times 2222}{2 \times 2} = \frac{(3+3+3+3) \times 3333}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 4444}{4 \times 4} = \frac{(5+5+5+5) \times 5555}{5 \times 5} = \frac{(6+6+6+6) \times 6666}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 7777}{7 \times 7} = \frac{(8+8+8+8) \times 8888}{8 \times 8} = \frac{(9+9+9+9) \times 9999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44444} &:= \frac{(1+1+1+1) \times 11111}{1 \times 1} = \frac{(2+2+2+2) \times 22222}{2 \times 2} = \frac{(3+3+3+3) \times 33333}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 44444}{4 \times 4} = \frac{(5+5+5+5) \times 55555}{5 \times 5} = \frac{(6+6+6+6) \times 66666}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 77777}{7 \times 7} = \frac{(8+8+8+8) \times 88888}{8 \times 8} = \frac{(9+9+9+9) \times 99999}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{45} &:= \frac{111+1}{1+1} - \frac{11}{1} = \frac{222+2}{2+2} - \frac{22}{2} = \frac{333+3}{3+3} - \frac{33}{3} = \frac{444+4}{4+4} - \frac{44}{4} = \frac{555+5}{5+5} - \frac{55}{5} = \frac{666+6}{6+6} - \frac{66}{6} \\ &:= \frac{777+7}{7+7} - \frac{77}{7} = \frac{888+8}{8+8} - \frac{88}{8} = \frac{999+9}{9+9} - \frac{99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{445} &:= \frac{1111+1}{1+1} - \frac{111}{1} = \frac{2222+2}{2+2} - \frac{222}{2} = \frac{3333+3}{3+3} - \frac{333}{3} = \frac{4444+4}{4+4} - \frac{444}{4} = \frac{5555+5}{5+5} - \frac{555}{5} = \frac{6666+6}{6+6} - \frac{666}{6} \\ &:= \frac{7777+7}{7+7} - \frac{777}{7} = \frac{8888+8}{8+8} - \frac{888}{8} = \frac{9999+9}{9+9} - \frac{999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{4445} &:= \frac{11111+1}{1+1} - \frac{1111}{1} = \frac{22222+2}{2+2} - \frac{2222}{2} = \frac{33333+3}{3+3} - \frac{3333}{3} = \frac{44444+4}{4+4} - \frac{4444}{4} = \frac{55555+5}{5+5} - \frac{5555}{5} = \frac{66666+6}{6+6} - \frac{6666}{6} \\ &:= \frac{77777+7}{7+7} - \frac{7777}{7} = \frac{88888+8}{8+8} - \frac{8888}{8} = \frac{99999+9}{9+9} - \frac{9999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44445} &:= \frac{111111+1}{1+1} - \frac{11111}{1} = \frac{222222+2}{2+2} - \frac{22222}{2} = \frac{333333+3}{3+3} - \frac{33333}{3} = \frac{444444+4}{4+4} - \frac{44444}{4} = \frac{555555+5}{5+5} - \frac{55555}{5} = \frac{666666+6}{6+6} - \frac{66666}{6} \\ &:= \frac{777777+7}{7+7} - \frac{77777}{7} = \frac{888888+8}{8+8} - \frac{88888}{8} = \frac{999999+9}{9+9} - \frac{99999}{9} \end{aligned}$$

$$\blacktriangleright \quad 46 := \frac{(11+11+1) \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times (3+3)}{3 \times 3} = \frac{(44+44+4) \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times (5+5)}{5 \times 5}$$

$$:= \frac{(66+66+6) \times (6+6)}{6 \times 6} = \frac{(77+77+7) \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times (9+9)}{9 \times 9}$$

$$246 := \frac{(111+11+1) \times (1+1)}{1 \times 1} = \frac{(222+22+2) \times (2+2)}{2 \times 2} = \frac{(333+33+3) \times (3+3)}{3 \times 3} = \frac{(444+44+4) \times (4+4)}{4 \times 4} = \frac{(555+55+5) \times (5+5)}{5 \times 5}$$

$$:= \frac{(666+66+6) \times (6+6)}{6 \times 6} = \frac{(777+77+7) \times (7+7)}{7 \times 7} = \frac{(888+88+8) \times (8+8)}{8 \times 8} = \frac{(999+99+9) \times (9+9)}{9 \times 9}$$

$$2246 := \frac{(1111+11+1) \times (1+1)}{1 \times 1} = \frac{(2222+22+2) \times (2+2)}{2 \times 2} = \frac{(3333+33+3) \times (3+3)}{3 \times 3} = \frac{(4444+44+4) \times (4+4)}{4 \times 4} = \frac{(5555+55+5) \times (5+5)}{5 \times 5}$$

$$:= \frac{(6666+66+6) \times (6+6)}{6 \times 6} = \frac{(7777+77+7) \times (7+7)}{7 \times 7} = \frac{(8888+88+8) \times (8+8)}{8 \times 8} = \frac{(9999+99+9) \times (9+9)}{9 \times 9}$$

$$22246 := \frac{(11111+11+1) \times (1+1)}{1 \times 1} = \frac{(22222+22+2) \times (2+2)}{2 \times 2} = \frac{(33333+33+3) \times (3+3)}{3 \times 3} = \frac{(44444+44+4) \times (4+4)}{4 \times 4} = \frac{(55555+55+5) \times (5+5)}{5 \times 5}$$

$$:= \frac{(66666+66+6) \times (6+6)}{6 \times 6} = \frac{(77777+77+7) \times (7+7)}{7 \times 7} = \frac{(88888+88+8) \times (8+8)}{8 \times 8} = \frac{(99999+99+9) \times (9+9)}{9 \times 9}$$

$$\blacktriangleright \quad 47 := \frac{(11+11+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times (3+3) + 3 \times 3}{3 \times 3}$$

$$:= \frac{(44+44+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times (6+6) + 6 \times 6}{6 \times 6}$$

$$:= \frac{(77+77+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times (9+9) + 9 \times 9}{9 \times 9}$$

$$247 := \frac{(111+11+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(222+22+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(333+33+3) \times (3+3) + 3 \times 3}{3 \times 3}$$

$$:= \frac{(444+44+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(555+55+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(666+66+6) \times (6+6) + 6 \times 6}{6 \times 6}$$

$$:= \frac{(777+77+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(888+88+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(999+99+9) \times (9+9) + 9 \times 9}{9 \times 9}$$

$$2247 := \frac{(1111+11+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(2222+22+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(3333+33+3) \times (3+3) + 3 \times 3}{3 \times 3}$$

$$:= \frac{(4444+44+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(5555+55+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(6666+66+6) \times (6+6) + 6 \times 6}{6 \times 6}$$

$$:= \frac{(7777+77+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(8888+88+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(9999+99+9) \times (9+9) + 9 \times 9}{9 \times 9}$$

$$22247 := \frac{(11111+11+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(22222+22+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(33333+33+3) \times (3+3) + 3 \times 3}{3 \times 3}$$

$$:= \frac{(44444+44+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(55555+55+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(66666+66+6) \times (6+6) + 6 \times 6}{6 \times 6}$$

$$:= \frac{(77777+77+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(88888+88+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(99999+99+9) \times (9+9) + 9 \times 9}{9 \times 9}$$

►

48

$$\begin{aligned} &:= \frac{111-11-1-1-1-1}{1+1} = \frac{222-22-2-2-2-2}{2+2} = \frac{333-33-3-3-3-3}{3+3} = \frac{444-44-4-4-4-4}{4+4} = \frac{555-55-5-5-5-5}{5+5} \\ &:= \frac{666-66-6-6-6-6}{6+6} = \frac{777-77-7-7-7-7}{7+7} = \frac{888-88-8-8-8-8}{8+8} = \frac{999-99-9-9-9-9}{9+9} \end{aligned}$$

548

$$\begin{aligned} &:= \frac{1111-11-1-1-1-1}{1+1} = \frac{2222-22-2-2-2-2}{2+2} = \frac{3333-33-3-3-3-3}{3+3} = \frac{4444-44-4-4-4-4}{4+4} = \frac{5555-55-5-5-5-5}{5+5} \\ &:= \frac{6666-66-6-6-6-6}{6+6} = \frac{7777-77-7-7-7-7}{7+7} = \frac{8888-88-8-8-8-8}{8+8} = \frac{9999-99-9-9-9-9}{9+9} \end{aligned}$$

5548

$$\begin{aligned} &:= \frac{11111-11-1-1-1-1}{1+1} = \frac{22222-22-2-2-2-2}{2+2} = \frac{33333-33-3-3-3-3}{3+3} = \frac{44444-44-4-4-4-4}{4+4} = \frac{55555-55-5-5-5-5}{5+5} \\ &:= \frac{66666-66-6-6-6-6}{6+6} = \frac{77777-77-7-7-7-7}{7+7} = \frac{88888-88-8-8-8-8}{8+8} = \frac{99999-99-9-9-9-9}{9+9} \end{aligned}$$

55548

$$\begin{aligned} &:= \frac{111111-11-1-1-1-1}{1+1} = \frac{222222-22-2-2-2-2}{2+2} = \frac{333333-33-3-3-3-3}{3+3} = \frac{444444-44-4-4-4-4}{4+4} = \frac{555555-55-5-5-5-5}{5+5} \\ &:= \frac{666666-66-6-6-6-6}{6+6} = \frac{777777-77-7-7-7-7}{7+7} = \frac{888888-88-8-8-8-8}{8+8} = \frac{999999-99-9-9-9-9}{9+9} \end{aligned}$$

►

49

$$\begin{aligned} &:= \frac{111-11-1-1}{1+1} = \frac{222-22-2-2}{2+2} = \frac{333-33-3-3}{3+3} = \frac{444-44-4-4}{4+4} = \frac{555-55-5-5}{5+5} = \frac{666-66-6-6}{6+6} \\ &:= \frac{777-77-7-7}{7+7} = \frac{888-88-8-8}{8+8} = \frac{999-99-9-9}{9+9} \end{aligned}$$

549

$$\begin{aligned} &:= \frac{1111-11-1-1}{1+1} = \frac{2222-22-2-2}{2+2} = \frac{3333-33-3-3}{3+3} = \frac{4444-44-4-4}{4+4} = \frac{5555-55-5-5}{5+5} = \frac{6666-66-6-6}{6+6} \\ &:= \frac{7777-77-7-7}{7+7} = \frac{8888-88-8-8}{8+8} = \frac{9999-99-9-9}{9+9} \end{aligned}$$

5549

$$\begin{aligned} &:= \frac{11111-11-1-1}{1+1} = \frac{22222-22-2-2}{2+2} = \frac{33333-33-3-3}{3+3} = \frac{44444-44-4-4}{4+4} = \frac{55555-55-5-5}{5+5} = \frac{66666-66-6-6}{6+6} \\ &:= \frac{77777-77-7-7}{7+7} = \frac{88888-88-8-8}{8+8} = \frac{99999-99-9-9}{9+9} \end{aligned}$$

55549

$$\begin{aligned} &:= \frac{111111-11-1-1}{1+1} = \frac{222222-22-2-2}{2+2} = \frac{333333-33-3-3}{3+3} = \frac{444444-44-4-4}{4+4} = \frac{555555-55-5-5}{5+5} = \frac{666666-66-6-6}{6+6} \\ &:= \frac{777777-77-7-7}{7+7} = \frac{888888-88-8-8}{8+8} = \frac{999999-99-9-9}{9+9} \end{aligned}$$

►

50

$$\begin{aligned} &:= \frac{111-11}{1+1} = \frac{222-22}{2+2} = \frac{333-33}{3+3} = \frac{444-44}{4+4} = \frac{555-55}{5+5} = \frac{666-66}{6+6} = \frac{777-77}{7+7} = \frac{888-88}{8+8} = \frac{999-99}{9+9} \end{aligned}$$

24

550

$$:= \frac{1111-11}{1+1} = \frac{2222-22}{2+2} = \frac{3333-33}{3+3} = \frac{4444-44}{4+4} = \frac{5555-55}{5+5} = \frac{6666-66}{6+6} = \frac{7777-77}{7+7} = \frac{8888-88}{8+8} = \frac{9999-99}{9+9}$$

5550

$$:= \frac{11111-11}{1+1} = \frac{22222-22}{2+2} = \frac{33333-33}{3+3} = \frac{44444-44}{4+4} = \frac{55555-55}{5+5} = \frac{66666-66}{6+6} = \frac{77777-77}{7+7} = \frac{88888-88}{8+8} = \frac{99999-99}{9+9}$$

55550

$$:= \frac{111111-11}{1+1} = \frac{222222-22}{2+2} = \frac{333333-33}{3+3} = \frac{444444-44}{4+4} = \frac{555555-55}{5+5} = \frac{666666-66}{6+6} = \frac{777777-77}{7+7} = \frac{888888-88}{8+8} = \frac{999999-99}{9+9}$$

► 51

$$:= \frac{111-11+1+1}{1+1} = \frac{222-22+2+2}{2+2} = \frac{333-33+3+3}{3+3} = \frac{444-44+4+4}{4+4} = \frac{555-55+5+5}{5+5} = \frac{666-66+6+6}{6+6}$$
$$:= \frac{777-77+7+7}{7+7} = \frac{888-88+8+8}{8+8} = \frac{999-99+9+9}{9+9}$$

551

$$:= \frac{1111-11+1+1}{1+1} = \frac{2222-22+2+2}{2+2} = \frac{3333-33+3+3}{3+3} = \frac{4444-44+4+4}{4+4} = \frac{5555-55+5+5}{5+5} = \frac{6666-66+6+6}{6+6}$$
$$:= \frac{7777-77+7+7}{7+7} = \frac{8888-88+8+8}{8+8} = \frac{9999-99+9+9}{9+9}$$

5551

$$:= \frac{11111-11+1+1}{1+1} = \frac{22222-22+2+2}{2+2} = \frac{33333-33+3+3}{3+3} = \frac{44444-44+4+4}{4+4} = \frac{55555-55+5+5}{5+5} = \frac{66666-66+6+6}{6+6}$$
$$:= \frac{77777-77+7+7}{7+7} = \frac{88888-88+8+8}{8+8} = \frac{99999-99+9+9}{9+9}$$

55551

$$:= \frac{111111-11+1+1}{1+1} = \frac{222222-22+2+2}{2+2} = \frac{333333-33+3+3}{3+3} = \frac{444444-44+4+4}{4+4} = \frac{555555-55+5+5}{5+5} = \frac{666666-66+6+6}{6+6}$$
$$:= \frac{777777-77+7+7}{7+7} = \frac{888888-88+8+8}{8+8} = \frac{999999-99+9+9}{9+9}$$

55551

$$:= \frac{111111-11+1+1}{1+1} = \frac{222222-22+2+2}{2+2} = \frac{333333-33+3+3}{3+3} = \frac{444444-44+4+4}{4+4} = \frac{555555-55+5+5}{5+5} = \frac{666666-66+6+6}{6+6}$$
$$:= \frac{777777-77+7+7}{7+7} = \frac{888888-88+8+8}{8+8} = \frac{999999-99+9+9}{9+9}$$

► 52

$$:= \frac{(11+1+1) \times (1+1+1+1)}{1 \times 1} = \frac{(22+2+2) \times (2+2+2+2)}{2 \times 2} = \frac{(33+3+3) \times (3+3+3+3)}{3 \times 3}$$
$$:= \frac{(44+4+4) \times (4+4+4+4)}{4 \times 4} = \frac{(55+5+5) \times (5+5+5+5)}{5 \times 5} = \frac{(66+6+6) \times (6+6+6+6)}{6 \times 6}$$
$$:= \frac{(77+7+7) \times (7+7+7+7)}{7 \times 7} = \frac{(88+8+8) \times (8+8+8+8)}{8 \times 8} = \frac{(99+9+9) \times (9+9+9+9)}{9 \times 9}$$

452

$$:= \frac{(111+1+1) \times (1+1+1+1)}{1 \times 1} = \frac{(222+2+2) \times (2+2+2+2)}{2 \times 2} = \frac{(333+3+3) \times (3+3+3+3)}{3 \times 3}$$
$$:= \frac{(444+4+4) \times (4+4+4+4)}{4 \times 4} = \frac{(555+5+5) \times (5+5+5+5)}{5 \times 5} = \frac{(666+6+6) \times (6+6+6+6)}{6 \times 6}$$
$$:= \frac{(777+7+7) \times (7+7+7+7)}{7 \times 7} = \frac{(888+8+8) \times (8+8+8+8)}{8 \times 8} = \frac{(999+9+9) \times (9+9+9+9)}{9 \times 9}$$

4452

$$:= \frac{(1111+1+1) \times (1+1+1+1)}{1 \times 1} = \frac{(2222+2+2) \times (2+2+2+2)}{2 \times 2} = \frac{(3333+3+3) \times (3+3+3+3)}{3 \times 3}$$

$$:= \frac{(4444 + 4 + 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 5 + 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 6 + 6) \times (6 + 6 + 6 + 6)}{6 \times 6}$$

$$:= \frac{(7777 + 7 + 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 8 + 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 9 + 9) \times (9 + 9 + 9 + 9)}{9 \times 9}$$

$$\mathbf{44452} := \frac{(11111 + 1 + 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 2 + 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 3 + 3) \times (3 + 3 + 3 + 3)}{3 \times 3}$$

$$:= \frac{(44444 + 4 + 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 5 + 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 6 + 6) \times (6 + 6 + 6 + 6)}{6 \times 6}$$

$$:= \frac{(77777 + 7 + 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 8 + 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 9 + 9) \times (9 + 9 + 9 + 9)}{9 \times 9}$$

$$\blacktriangleright \mathbf{53} := \frac{111 - 1}{1 + 1} - \frac{1 + 1}{7 + 7} = \frac{222 - 2}{2 + 2} - \frac{2 + 2}{8 + 8} = \frac{333 - 3}{3 + 3} - \frac{3 + 3}{9 + 9} = \frac{444 - 4}{4 + 4} - \frac{4 + 4}{7 + 7} = \frac{555 - 5}{5 + 5} - \frac{5 + 5}{6 + 6} = \frac{666 - 6}{6 + 6} - \frac{6 + 6}{7 + 7}$$

$$:= \frac{777 - 7}{7 + 7} - \frac{7 + 7}{8 + 8} = \frac{888 - 8}{8 + 8} - \frac{8 + 8}{9 + 9} = \frac{999 - 9}{9 + 9} - \frac{9 + 9}{10 + 10}$$

$$\mathbf{553} := \frac{1111 - 1}{1 + 1} - \frac{1 + 1}{7 + 7} = \frac{2222 - 2}{2 + 2} - \frac{2 + 2}{8 + 8} = \frac{3333 - 3}{3 + 3} - \frac{3 + 3}{9 + 9} = \frac{4444 - 4}{4 + 4} - \frac{4 + 4}{7 + 7} = \frac{5555 - 5}{5 + 5} - \frac{5 + 5}{6 + 6} = \frac{6666 - 6}{6 + 6} - \frac{6 + 6}{7 + 7}$$

$$:= \frac{7777 - 7}{7 + 7} - \frac{7 + 7}{8 + 8} = \frac{8888 - 8}{8 + 8} - \frac{8 + 8}{9 + 9} = \frac{9999 - 9}{9 + 9} - \frac{9 + 9}{10 + 10}$$

$$\mathbf{5553} := \frac{11111 - 1}{1 + 1} - \frac{1 + 1}{7 + 7} = \frac{22222 - 2}{2 + 2} - \frac{2 + 2}{8 + 8} = \frac{33333 - 3}{3 + 3} - \frac{3 + 3}{9 + 9} = \frac{44444 - 4}{4 + 4} - \frac{4 + 4}{7 + 7} = \frac{55555 - 5}{5 + 5} - \frac{5 + 5}{6 + 6} = \frac{66666 - 6}{6 + 6} - \frac{6 + 6}{7 + 7}$$

$$:= \frac{77777 - 7}{7 + 7} - \frac{7 + 7}{8 + 8} = \frac{88888 - 8}{8 + 8} - \frac{8 + 8}{9 + 9} = \frac{99999 - 9}{9 + 9} - \frac{9 + 9}{10 + 10}$$

$$\mathbf{55553} := \frac{111111 - 1}{1 + 1} - \frac{1 + 1}{7 + 7} = \frac{222222 - 2}{2 + 2} - \frac{2 + 2}{8 + 8} = \frac{333333 - 3}{3 + 3} - \frac{3 + 3}{9 + 9} = \frac{444444 - 4}{4 + 4} - \frac{4 + 4}{7 + 7} = \frac{555555 - 5}{5 + 5} - \frac{5 + 5}{6 + 6} = \frac{666666 - 6}{6 + 6} - \frac{6 + 6}{7 + 7}$$

$$:= \frac{777777 - 7}{7 + 7} - \frac{7 + 7}{8 + 8} = \frac{888888 - 8}{8 + 8} - \frac{8 + 8}{9 + 9} = \frac{999999 - 9}{9 + 9} - \frac{9 + 9}{10 + 10}$$

$$\blacktriangleright \mathbf{54} := \frac{111 - 1 - 1 - 1}{1 + 1} = \frac{222 - 2 - 2 - 2}{2 + 2} = \frac{333 - 3 - 3 - 3}{3 + 3} = \frac{444 - 4 - 4 - 4}{4 + 4} = \frac{555 - 5 - 5 - 5}{5 + 5} = \frac{666 - 6 - 6 - 6}{6 + 6}$$

$$:= \frac{777 - 7 - 7 - 7}{7 + 7} = \frac{888 - 8 - 8 - 8}{8 + 8} = \frac{999 - 9 - 9 - 9}{9 + 9}$$

$$\mathbf{554} := \frac{1111 - 1 - 1 - 1}{1 + 1} = \frac{2222 - 2 - 2 - 2}{2 + 2} = \frac{3333 - 3 - 3 - 3}{3 + 3} = \frac{4444 - 4 - 4 - 4}{4 + 4} = \frac{5555 - 5 - 5 - 5}{5 + 5} = \frac{6666 - 6 - 6 - 6}{6 + 6}$$

$$:= \frac{7777 - 7 - 7 - 7}{7 + 7} = \frac{8888 - 8 - 8 - 8}{8 + 8} = \frac{9999 - 9 - 9 - 9}{9 + 9}$$

$$\mathbf{5554} := \frac{11111 - 1 - 1 - 1}{1 + 1} = \frac{22222 - 2 - 2 - 2}{2 + 2} = \frac{33333 - 3 - 3 - 3}{3 + 3} = \frac{44444 - 4 - 4 - 4}{4 + 4} = \frac{55555 - 5 - 5 - 5}{5 + 5} = \frac{66666 - 6 - 6 - 6}{6 + 6}$$

$$:= \frac{77777 - 7 - 7 - 7}{7 + 7} = \frac{88888 - 8 - 8 - 8}{8 + 8} = \frac{99999 - 9 - 9 - 9}{9 + 9}$$

55554

$$:= \frac{111111-1-1-1}{1+1} = \frac{222222-2-2-2}{2+2} = \frac{333333-3-3-3}{3+3} = \frac{444444-4-4-4}{4+4} = \frac{555555-5-5-5}{5+5} = \frac{666666-6-6-6}{6+6}$$
$$:= \frac{777777-7-7-7}{7+7} = \frac{888888-8-8-8}{8+8} = \frac{999999-9-9-9}{9+9}$$

55

$$:= \frac{111-1}{1+1} = \frac{222-2}{2+2} = \frac{333-3}{3+3} = \frac{444-4}{4+4} = \frac{555-5}{5+5} = \frac{666-6}{6+6} = \frac{777-7}{7+7} = \frac{888-8}{8+8} = \frac{999-9}{9+9}$$

555

$$:= \frac{1111-1}{1+1} = \frac{2222-2}{2+2} = \frac{3333-3}{3+3} = \frac{4444-4}{4+4} = \frac{5555-5}{5+5} = \frac{6666-6}{6+6} = \frac{7777-7}{7+7} = \frac{8888-8}{8+8} = \frac{9999-9}{9+9}$$

5555

$$:= \frac{11111-1}{1+1} = \frac{22222-2}{2+2} = \frac{33333-3}{3+3} = \frac{44444-4}{4+4} = \frac{55555-5}{5+5} = \frac{66666-6}{6+6} = \frac{77777-7}{7+7} = \frac{88888-8}{8+8} = \frac{99999-9}{9+9}$$

55555

$$:= \frac{111111-1}{1+1} = \frac{222222-2}{2+2} = \frac{333333-3}{3+3} = \frac{444444-4}{4+4} = \frac{555555-5}{5+5} = \frac{666666-6}{6+6} = \frac{777777-7}{7+7} = \frac{888888-8}{8+8} = \frac{999999-9}{9+9}$$

56

$$:= \frac{111+1}{1+1} = \frac{222+2}{2+2} = \frac{333+3}{3+3} = \frac{444+4}{4+4} = \frac{555+5}{5+5} = \frac{666+6}{6+6} = \frac{777+7}{7+7} = \frac{888+8}{8+8} = \frac{999+9}{9+9}$$

556

$$:= \frac{1111+1}{1+1} = \frac{2222+2}{2+2} = \frac{3333+3}{3+3} = \frac{4444+4}{4+4} = \frac{5555+5}{5+5} = \frac{6666+6}{6+6} = \frac{7777+7}{7+7} = \frac{8888+8}{8+8} = \frac{9999+9}{9+9}$$

5556

$$:= \frac{11111+1}{1+1} = \frac{22222+2}{2+2} = \frac{33333+3}{3+3} = \frac{44444+4}{4+4} = \frac{55555+5}{5+5} = \frac{66666+6}{6+6} = \frac{77777+7}{7+7} = \frac{88888+8}{8+8} = \frac{99999+9}{9+9}$$

55556

$$:= \frac{111111+1}{1+1} = \frac{222222+2}{2+2} = \frac{333333+3}{3+3} = \frac{444444+4}{4+4} = \frac{555555+5}{5+5} = \frac{666666+6}{6+6} = \frac{777777+7}{7+7} = \frac{888888+8}{8+8} = \frac{999999+9}{9+9}$$

57

$$:= \frac{111+1+1+1}{1+1} = \frac{222+2+2+2}{2+2} = \frac{333+3+3+3}{3+3} = \frac{444+4+4+4}{4+4} = \frac{555+5+5+5}{5+5} = \frac{666+6+6+6}{6+6}$$
$$:= \frac{777+7+7+7}{7+7} = \frac{888+8+8+8}{8+8} = \frac{999+9+9+9}{9+9}$$

557

$$:= \frac{1111+1+1+1}{1+1} = \frac{2222+2+2+2}{2+2} = \frac{3333+3+3+3}{3+3} = \frac{4444+4+4+4}{4+4} = \frac{5555+5+5+5}{5+5} = \frac{6666+6+6+6}{6+6}$$
$$:= \frac{7777+7+7+7}{7+7} = \frac{8888+8+8+8}{8+8} = \frac{9999+9+9+9}{9+9}$$

5557

$$:= \frac{11111+1+1+1}{1+1} = \frac{22222+2+2+2}{2+2} = \frac{33333+3+3+3}{3+3} = \frac{44444+4+4+4}{4+4} = \frac{55555+5+5+5}{5+5} = \frac{66666+6+6+6}{6+6}$$
$$:= \frac{77777+7+7+7}{7+7} = \frac{88888+8+8+8}{8+8} = \frac{99999+9+9+9}{9+9}$$

$$\begin{aligned} 55557 &:= \frac{111111+1+1+1}{1+1} = \frac{222222+2+2+2}{2+2} = \frac{333333+3+3+3}{3+3} = \frac{444444+4+4+4}{4+4} = \frac{555555+5+5+5}{5+5} = \frac{666666+6+6+6}{6+6} \\ &:= \frac{777777+7+7+7}{7+7} = \frac{888888+8+8+8}{8+8} = \frac{999999+9+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 58 &:= \frac{111+1}{1+1} + \frac{1+1}{1} = \frac{222+2}{2+2} + \frac{2+2}{2} = \frac{333+3}{3+3} + \frac{3+3}{3} = \frac{444+4}{4+4} + \frac{4+4}{4} = \frac{555+5}{5+5} + \frac{5+5}{5} = \frac{666+6}{6+6} + \frac{6+6}{6} \\ &:= \frac{777+7}{7+7} + \frac{7+7}{7} = \frac{888+8}{8+8} + \frac{8+8}{8} = \frac{999+9}{9+9} + \frac{9+9}{9} \end{aligned}$$

$$\begin{aligned} 558 &:= \frac{1111+1}{1+1} + \frac{1+1}{1} = \frac{2222+2}{2+2} + \frac{2+2}{2} = \frac{3333+3}{3+3} + \frac{3+3}{3} = \frac{4444+4}{4+4} + \frac{4+4}{4} = \frac{5555+5}{5+5} + \frac{5+5}{5} = \frac{6666+6}{6+6} + \frac{6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{7+7}{7} = \frac{8888+8}{8+8} + \frac{8+8}{8} = \frac{9999+9}{9+9} + \frac{9+9}{9} \end{aligned}$$

$$\begin{aligned} 5558 &:= \frac{11111+1}{1+1} + \frac{1+1}{1} = \frac{22222+2}{2+2} + \frac{2+2}{2} = \frac{33333+3}{3+3} + \frac{3+3}{3} = \frac{44444+4}{4+4} + \frac{4+4}{4} = \frac{55555+5}{5+5} + \frac{5+5}{5} = \frac{66666+6}{6+6} + \frac{6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{7+7}{7} = \frac{88888+8}{8+8} + \frac{8+8}{8} = \frac{99999+9}{9+9} + \frac{9+9}{9} \end{aligned}$$

$$\begin{aligned} 55558 &:= \frac{111111+1}{1+1} + \frac{1+1}{1} = \frac{222222+2}{2+2} + \frac{2+2}{2} = \frac{333333+3}{3+3} + \frac{3+3}{3} = \frac{444444+4}{4+4} + \frac{4+4}{4} = \frac{555555+5}{5+5} + \frac{5+5}{5} = \frac{666666+6}{6+6} + \frac{6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{7+7}{7} = \frac{888888+8}{8+8} + \frac{8+8}{8} = \frac{999999+9}{9+9} + \frac{9+9}{9} \end{aligned}$$

$$\blacktriangleright 59 := \frac{111+11-1-1-1-1}{1+1} = \frac{222+22-2-2-2-2}{2+2} = \frac{333+33-3-3-3-3}{3+3}$$

$$\begin{aligned} &:= \frac{444+44-4-4-4-4}{4+4} = \frac{555+55-5-5-5-5}{5+5} = \frac{666+66-6-6-6-6}{6+6} \\ &:= \frac{777+77-7-7-7-7}{7+7} = \frac{888+88-8-8-8-8}{8+8} = \frac{999+99-9-9-9-9}{9+9} \end{aligned}$$

$$559 := \frac{1111+11-1-1-1-1}{1+1} = \frac{2222+22-2-2-2-2}{2+2} = \frac{3333+33-3-3-3-3}{3+3}$$

$$\begin{aligned} &:= \frac{4444+44-4-4-4-4}{4+4} = \frac{5555+55-5-5-5-5}{5+5} = \frac{6666+66-6-6-6-6}{6+6} \\ &:= \frac{7777+77-7-7-7-7}{7+7} = \frac{8888+88-8-8-8-8}{8+8} = \frac{9999+99-9-9-9-9}{9+9} \end{aligned}$$

$$5559 := \frac{11111+11-1-1-1-1}{1+1} = \frac{22222+22-2-2-2-2}{2+2} = \frac{33333+33-3-3-3-3}{3+3}$$

$$\begin{aligned} &:= \frac{44444 + 44 - 4 - 4 - 4 - 4}{4 + 4} = \frac{55555 + 55 - 5 - 5 - 5 - 5}{5 + 5} = \frac{66666 + 66 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{77777 + 77 - 7 - 7 - 7 - 7}{7 + 7} = \frac{88888 + 88 - 8 - 8 - 8 - 8}{8 + 8} = \frac{99999 + 99 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

$$\textcolor{red}{55559} := \frac{111111 + 11 - 1 - 1 - 1 - 1}{1 + 1} = \frac{222222 + 22 - 2 - 2 - 2 - 2}{2 + 2} = \frac{333333 + 33 - 3 - 3 - 3 - 3}{3 + 3}$$

$$\begin{aligned} &:= \frac{444444 + 44 - 4 - 4 - 4 - 4}{4 + 4} = \frac{555555 + 55 - 5 - 5 - 5 - 5}{5 + 5} = \frac{666666 + 66 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{777777 + 77 - 7 - 7 - 7 - 7}{7 + 7} = \frac{888888 + 88 - 8 - 8 - 8 - 8}{8 + 8} = \frac{999999 + 99 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

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$$\begin{aligned} \textcolor{red}{60} &:= \frac{111 + 11 - 1 - 1}{1 + 1} = \frac{222 + 22 - 2 - 2}{2 + 2} = \frac{333 + 33 - 3 - 3}{3 + 3} = \frac{444 + 44 - 4 - 4}{4 + 4} = \frac{555 + 55 - 5 - 5}{5 + 5} \\ &:= \frac{666 + 66 - 6 - 6}{6 + 6} = \frac{777 + 77 - 7 - 7}{7 + 7} = \frac{888 + 88 - 8 - 8}{8 + 8} = \frac{999 + 99 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{610} &:= \frac{1111 + 111 - 1 - 1}{1 + 1} = \frac{2222 + 222 - 2 - 2}{2 + 2} = \frac{3333 + 333 - 3 - 3}{3 + 3} = \frac{4444 + 444 - 4 - 4}{4 + 4} = \frac{5555 + 555 - 5 - 5}{5 + 5} \\ &:= \frac{6666 + 666 - 6 - 6}{6 + 6} = \frac{7777 + 777 - 7 - 7}{7 + 7} = \frac{8888 + 888 - 8 - 8}{8 + 8} = \frac{9999 + 999 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6110} &:= \frac{11111 + 1111 - 1 - 1}{1 + 1} = \frac{22222 + 2222 - 2 - 2}{2 + 2} = \frac{33333 + 3333 - 3 - 3}{3 + 3} = \frac{44444 + 4444 - 4 - 4}{4 + 4} = \frac{55555 + 5555 - 5 - 5}{5 + 5} \\ &:= \frac{66666 + 6666 - 6 - 6}{6 + 6} = \frac{77777 + 7777 - 7 - 7}{7 + 7} = \frac{88888 + 8888 - 8 - 8}{8 + 8} = \frac{99999 + 9999 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{61110} &:= \frac{111111 + 11111 - 1 - 1}{1 + 1} = \frac{222222 + 22222 - 2 - 2}{2 + 2} = \frac{333333 + 33333 - 3 - 3}{3 + 3} = \frac{444444 + 44444 - 4 - 4}{4 + 4} = \frac{555555 + 55555 - 5 - 5}{5 + 5} \\ &:= \frac{666666 + 66666 - 6 - 6}{6 + 6} = \frac{777777 + 77777 - 7 - 7}{7 + 7} = \frac{888888 + 88888 - 8 - 8}{8 + 8} = \frac{999999 + 99999 - 9 - 9}{9 + 9} \end{aligned}$$

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$$\textcolor{red}{61} := \frac{111 + 11}{1 + 1} = \frac{222 + 22}{2 + 2} = \frac{333 + 33}{3 + 3} = \frac{444 + 44}{4 + 4} = \frac{555 + 55}{5 + 5} = \frac{666 + 66}{6 + 6} = \frac{777 + 77}{7 + 7} = \frac{888 + 88}{8 + 8} = \frac{999 + 99}{9 + 9}$$

$$\textcolor{red}{561} := \frac{1111 + 11}{1 + 1} = \frac{2222 + 22}{2 + 2} = \frac{3333 + 33}{3 + 3} = \frac{4444 + 44}{4 + 4} = \frac{5555 + 55}{5 + 5} = \frac{6666 + 66}{6 + 6} = \frac{7777 + 77}{7 + 7} = \frac{8888 + 88}{8 + 8} = \frac{9999 + 99}{9 + 9}$$

$$\textcolor{red}{5561} := \frac{11111 + 11}{1 + 1} = \frac{22222 + 22}{2 + 2} = \frac{33333 + 33}{3 + 3} = \frac{44444 + 44}{4 + 4} = \frac{55555 + 55}{5 + 5} = \frac{66666 + 66}{6 + 6} = \frac{77777 + 77}{7 + 7} = \frac{88888 + 88}{8 + 8} = \frac{99999 + 99}{9 + 9}$$

$$\textcolor{red}{55561} := \frac{111111 + 11}{1 + 1} = \frac{222222 + 22}{2 + 2} = \frac{333333 + 33}{3 + 3} = \frac{444444 + 44}{4 + 4} = \frac{555555 + 55}{5 + 5} = \frac{666666 + 66}{6 + 6} = \frac{777777 + 77}{7 + 7} = \frac{888888 + 88}{8 + 8} = \frac{999999 + 99}{9 + 9}$$

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62

$$\begin{aligned} &:= \frac{111+11+1+1}{1+1} = \frac{222+22+2+2}{2+2} = \frac{333+33+3+3}{3+3} = \frac{444+44+4+4}{4+4} = \frac{555+55+5+5}{5+5} \\ &:= \frac{666+66+6+6}{6+6} = \frac{777+77+7+7}{7+7} = \frac{888+88+8+8}{8+8} = \frac{999+99+9+9}{9+9} \end{aligned}$$

612

$$\begin{aligned} &:= \frac{1111+111+1+1}{1+1} = \frac{2222+222+2+2}{2+2} = \frac{3333+333+3+3}{3+3} = \frac{4444+444+4+4}{4+4} = \frac{5555+555+5+5}{5+5} \\ &:= \frac{6666+666+6+6}{6+6} = \frac{7777+777+7+7}{7+7} = \frac{8888+888+8+8}{8+8} = \frac{9999+999+9+9}{9+9} \end{aligned}$$

6112

$$\begin{aligned} &:= \frac{11111+1111+1+1}{1+1} = \frac{22222+2222+2+2}{2+2} = \frac{33333+3333+3+3}{3+3} = \frac{44444+4444+4+4}{4+4} = \frac{55555+5555+5+5}{5+5} \\ &:= \frac{66666+6666+6+6}{6+6} = \frac{77777+7777+7+7}{7+7} = \frac{88888+8888+8+8}{8+8} = \frac{99999+9999+9+9}{9+9} \end{aligned}$$

61112

$$\begin{aligned} &:= \frac{111111+11111+1+1}{1+1} = \frac{222222+22222+2+2}{2+2} = \frac{333333+33333+3+3}{3+3} = \frac{444444+44444+4+4}{4+4} = \frac{555555+55555+5+5}{5+5} \\ &:= \frac{666666+66666+6+6}{6+6} = \frac{777777+77777+7+7}{7+7} = \frac{888888+88888+8+8}{8+8} = \frac{999999+99999+9+9}{9+9} \end{aligned}$$

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63

$$\begin{aligned} &:= \frac{111+11+1+1+1+1}{1+1} = \frac{222+22+2+2+2+2}{2+2} = \frac{333+33+3+3+3+3}{3+3} \\ &:= \frac{444+44+4+4+4+4}{4+4} = \frac{555+55+5+5+5+5}{5+5} = \frac{666+66+6+6+6+6}{6+6} \\ &:= \frac{777+77+7+7+7+7}{7+7} = \frac{888+88+8+8+8+8}{8+8} = \frac{999+99+9+9+9+9}{9+9} \end{aligned}$$

613

$$\begin{aligned} &:= \frac{1111+111+1+1+1+1}{1+1} = \frac{2222+222+2+2+2+2}{2+2} = \frac{3333+333+3+3+3+3}{3+3} \\ &:= \frac{4444+444+4+4+4+4}{4+4} = \frac{5555+555+5+5+5+5}{5+5} = \frac{6666+666+6+6+6+6}{6+6} \\ &:= \frac{7777+777+7+7+7+7}{7+7} = \frac{8888+888+8+8+8+8}{8+8} = \frac{9999+999+9+9+9+9}{9+9} \end{aligned}$$

6113

$$\begin{aligned} &:= \frac{11111+1111+1+1+1+1}{1+1} = \frac{22222+2222+2+2+2+2}{2+2} = \frac{33333+3333+3+3+3+3}{3+3} \\ &:= \frac{44444+4444+4+4+4+4}{4+4} = \frac{55555+5555+5+5+5+5}{5+5} = \frac{66666+6666+6+6+6+6}{6+6} \\ &:= \frac{77777+7777+7+7+7+7}{7+7} = \frac{88888+8888+8+8+8+8}{8+8} = \frac{99999+9999+9+9+9+9}{9+9} \end{aligned}$$

61113

$$\begin{aligned} &:= \frac{111111+11111+1+1+1+1}{1+1} = \frac{222222+22222+2+2+2+2}{2+2} = \frac{333333+33333+3+3+3+3}{3+3} \\ &:= \frac{444444+44444+4+4+4+4}{4+4} = \frac{555555+55555+5+5+5+5}{5+5} = \frac{666666+66666+6+6+6+6}{6+6} \\ &:= \frac{777777+77777+7+7+7+7}{7+7} = \frac{888888+88888+8+8+8+8}{8+8} = \frac{999999+99999+9+9+9+9}{9+9} \end{aligned}$$

30

$$\begin{aligned} \blacktriangleright \quad 64 &:= \frac{(11+1) \times 11 - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(22+2) \times 22 - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(33+3) \times 33 - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(44+4) \times 44 - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(55+5) \times 55 - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(66+6) \times 66 - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(77+7) \times 77 - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(88+8) \times 88 - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(99+9) \times 99 - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 614 &:= \frac{(111+1) \times 11 - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times 22 - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times 33 - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times 44 - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times 55 - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times 66 - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 77 - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times 88 - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times 99 - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 6114 &:= \frac{(1111+1) \times 11 - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(2222+2) \times 22 - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(3333+3) \times 33 - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(4444+4) \times 44 - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(5555+5) \times 55 - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(6666+6) \times 66 - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(7777+7) \times 77 - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(8888+8) \times 88 - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(9999+9) \times 99 - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 61114 &:= \frac{(11111+1) \times 11 - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(22222+2) \times 22 - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(33333+3) \times 33 - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(44444+4) \times 44 - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(55555+5) \times 55 - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(66666+6) \times 66 - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(77777+7) \times 77 - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(88888+8) \times 88 - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(99999+9) \times 99 - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 65 &:= \frac{111+11+11-1-1-1}{1+1} = \frac{222+22+22-2-2-2}{2+2} = \frac{333+33+33-3-3-3}{3+3} \\ &:= \frac{444+44+44-4-4-4}{4+4} = \frac{555+55+55-5-5-5}{5+5} = \frac{666+66+66-6-6-6}{6+6} \\ &:= \frac{777+77+77-7-7-7}{7+7} = \frac{888+88+88-8-8-8}{8+8} = \frac{999+99+99-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} 565 &:= \frac{1111+11+11-1-1-1}{1+1} = \frac{2222+22+22-2-2-2}{2+2} = \frac{3333+33+33-3-3-3}{3+3} \\ &:= \frac{4444+44+44-4-4-4}{4+4} = \frac{5555+55+55-5-5-5}{5+5} = \frac{6666+66+66-6-6-6}{6+6} \\ &:= \frac{7777+77+77-7-7-7}{7+7} = \frac{8888+88+88-8-8-8}{8+8} = \frac{9999+99+99-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} 5565 &:= \frac{11111+11+11-1-1-1}{1+1} = \frac{22222+22+22-2-2-2}{2+2} = \frac{33333+33+33-3-3-3}{3+3} \\ &:= \frac{44444+44+44-4-4-4}{4+4} = \frac{55555+55+55-5-5-5}{5+5} = \frac{66666+66+66-6-6-6}{6+6} \end{aligned}$$

$$\begin{aligned} &:= \frac{77777+77+77-7-7-7}{7+7} = \frac{88888+88+88-8-8-8}{8+8} = \frac{99999+99+99-9-9-9}{9+9} \\ \textcolor{red}{55565} &:= \frac{111111+11+11-1-1-1}{1+1} = \frac{222222+22+22-2-2-2}{2+2} = \frac{333333+33+33-3-3-3}{3+3} \\ &:= \frac{444444+44+44-4-4-4}{4+4} = \frac{555555+55+55-5-5-5}{5+5} = \frac{666666+66+66-6-6-6}{6+6} \\ &:= \frac{777777+77+77-7-7-7}{7+7} = \frac{888888+88+88-8-8-8}{8+8} = \frac{999999+99+99-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{66} &:= \frac{111+11+11-1}{1+1} = \frac{222+22+22-2}{2+2} = \frac{333+33+33-3}{3+3} = \frac{444+44+44-4}{4+4} = \frac{555+55+55-5}{5+5} = \frac{666+66+66-6}{6+6} \\ &:= \frac{777+77+77-7}{7+7} = \frac{888+88+88-8}{8+8} = \frac{999+99+99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{566} &:= \frac{1111+11+11-1}{1+1} = \frac{2222+22+22-2}{2+2} = \frac{3333+33+33-3}{3+3} = \frac{4444+44+44-4}{4+4} = \frac{5555+55+55-5}{5+5} = \frac{6666+66+66-6}{6+6} \\ &:= \frac{7777+77+77-7}{7+7} = \frac{8888+88+88-8}{8+8} = \frac{9999+99+99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5566} &:= \frac{11111+11+11-1}{1+1} = \frac{22222+22+22-2}{2+2} = \frac{33333+33+33-3}{3+3} = \frac{44444+44+44-4}{4+4} = \frac{55555+55+55-5}{5+5} = \frac{66666+66+66-6}{6+6} \\ &:= \frac{77777+77+77-7}{7+7} = \frac{88888+88+88-8}{8+8} = \frac{99999+99+99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55566} &:= \frac{111111+11+11-1}{1+1} = \frac{222222+22+22-2}{2+2} = \frac{333333+33+33-3}{3+3} = \frac{444444+44+44-4}{4+4} = \frac{555555+55+55-5}{5+5} = \frac{666666+66+66-6}{6+6} \\ &:= \frac{777777+77+77-7}{7+7} = \frac{888888+88+88-8}{8+8} = \frac{999999+99+99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{67} &:= \frac{111+11+11+1}{1+1} = \frac{222+22+22+2}{2+2} = \frac{333+33+33+3}{3+3} = \frac{444+44+44+4}{4+4} = \frac{555+55+55+5}{5+5} = \frac{666+66+66+6}{6+6} \\ &:= \frac{777+77+77+7}{7+7} = \frac{888+88+88+8}{8+8} = \frac{999+99+99+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{567} &:= \frac{1111+11+11+1}{1+1} = \frac{2222+22+22+2}{2+2} = \frac{3333+33+33+3}{3+3} = \frac{4444+44+44+4}{4+4} = \frac{5555+55+55+5}{5+5} = \frac{6666+66+66+6}{6+6} \\ &:= \frac{7777+77+77+7}{7+7} = \frac{8888+88+88+8}{8+8} = \frac{9999+99+99+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5567} &:= \frac{11111+11+11+1}{1+1} = \frac{22222+22+22+2}{2+2} = \frac{33333+33+33+3}{3+3} = \frac{44444+44+44+4}{4+4} = \frac{55555+55+55+5}{5+5} = \frac{66666+66+66+6}{6+6} \\ &:= \frac{77777+77+77+7}{7+7} = \frac{88888+88+88+8}{8+8} = \frac{99999+99+99+9}{9+9} \end{aligned}$$

$$\begin{aligned} \mathbf{55567} &:= \frac{111111+11+11+1}{1+1} = \frac{222222+22+22+2}{2+2} = \frac{333333+33+33+3}{3+3} = \frac{444444+44+44+4}{4+4} = \frac{555555+55+55+5}{5+5} = \frac{666666+66+66+6}{6+6} \\ &:= \frac{777777+77+77+7}{7+7} = \frac{888888+88+88+8}{8+8} = \frac{999999+99+99+9}{9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{68} &:= \frac{111+1}{1+1} + \frac{11+1}{1} = \frac{222+2}{2+2} + \frac{22+2}{2} = \frac{333+3}{3+3} + \frac{33+3}{3} = \frac{444+4}{4+4} + \frac{44+4}{4} = \frac{555+5}{5+5} + \frac{55+5}{5} = \frac{666+6}{6+6} + \frac{66+6}{6} \\ &:= \frac{777+7}{7+7} + \frac{77+7}{7} = \frac{888+8}{8+8} + \frac{88+8}{8} = \frac{999+9}{9+9} + \frac{99+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{568} &:= \frac{1111+1}{1+1} + \frac{11+1}{1} = \frac{2222+2}{2+2} + \frac{22+2}{2} = \frac{3333+3}{3+3} + \frac{33+3}{3} = \frac{4444+4}{4+4} + \frac{44+4}{4} = \frac{5555+5}{5+5} + \frac{55+5}{5} = \frac{6666+6}{6+6} + \frac{66+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{77+7}{7} = \frac{8888+8}{8+8} + \frac{88+8}{8} = \frac{9999+9}{9+9} + \frac{99+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{5568} &:= \frac{11111+1}{1+1} + \frac{11+1}{1} = \frac{22222+2}{2+2} + \frac{22+2}{2} = \frac{33333+3}{3+3} + \frac{33+3}{3} = \frac{44444+4}{4+4} + \frac{44+4}{4} = \frac{55555+5}{5+5} + \frac{55+5}{5} = \frac{66666+6}{6+6} + \frac{66+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{77+7}{7} = \frac{88888+8}{8+8} + \frac{88+8}{8} = \frac{99999+9}{9+9} + \frac{99+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{55568} &:= \frac{111111+1}{1+1} + \frac{11+1}{1} = \frac{222222+2}{2+2} + \frac{22+2}{2} = \frac{333333+3}{3+3} + \frac{33+3}{3} = \frac{444444+4}{4+4} + \frac{44+4}{4} = \frac{555555+5}{5+5} + \frac{55+5}{5} = \frac{666666+6}{6+6} + \frac{66+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77+7}{7} = \frac{888888+8}{8+8} + \frac{88+8}{8} = \frac{999999+9}{9+9} + \frac{99+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{69} &:= \frac{111+1}{1+1} + \frac{11+1+1}{1} = \frac{222+2}{2+2} + \frac{22+2+2}{2} = \frac{333+3}{3+3} + \frac{33+3+3}{3} = \frac{444+4}{4+4} + \frac{44+4+4}{4} = \frac{555+5}{5+5} + \frac{55+5+5}{5} \\ &:= \frac{666+6}{6+6} + \frac{66+6+6}{6} = \frac{777+7}{7+7} + \frac{77+7+7}{7} = \frac{888+8}{8+8} + \frac{88+8+8}{8} = \frac{999+9}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{569} &:= \frac{1111+1}{1+1} + \frac{11+1+1}{1} = \frac{2222+2}{2+2} + \frac{22+2+2}{2} = \frac{3333+3}{3+3} + \frac{33+3+3}{3} = \frac{4444+4}{4+4} + \frac{44+4+4}{4} = \frac{5555+5}{5+5} + \frac{55+5+5}{5} \\ &:= \frac{6666+6}{6+6} + \frac{66+6+6}{6} = \frac{7777+7}{7+7} + \frac{77+7+7}{7} = \frac{8888+8}{8+8} + \frac{88+8+8}{8} = \frac{9999+9}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{5569} &:= \frac{11111+1}{1+1} + \frac{11+1+1}{1} = \frac{22222+2}{2+2} + \frac{22+2+2}{2} = \frac{33333+3}{3+3} + \frac{33+3+3}{3} = \frac{44444+4}{4+4} + \frac{44+4+4}{4} = \frac{55555+5}{5+5} + \frac{55+5+5}{5} \\ &:= \frac{66666+6}{6+6} + \frac{66+6+6}{6} = \frac{77777+7}{7+7} + \frac{77+7+7}{7} = \frac{88888+8}{8+8} + \frac{88+8+8}{8} = \frac{99999+9}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{55569} &:= \frac{111111+1}{1+1} + \frac{11+1+1}{1} = \frac{222222+2}{2+2} + \frac{22+2+2}{2} = \frac{333333+3}{3+3} + \frac{33+3+3}{3} = \frac{444444+4}{4+4} + \frac{44+4+4}{4} = \frac{555555+5}{5+5} + \frac{55+5+5}{5} \\ &:= \frac{666666+6}{6+6} + \frac{66+6+6}{6} = \frac{777777+7}{7+7} + \frac{77+7+7}{7} = \frac{888888+8}{8+8} + \frac{88+8+8}{8} = \frac{999999+9}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 70 &:= \frac{111+1}{1+1} + \frac{11+1+1+1}{1} = \frac{222+2}{2+2} + \frac{22+2+2+2}{2} = \frac{333+3}{3+3} + \frac{33+3+3+3}{3} = \frac{444+4}{4+4} + \frac{44+4+4+4}{4} = \frac{555+5}{5+5} + \frac{55+5+5+5}{5} \\ &:= \frac{666+6}{6+6} + \frac{66+6+6+6}{6} = \frac{777+7}{7+7} + \frac{77+7+7+7}{7} = \frac{888+8}{8+8} + \frac{88+8+8+8}{8} = \frac{999+9}{9+9} + \frac{99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} 570 &:= \frac{1111+1}{1+1} + \frac{11+1+1+1}{1} = \frac{2222+2}{2+2} + \frac{22+2+2+2}{2} = \frac{3333+3}{3+3} + \frac{33+3+3+3}{3} = \frac{4444+4}{4+4} + \frac{44+4+4+4}{4} = \frac{5555+5}{5+5} + \frac{55+5+5+5}{5} \\ &:= \frac{6666+6}{6+6} + \frac{66+6+6+6}{6} = \frac{7777+7}{7+7} + \frac{77+7+7+7}{7} = \frac{8888+8}{8+8} + \frac{88+8+8+8}{8} = \frac{9999+9}{9+9} + \frac{99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} 5570 &:= \frac{11111+1}{1+1} + \frac{11+1+1+1}{1} = \frac{22222+2}{2+2} + \frac{22+2+2+2}{2} = \frac{33333+3}{3+3} + \frac{33+3+3+3}{3} = \frac{44444+4}{4+4} + \frac{44+4+4+4}{4} = \frac{55555+5}{5+5} + \frac{55+5+5+5}{5} \\ &:= \frac{66666+6}{6+6} + \frac{66+6+6+6}{6} = \frac{77777+7}{7+7} + \frac{77+7+7+7}{7} = \frac{88888+8}{8+8} + \frac{88+8+8+8}{8} = \frac{99999+9}{9+9} + \frac{99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} 55570 &:= \frac{111111+1}{1+1} + \frac{11+1+1+1}{1} = \frac{222222+2}{2+2} + \frac{22+2+2+2}{2} = \frac{333333+3}{3+3} + \frac{33+3+3+3}{3} = \frac{444444+4}{4+4} + \frac{44+4+4+4}{4} = \frac{555555+5}{5+5} + \frac{55+5+5+5}{5} \\ &:= \frac{666666+6}{6+6} + \frac{66+6+6+6}{6} = \frac{777777+7}{7+7} + \frac{77+7+7+7}{7} = \frac{888888+8}{8+8} + \frac{88+8+8+8}{8} = \frac{999999+9}{9+9} + \frac{99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 71 &:= \frac{111+1}{1+1} + \frac{11+1+1+1+1}{1} = \frac{222+2}{2+2} + \frac{22+2+2+2+2}{2} = \frac{333+3}{3+3} + \frac{33+3+3+3+3}{3} \\ &:= \frac{444+4}{4+4} + \frac{44+4+4+4+4}{4} = \frac{555+5}{5+5} + \frac{55+5+5+5+5}{5} = \frac{666+6}{6+6} + \frac{66+6+6+6+6}{6} \\ &:= \frac{777+7}{7+7} + \frac{77+7+7+7+7}{7} = \frac{888+8}{8+8} + \frac{88+8+8+8+8}{8} = \frac{999+9}{9+9} + \frac{99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} 571 &:= \frac{1111+1}{1+1} + \frac{11+1+1+1+1}{1} = \frac{2222+2}{2+2} + \frac{22+2+2+2+2}{2} = \frac{3333+3}{3+3} + \frac{33+3+3+3+3}{3} \\ &:= \frac{4444+4}{4+4} + \frac{44+4+4+4+4}{4} = \frac{5555+5}{5+5} + \frac{55+5+5+5+5}{5} = \frac{6666+6}{6+6} + \frac{66+6+6+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{77+7+7+7+7}{7} = \frac{8888+8}{8+8} + \frac{88+8+8+8+8}{8} = \frac{9999+9}{9+9} + \frac{99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} 5571 &:= \frac{11111+1}{1+1} + \frac{11+1+1+1+1}{1} = \frac{22222+2}{2+2} + \frac{22+2+2+2+2}{2} = \frac{33333+3}{3+3} + \frac{33+3+3+3+3}{3} \\ &:= \frac{44444+4}{4+4} + \frac{44+4+4+4+4}{4} = \frac{55555+5}{5+5} + \frac{55+5+5+5+5}{5} = \frac{66666+6}{6+6} + \frac{66+6+6+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{77+7+7+7+7}{7} = \frac{88888+8}{8+8} + \frac{88+8+8+8+8}{8} = \frac{99999+9}{9+9} + \frac{99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} 55571 &:= \frac{111111+1}{1+1} + \frac{11+1+1+1+1}{1} = \frac{222222+2}{2+2} + \frac{22+2+2+2+2}{2} = \frac{333333+3}{3+3} + \frac{33+3+3+3+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{44+4+4+4+4}{4} = \frac{555555+5}{5+5} + \frac{55+5+5+5+5}{5} = \frac{666666+6}{6+6} + \frac{66+6+6+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77+7+7+7+7}{7} = \frac{888888+8}{8+8} + \frac{88+8+8+8+8}{8} = \frac{999999+9}{9+9} + \frac{99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 72 &:= \frac{(11+1) \times (11+1)}{(1+1) \times 1} = \frac{(22+2) \times (22+2)}{(2+2) \times 2} = \frac{(33+3) \times (33+3)}{(3+3) \times 3} = \frac{(44+4) \times (44+4)}{(4+4) \times 4} = \frac{(55+5) \times (55+5)}{(5+5) \times 5} \\ &:= \frac{(66+6) \times (66+6)}{(6+6) \times 6} = \frac{(77+7) \times (77+7)}{(7+7) \times 7} = \frac{(88+8) \times (88+8)}{(8+8) \times 8} = \frac{(99+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 672 &:= \frac{(111+1) \times (11+1)}{(1+1) \times 1} = \frac{(222+2) \times (22+2)}{(2+2) \times 2} = \frac{(333+3) \times (33+3)}{(3+3) \times 3} = \frac{(444+4) \times (44+4)}{(4+4) \times 4} = \frac{(555+5) \times (55+5)}{(5+5) \times 5} \\ &:= \frac{(666+6) \times (66+6)}{(6+6) \times 6} = \frac{(777+7) \times (77+7)}{(7+7) \times 7} = \frac{(888+8) \times (88+8)}{(8+8) \times 8} = \frac{(999+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 6672 &:= \frac{(1111+1) \times (11+1)}{(1+1) \times 1} = \frac{(2222+2) \times (22+2)}{(2+2) \times 2} = \frac{(3333+3) \times (33+3)}{(3+3) \times 3} = \frac{(4444+4) \times (44+4)}{(4+4) \times 4} = \frac{(5555+5) \times (55+5)}{(5+5) \times 5} \\ &:= \frac{(6666+6) \times (66+6)}{(6+6) \times 6} = \frac{(7777+7) \times (77+7)}{(7+7) \times 7} = \frac{(8888+8) \times (88+8)}{(8+8) \times 8} = \frac{(9999+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 66672 &:= \frac{(11111+1) \times (11+1)}{(1+1) \times 1} = \frac{(22222+2) \times (22+2)}{(2+2) \times 2} = \frac{(33333+3) \times (33+3)}{(3+3) \times 3} = \frac{(44444+4) \times (44+4)}{(4+4) \times 4} = \frac{(55555+5) \times (55+5)}{(5+5) \times 5} \\ &:= \frac{(66666+6) \times (66+6)}{(6+6) \times 6} = \frac{(77777+7) \times (77+7)}{(7+7) \times 7} = \frac{(88888+8) \times (88+8)}{(8+8) \times 8} = \frac{(99999+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 73 &:= \frac{111+11+1+1}{1+1} + \frac{11}{1} = \frac{222+22+2+2}{2+2} + \frac{22}{2} = \frac{333+33+3+3}{3+3} + \frac{33}{3} \\ &:= \frac{444+44+4+4}{4+4} + \frac{44}{4} = \frac{555+55+5+5}{5+5} + \frac{55}{5} = \frac{666+66+6+6}{6+6} + \frac{66}{6} \\ &:= \frac{777+77+7+7}{7+7} + \frac{77}{7} = \frac{888+88+8+8}{8+8} + \frac{88}{8} = \frac{999+99+9+9}{9+9} + \frac{99}{9} \end{aligned}$$

$$\begin{aligned} 723 &:= \frac{1111+111+1+1}{1+1} + \frac{111}{1} = \frac{2222+222+2+2}{2+2} + \frac{222}{2} = \frac{3333+333+3+3}{3+3} + \frac{333}{3} \\ &:= \frac{4444+444+4+4}{4+4} + \frac{444}{4} = \frac{5555+555+5+5}{5+5} + \frac{555}{5} = \frac{6666+666+6+6}{6+6} + \frac{666}{6} \\ &:= \frac{7777+777+7+7}{7+7} + \frac{777}{7} = \frac{8888+888+8+8}{8+8} + \frac{888}{8} = \frac{9999+999+9+9}{9+9} + \frac{999}{9} \end{aligned}$$

$$\begin{aligned} 7223 &:= \frac{11111+1111+1+1}{1+1} + \frac{1111}{1} = \frac{22222+2222+2+2}{2+2} + \frac{2222}{2} = \frac{33333+3333+3+3}{3+3} + \frac{3333}{3} \\ &:= \frac{44444+4444+4+4}{4+4} + \frac{4444}{4} = \frac{55555+5555+5+5}{5+5} + \frac{5555}{5} = \frac{66666+6666+6+6}{6+6} + \frac{6666}{6} \\ &:= \frac{77777+7777+7+7}{7+7} + \frac{7777}{7} = \frac{88888+8888+8+8}{8+8} + \frac{8888}{8} = \frac{99999+9999+9+9}{9+9} + \frac{9999}{9} \end{aligned}$$

$$\begin{aligned} 72223 &:= \frac{111111+11111+1+1}{1+1} + \frac{11111}{1} = \frac{222222+22222+2+2}{2+2} + \frac{22222}{2} = \frac{333333+33333+3+3}{3+3} + \frac{33333}{3} \\ &:= \frac{444444+44444+4+4}{4+4} + \frac{44444}{4} = \frac{555555+55555+5+5}{5+5} + \frac{55555}{5} = \frac{666666+66666+6+6}{6+6} + \frac{66666}{6} \\ &:= \frac{777777+77777+7+7}{7+7} + \frac{77777}{7} = \frac{888888+88888+8+8}{8+8} + \frac{88888}{8} = \frac{999999+99999+9+9}{9+9} + \frac{99999}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 74 &:= \frac{111+11+1+1}{1+1} + \frac{11+1}{1} = \frac{222+22+2+2}{2+2} + \frac{22+2}{2} = \frac{333+33+3+3}{3+3} + \frac{33+3}{3} \\ &:= \frac{444+44+4+4}{4+4} + \frac{44+4}{4} = \frac{555+55+5+5}{5+5} + \frac{55+5}{5} = \frac{666+66+6+6}{6+6} + \frac{66+6}{6} \\ &:= \frac{777+77+7+7}{7+7} + \frac{77+7}{7} = \frac{888+88+8+8}{8+8} + \frac{88+8}{8} = \frac{999+99+9+9}{9+9} + \frac{99+9}{9} \end{aligned}$$

$$\begin{aligned} 724 &:= \frac{1111+111+1+1}{1+1} + \frac{111+1}{1} = \frac{2222+222+2+2}{2+2} + \frac{222+2}{2} = \frac{3333+333+3+3}{3+3} + \frac{333+3}{3} \\ &:= \frac{4444+444+4+4}{4+4} + \frac{444+4}{4} = \frac{5555+555+5+5}{5+5} + \frac{555+5}{5} = \frac{6666+666+6+6}{6+6} + \frac{666+6}{6} \\ &:= \frac{7777+777+7+7}{7+7} + \frac{777+7}{7} = \frac{8888+888+8+8}{8+8} + \frac{888+8}{8} = \frac{9999+999+9+9}{9+9} + \frac{999+9}{9} \end{aligned}$$

$$\begin{aligned} 7224 &:= \frac{11111+1111+1+1}{1+1} + \frac{1111+1}{1} = \frac{22222+2222+2+2}{2+2} + \frac{2222+2}{2} = \frac{33333+3333+3+3}{3+3} + \frac{3333+3}{3} \\ &:= \frac{44444+4444+4+4}{4+4} + \frac{4444+4}{4} = \frac{55555+5555+5+5}{5+5} + \frac{5555+5}{5} = \frac{66666+6666+6+6}{6+6} + \frac{6666+6}{6} \\ &:= \frac{77777+7777+7+7}{7+7} + \frac{7777+7}{7} = \frac{88888+8888+8+8}{8+8} + \frac{8888+8}{8} = \frac{99999+9999+9+9}{9+9} + \frac{9999+9}{9} \end{aligned}$$

$$\begin{aligned} 72224 &:= \frac{111111+11111+1+1}{1+1} + \frac{11111+1}{1} = \frac{222222+22222+2+2}{2+2} + \frac{22222+2}{2} = \frac{333333+33333+3+3}{3+3} + \frac{33333+3}{3} \\ &:= \frac{444444+44444+4+4}{4+4} + \frac{44444+4}{4} = \frac{555555+55555+5+5}{5+5} + \frac{55555+5}{5} = \frac{666666+66666+6+6}{6+6} + \frac{66666+6}{6} \\ &:= \frac{777777+77777+7+7}{7+7} + \frac{77777+7}{7} = \frac{888888+88888+8+8}{8+8} + \frac{88888+8}{8} = \frac{999999+99999+9+9}{9+9} + \frac{99999+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 75 &:= \frac{111-11-11-11-1-1-1}{1} = \frac{222-22-22-22-2-2-2}{2} = \frac{333-33-33-33-3-3-3}{3} \\ &:= \frac{444-44-44-44-4-4-4}{4} = \frac{555-55-55-55-5-5-5}{5} = \frac{666-66-66-66-6-6-6}{6} \\ &:= \frac{777-77-77-77-7-7-7}{7} = \frac{888-88-88-88-8-8-8}{8} = \frac{999-99-99-99-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 975 &:= \frac{1111-111-11-11-1-1-1}{1} = \frac{2222-222-22-22-2-2-2}{2} = \frac{3333-333-33-33-3-3-3}{3} \\ &:= \frac{4444-444-44-44-4-4-4}{4} = \frac{5555-555-55-55-5-5-5}{5} = \frac{6666-666-66-66-6-6-6}{6} \\ &:= \frac{7777-777-77-77-7-7-7}{7} = \frac{8888-888-88-88-8-8-8}{8} = \frac{9999-999-99-99-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 9975 &:= \frac{11111-1111-11-11-1-1-1}{1} = \frac{22222-2222-22-22-2-2-2}{2} = \frac{33333-3333-33-33-3-3-3}{3} \\ &:= \frac{44444-4444-44-44-4-4-4}{4} = \frac{55555-5555-55-55-5-5-5}{5} = \frac{66666-6666-66-66-6-6-6}{6} \end{aligned}$$

$$\begin{aligned} &:= \frac{77777-7777-77-77-7-7-7}{7} = \frac{88888-8888-88-88-8-8-8}{8} = \frac{99999-9999-99-99-9-9-9}{9} \\ \\ \textcolor{red}{99975} &:= \frac{111111-11111-11-11-1-1-1}{1} = \frac{222222-22222-22-22-2-2-2}{2} = \frac{333333-33333-33-33-3-3-3}{3} \\ &:= \frac{444444-44444-44-44-4-4-4}{4} = \frac{555555-55555-55-55-5-5-5}{5} = \frac{666666-66666-66-66-6-6-6}{6} \\ &:= \frac{777777-77777-77-77-7-7-7}{7} = \frac{888888-88888-88-88-8-8-8}{8} = \frac{999999-99999-99-99-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{76} &:= \frac{111-11-11-11-1-1}{1} = \frac{222-22-22-22-2-2}{2} = \frac{333-33-33-33-3-3}{3} \\ &:= \frac{444-44-44-44-4-4}{4} = \frac{555-55-55-55-5-5}{5} = \frac{666-66-66-66-6-6}{6} \\ &:= \frac{777-77-77-77-7-7}{7} = \frac{888-88-88-88-8-8}{8} = \frac{999-99-99-99-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{976} &:= \frac{1111-111-11-11-1-1}{1} = \frac{2222-222-22-22-2-2}{2} = \frac{3333-333-33-33-3-3}{3} \\ &:= \frac{4444-444-44-44-4-4}{4} = \frac{5555-555-55-55-5-5}{5} = \frac{6666-666-66-66-6-6}{6} \\ &:= \frac{7777-777-77-77-7-7}{7} = \frac{8888-888-88-88-8-8}{8} = \frac{9999-999-99-99-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9976} &:= \frac{11111-1111-11-11-1-1}{1} = \frac{22222-2222-22-22-2-2}{2} = \frac{33333-3333-33-33-3-3}{3} \\ &:= \frac{44444-4444-44-44-4-4}{4} = \frac{55555-5555-55-55-5-5}{5} = \frac{66666-6666-66-66-6-6}{6} \\ &:= \frac{77777-7777-77-77-7-7}{7} = \frac{88888-8888-88-88-8-8}{8} = \frac{99999-9999-99-99-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99976} &:= \frac{111111-11111-11-11-1-1}{1} = \frac{222222-22222-22-22-2-2}{2} = \frac{333333-33333-33-33-3-3}{3} \\ &:= \frac{444444-44444-44-44-4-4}{4} = \frac{555555-55555-55-55-5-5}{5} = \frac{666666-66666-66-66-6-6}{6} \\ &:= \frac{777777-77777-77-77-7-7}{7} = \frac{888888-88888-88-88-8-8}{8} = \frac{999999-99999-99-99-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{77} &:= \frac{111-11-11-11-1}{1} = \frac{222-22-22-22-2}{2} = \frac{333-33-33-33-3}{3} \\ &:= \frac{444-44-44-44-4}{4} = \frac{555-55-55-55-5}{5} = \frac{666-66-66-66-6}{6} \\ &:= \frac{777-77-77-77-7}{7} = \frac{888-88-88-88-8}{8} = \frac{999-99-99-99-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{977} &:= \frac{1111-111-11-11-1}{1} = \frac{2222-222-22-22-2}{2} = \frac{3333-333-33-33-3}{3} \end{aligned}$$

$$\begin{aligned}
 &:= \frac{4444 - 444 - 44 - 44 - 4}{4} = \frac{5555 - 555 - 55 - 55 - 5}{5} = \frac{6666 - 666 - 66 - 66 - 6}{6} \\
 &:= \frac{7777 - 777 - 77 - 77 - 7}{7} = \frac{8888 - 888 - 88 - 88 - 8}{8} = \frac{9999 - 999 - 99 - 99 - 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{9977} &:= \frac{11111 - 1111 - 11 - 11 - 1}{1} = \frac{22222 - 2222 - 22 - 22 - 2}{2} = \frac{33333 - 3333 - 33 - 33 - 3}{3} \\
 &:= \frac{44444 - 4444 - 44 - 44 - 4}{4} = \frac{55555 - 5555 - 55 - 55 - 5}{5} = \frac{66666 - 6666 - 66 - 66 - 6}{6} \\
 &:= \frac{77777 - 7777 - 77 - 77 - 7}{7} = \frac{88888 - 8888 - 88 - 88 - 8}{8} = \frac{99999 - 9999 - 99 - 99 - 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{99977} &:= \frac{111111 - 11111 - 11 - 11 - 1}{1} = \frac{222222 - 22222 - 22 - 22 - 2}{2} = \frac{333333 - 33333 - 33 - 33 - 3}{3} \\
 &:= \frac{444444 - 44444 - 44 - 44 - 4}{4} = \frac{555555 - 55555 - 55 - 55 - 5}{5} = \frac{666666 - 66666 - 66 - 66 - 6}{6} \\
 &:= \frac{777777 - 77777 - 77 - 77 - 7}{7} = \frac{888888 - 88888 - 88 - 88 - 8}{8} = \frac{999999 - 99999 - 99 - 99 - 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{78} &:= \frac{111 - 11 - 11 - 11}{1} = \frac{222 - 22 - 22 - 22}{2} = \frac{333 - 33 - 33 - 33}{3} \\
 &:= \frac{444 - 44 - 44 - 44}{4} = \frac{555 - 55 - 55 - 55}{5} = \frac{666 - 66 - 66 - 66}{6} \\
 &:= \frac{777 - 77 - 77 - 77}{7} = \frac{888 - 88 - 88 - 88}{8} = \frac{999 - 99 - 99 - 99}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{978} &:= \frac{1111 - 111 - 11 - 11}{1} = \frac{2222 - 222 - 22 - 22}{2} = \frac{3333 - 333 - 33 - 33}{3} \\
 &:= \frac{4444 - 444 - 44 - 44}{4} = \frac{5555 - 555 - 55 - 55}{5} = \frac{6666 - 666 - 66 - 66}{6} \\
 &:= \frac{7777 - 777 - 77 - 77}{7} = \frac{8888 - 888 - 88 - 88}{8} = \frac{9999 - 999 - 99 - 99}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{9978} &:= \frac{11111 - 1111 - 11 - 11}{1} = \frac{22222 - 2222 - 22 - 22}{2} = \frac{33333 - 3333 - 33 - 33}{3} \\
 &:= \frac{44444 - 4444 - 44 - 44}{4} = \frac{55555 - 5555 - 55 - 55}{5} = \frac{66666 - 6666 - 66 - 66}{6} \\
 &:= \frac{77777 - 7777 - 77 - 77}{7} = \frac{88888 - 8888 - 88 - 88}{8} = \frac{99999 - 9999 - 99 - 99}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{99978} &:= \frac{111111 - 11111 - 11 - 11}{1} = \frac{222222 - 22222 - 22 - 22}{2} = \frac{333333 - 33333 - 33 - 33}{3} \\
 &:= \frac{444444 - 44444 - 44 - 44}{4} = \frac{555555 - 55555 - 55 - 55}{5} = \frac{666666 - 66666 - 66 - 66}{6} \\
 &:= \frac{777777 - 77777 - 77 - 77}{7} = \frac{888888 - 88888 - 88 - 88}{8} = \frac{999999 - 99999 - 99 - 99}{9}
 \end{aligned}$$

► **79** := $\frac{111 - 11 - 11 - 11 + 1}{1} = \frac{222 - 22 - 22 - 22 + 2}{2} = \frac{333 - 33 - 33 - 33 + 3}{3}$
:= $\frac{444 - 44 - 44 - 44 + 4}{4} = \frac{555 - 55 - 55 - 55 + 5}{5} = \frac{666 - 66 - 66 - 66 + 6}{6}$
:= $\frac{777 - 77 - 77 - 77 + 7}{7} = \frac{888 - 88 - 88 - 88 + 8}{8} = \frac{999 - 99 - 99 - 99 + 9}{9}$

979 := $\frac{1111 - 111 - 11 - 11 + 1}{1} = \frac{2222 - 222 - 22 - 22 + 2}{2} = \frac{3333 - 333 - 33 - 33 + 3}{3}$
:= $\frac{4444 - 444 - 44 - 44 + 4}{4} = \frac{5555 - 555 - 55 - 55 + 5}{5} = \frac{6666 - 666 - 66 - 66 + 6}{6}$
:= $\frac{7777 - 777 - 77 - 77 + 7}{7} = \frac{8888 - 888 - 88 - 88 + 8}{8} = \frac{9999 - 999 - 99 - 99 + 9}{9}$

9979 := $\frac{11111 - 1111 - 11 - 11 + 1}{1} = \frac{22222 - 2222 - 22 - 22 + 2}{2} = \frac{33333 - 3333 - 33 - 33 + 3}{3}$
:= $\frac{44444 - 4444 - 44 - 44 + 4}{4} = \frac{55555 - 5555 - 55 - 55 + 5}{5} = \frac{66666 - 6666 - 66 - 66 + 6}{6}$
:= $\frac{77777 - 7777 - 77 - 77 + 7}{7} = \frac{88888 - 8888 - 88 - 88 + 8}{8} = \frac{99999 - 9999 - 99 - 99 + 9}{9}$

99979 := $\frac{111111 - 11111 - 11 - 11 + 1}{1} = \frac{222222 - 22222 - 22 - 22 + 2}{2} = \frac{333333 - 33333 - 33 - 33 + 3}{3}$
:= $\frac{444444 - 44444 - 44 - 44 + 4}{4} = \frac{555555 - 55555 - 55 - 55 + 5}{5} = \frac{666666 - 66666 - 66 - 66 + 6}{6}$
:= $\frac{777777 - 77777 - 77 - 77 + 7}{7} = \frac{888888 - 88888 - 88 - 88 + 8}{8} = \frac{999999 - 99999 - 99 - 99 + 9}{9}$

► **80** := $\frac{111 - 11 - 11 - 11 + 1 + 1}{1} = \frac{222 - 22 - 22 - 22 + 2 + 2}{2} = \frac{333 - 33 - 33 - 33 + 3 + 3}{3}$
:= $\frac{444 - 44 - 44 - 44 + 4 + 4}{4} = \frac{555 - 55 - 55 - 55 + 5 + 5}{5} = \frac{666 - 66 - 66 - 66 + 6 + 6}{6}$
:= $\frac{777 - 77 - 77 - 77 + 7 + 7}{7} = \frac{888 - 88 - 88 - 88 + 8 + 8}{8} = \frac{999 - 99 - 99 - 99 + 9 + 9}{9}$

980 := $\frac{1111 - 111 - 11 - 11 + 1 + 1}{1} = \frac{2222 - 222 - 22 - 22 + 2 + 2}{2} = \frac{3333 - 333 - 33 - 33 + 3 + 3}{3}$
:= $\frac{4444 - 444 - 44 - 44 + 4 + 4}{4} = \frac{5555 - 555 - 55 - 55 + 5 + 5}{5} = \frac{6666 - 666 - 66 - 66 + 6 + 6}{6}$
:= $\frac{7777 - 777 - 77 - 77 + 7 + 7}{7} = \frac{8888 - 888 - 88 - 88 + 8 + 8}{8} = \frac{9999 - 999 - 99 - 99 + 9 + 9}{9}$

9980 := $\frac{11111 - 1111 - 11 - 11 + 1 + 1}{1} = \frac{22222 - 2222 - 22 - 22 + 2 + 2}{2} = \frac{33333 - 3333 - 33 - 33 + 3 + 3}{3}$
:= $\frac{44444 - 4444 - 44 - 44 + 4 + 4}{4} = \frac{55555 - 5555 - 55 - 55 + 5 + 5}{5} = \frac{66666 - 6666 - 66 - 66 + 6 + 6}{6}$
:= $\frac{77777 - 7777 - 77 - 77 + 7 + 7}{7} = \frac{88888 - 8888 - 88 - 88 + 8 + 8}{8} = \frac{99999 - 9999 - 99 - 99 + 9 + 9}{9}$

$$\begin{aligned} \mathbf{99980} &:= \frac{111111 - 11111 - 11 - 11 + 1 + 1}{1} = \frac{222222 - 22222 - 22 - 22 + 2 + 2}{2} = \frac{333333 - 33333 - 33 - 33 + 3 + 3}{3} \\ &:= \frac{444444 - 44444 - 44 - 44 + 4 + 4}{4} = \frac{555555 - 55555 - 55 - 55 + 5 + 5}{5} = \frac{666666 - 66666 - 66 - 66 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 77 - 77 + 7 + 7}{7} = \frac{888888 - 88888 - 88 - 88 + 8 + 8}{8} = \frac{999999 - 99999 - 99 - 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{81} &:= \frac{(11 - 1 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(22 - 2 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(33 - 3 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(44 - 4 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(55 - 5 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(66 - 6 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(77 - 7 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(88 - 8 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(99 - 9 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{981} &:= \frac{(111 - 1 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(222 - 2 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(333 - 3 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444 - 4 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(555 - 5 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(666 - 6 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777 - 7 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(888 - 8 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(999 - 9 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{9981} &:= \frac{(1111 - 1 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(2222 - 2 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(3333 - 3 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(4444 - 4 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(5555 - 5 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(6666 - 6 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(7777 - 7 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(8888 - 8 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(9999 - 9 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{99981} &:= \frac{(11111 - 1 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(22222 - 2 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(33333 - 3 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(44444 - 4 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(55555 - 5 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(66666 - 6 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(77777 - 7 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(88888 - 8 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(99999 - 9 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{82} &:= \frac{(11 - 1 - 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7) \times (77 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8) \times (88 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9) \times (99 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\mathbf{982} := \frac{(11 - 1 - 1) \times (111 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2) \times (222 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3) \times (333 - 3 - 3) + 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44-4-4) \times (444-4-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5) \times (555-5-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6) \times (666-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7) \times (777-7-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8) \times (888-8-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9) \times (999-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{9982} &:= \frac{(11-1-1) \times (1111-1-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2) \times (2222-2-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3) \times (3333-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4) \times (4444-4-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5) \times (5555-5-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6) \times (6666-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7) \times (7777-7-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8) \times (8888-8-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9) \times (9999-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{99982} &:= \frac{(11-1-1) \times (11111-1-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2) \times (22222-2-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3) \times (33333-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4) \times (44444-4-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5) \times (55555-5-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6) \times (66666-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7) \times (77777-7-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8) \times (88888-8-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9) \times (99999-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{83} &:= \frac{(11-1-1) \times (11-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(22-2-2) \times (22-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(33-3-3) \times (33-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (44-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(55-5-5) \times (55-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(66-6-6) \times (66-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (77-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(88-8-8) \times (88-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(99-9-9) \times (99-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{983} &:= \frac{(11-1-1) \times (111-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(22-2-2) \times (222-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(33-3-3) \times (333-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (444-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(55-5-5) \times (555-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(66-6-6) \times (666-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (777-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(88-8-8) \times (888-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(99-9-9) \times (999-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{9983} &:= \frac{(11-1-1) \times (1111-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(22-2-2) \times (2222-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(33-3-3) \times (3333-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (4444-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(55-5-5) \times (5555-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(66-6-6) \times (6666-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (7777-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(88-8-8) \times (8888-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(99-9-9) \times (9999-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{99983} &:= \frac{(11-1-1) \times (11111-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(22-2-2) \times (22222-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(33-3-3) \times (33333-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (44444-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(55-5-5) \times (55555-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(66-6-6) \times (66666-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (77777-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(88-8-8) \times (88888-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(99-9-9) \times (99999-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 84 &:= \frac{(11-1-1-1-1) \times (11+1)}{1 \times 1} = \frac{(22-2-2-2-2) \times (22+2)}{2 \times 2} = \frac{(33-3-3-3-3) \times (33+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (44+4)}{4 \times 4} = \frac{(55-5-5-5-5) \times (55+5)}{5 \times 5} = \frac{(66-6-6-6-6) \times (66+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (77+7)}{7 \times 7} = \frac{(88-8-8-8-8) \times (88+8)}{8 \times 8} = \frac{(99-9-9-9-9) \times (99+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 784 &:= \frac{(11-1-1-1-1) \times (111+1)}{1 \times 1} = \frac{(22-2-2-2-2) \times (222+2)}{2 \times 2} = \frac{(33-3-3-3-3) \times (333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444+4)}{4 \times 4} = \frac{(55-5-5-5-5) \times (555+5)}{5 \times 5} = \frac{(66-6-6-6-6) \times (666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777+7)}{7 \times 7} = \frac{(88-8-8-8-8) \times (888+8)}{8 \times 8} = \frac{(99-9-9-9-9) \times (999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 7784 &:= \frac{(11-1-1-1-1) \times (1111+1)}{1 \times 1} = \frac{(22-2-2-2-2) \times (2222+2)}{2 \times 2} = \frac{(33-3-3-3-3) \times (3333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (4444+4)}{4 \times 4} = \frac{(55-5-5-5-5) \times (5555+5)}{5 \times 5} = \frac{(66-6-6-6-6) \times (6666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (7777+7)}{7 \times 7} = \frac{(88-8-8-8-8) \times (8888+8)}{8 \times 8} = \frac{(99-9-9-9-9) \times (9999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 77784 &:= \frac{(11-1-1-1-1) \times (11111+1)}{1 \times 1} = \frac{(22-2-2-2-2) \times (22222+2)}{2 \times 2} = \frac{(33-3-3-3-3) \times (33333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (44444+4)}{4 \times 4} = \frac{(55-5-5-5-5) \times (55555+5)}{5 \times 5} = \frac{(66-6-6-6-6) \times (66666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (77777+7)}{7 \times 7} = \frac{(88-8-8-8-8) \times (88888+8)}{8 \times 8} = \frac{(99-9-9-9-9) \times (99999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 85 &:= \frac{111-11-11-1-1-1-1}{1} = \frac{222-22-22-2-2-2-2}{2} = \frac{333-33-33-3-3-3-3}{3} \\ &:= \frac{444-44-44-4-4-4-4}{4} = \frac{555-55-55-5-5-5-5}{5} = \frac{666-66-66-6-6-6-6}{6} \\ &:= \frac{777-77-77-7-7-7-7}{7} = \frac{888-88-88-8-8-8-8}{8} = \frac{999-99-99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 985 &:= \frac{1111-111-11-1-1-1-1}{1} = \frac{2222-222-22-2-2-2-2}{2} = \frac{3333-333-33-3-3-3-3}{3} \\ &:= \frac{4444-444-44-4-4-4-4}{4} = \frac{5555-555-55-5-5-5-5}{5} = \frac{6666-666-66-6-6-6-6}{6} \\ &:= \frac{7777-777-77-7-7-7-7}{7} = \frac{8888-888-88-8-8-8-8}{8} = \frac{9999-999-99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 9985 &:= \frac{11111-1111-11-1-1-1-1}{1} = \frac{22222-2222-22-2-2-2-2}{2} = \frac{33333-3333-33-3-3-3-3}{3} \\ &:= \frac{44444-4444-44-4-4-4-4}{4} = \frac{55555-5555-55-5-5-5-5}{5} = \frac{66666-6666-66-6-6-6-6}{6} \\ &:= \frac{77777-7777-77-7-7-7-7}{7} = \frac{88888-8888-88-8-8-8-8}{8} = \frac{99999-9999-99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 99985 &:= \frac{111111 - 11111 - 11 - 1 - 1 - 1 - 1}{1} = \frac{222222 - 22222 - 22 - 2 - 2 - 2 - 2}{2} = \frac{333333 - 33333 - 33 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{444444 - 44444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{555555 - 55555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{666666 - 66666 - 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{888888 - 88888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{999999 - 99999 - 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 86 &:= \frac{(11 - 1 - 1 - 1) \times 11 - (1 + 1) \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times 22 - (2 + 2) \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times 33 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times 44 - (4 + 4) \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5) \times 55 - (5 + 5) \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6) \times 66 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times 77 - (7 + 7) \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8) \times 88 - (8 + 8) \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9) \times 99 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 886 &:= \frac{(11 - 1 - 1 - 1) \times 111 - (1 + 1) \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times 222 - (2 + 2) \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times 333 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times 444 - (4 + 4) \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5) \times 555 - (5 + 5) \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6) \times 666 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times 777 - (7 + 7) \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8) \times 888 - (8 + 8) \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9) \times 999 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 8886 &:= \frac{(11 - 1 - 1 - 1) \times 1111 - (1 + 1) \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times 2222 - (2 + 2) \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times 3333 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times 4444 - (4 + 4) \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5) \times 5555 - (5 + 5) \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6) \times 6666 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times 7777 - (7 + 7) \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8) \times 8888 - (8 + 8) \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9) \times 9999 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 88886 &:= \frac{(11 - 1 - 1 - 1) \times 11111 - (1 + 1) \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times 22222 - (2 + 2) \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times 33333 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times 44444 - (4 + 4) \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5) \times 55555 - (5 + 5) \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6) \times 66666 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times 77777 - (7 + 7) \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8) \times 88888 - (8 + 8) \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9) \times 99999 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 87 &:= \frac{(11 - 1 - 1 - 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$887 := \frac{(11 - 1 - 1 - 1) \times 111 - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times 222 - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times 333 - 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44-4-4-4) \times 444 - 4 \times 4}{4 \times 4} = \frac{(55-5-5-5) \times 555 - 5 \times 5}{5 \times 5} = \frac{(66-6-6-6) \times 666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times 777 - 7 \times 7}{7 \times 7} = \frac{(88-8-8-8) \times 888 - 8 \times 8}{8 \times 8} = \frac{(99-9-9-9) \times 999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{8887} &:= \frac{(11-1-1-1) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(22-2-2-2) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(33-3-3-3) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(55-5-5-5) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(66-6-6-6) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(88-8-8-8) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(99-9-9-9) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{88887} &:= \frac{(11-1-1-1) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(22-2-2-2) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(33-3-3-3) \times 33333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(55-5-5-5) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(66-6-6-6) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(88-8-8-8) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(99-9-9-9) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{88} &:= \frac{111-11-11-1}{1} = \frac{222-22-22-2}{2} = \frac{333-33-33-3}{3} \\ &:= \frac{444-44-44-4}{4} = \frac{555-55-55-5}{5} = \frac{666-66-66-6}{6} \\ &:= \frac{777-77-77-7}{7} = \frac{888-88-88-8}{8} = \frac{999-99-99-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{988} &:= \frac{1111-111-11-1}{1} = \frac{2222-222-22-2}{2} = \frac{3333-333-33-3}{3} \\ &:= \frac{4444-444-44-4}{4} = \frac{5555-555-55-5}{5} = \frac{6666-666-66-6}{6} \\ &:= \frac{7777-777-77-7}{7} = \frac{8888-888-88-8}{8} = \frac{9999-999-99-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{9988} &:= \frac{11111-1111-11-1}{1} = \frac{22222-2222-22-2}{2} = \frac{33333-3333-33-3}{3} \\ &:= \frac{44444-4444-44-4}{4} = \frac{55555-5555-55-5}{5} = \frac{66666-6666-66-6}{6} \\ &:= \frac{77777-7777-77-7}{7} = \frac{88888-8888-88-8}{8} = \frac{99999-9999-99-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{999988} &:= \frac{111111-11111-11-1}{1} = \frac{222222-22222-22-2}{2} = \frac{333333-33333-33-3}{3} \\ &:= \frac{444444-44444-44-4}{4} = \frac{555555-55555-55-5}{5} = \frac{666666-66666-66-6}{6} \\ &:= \frac{777777-77777-77-7}{7} = \frac{888888-88888-88-8}{8} = \frac{999999-99999-99-9}{9} \end{aligned}$$

►

89

$$:= \frac{111 - 11 - 11}{1} = \frac{222 - 22 - 22}{2} = \frac{333 - 33 - 33}{3}$$

$$:= \frac{444 - 44 - 44}{4} = \frac{555 - 55 - 55}{5} = \frac{666 - 66 - 66}{6}$$

$$:= \frac{777 - 77 - 77}{7} = \frac{888 - 88 - 88}{8} = \frac{999 - 99 - 99}{9}$$

989

$$:= \frac{1111 - 111 - 11}{1} = \frac{2222 - 222 - 22}{2} = \frac{3333 - 333 - 33}{3}$$

$$:= \frac{4444 - 444 - 44}{4} = \frac{5555 - 555 - 55}{5} = \frac{6666 - 666 - 66}{6}$$

$$:= \frac{7777 - 777 - 77}{7} = \frac{8888 - 888 - 88}{8} = \frac{9999 - 999 - 99}{9}$$

9989

$$:= \frac{11111 - 1111 - 11}{1} = \frac{22222 - 2222 - 22}{2} = \frac{33333 - 3333 - 33}{3}$$

$$:= \frac{44444 - 4444 - 44}{4} = \frac{55555 - 5555 - 55}{5} = \frac{66666 - 6666 - 66}{6}$$

$$:= \frac{77777 - 7777 - 77}{7} = \frac{88888 - 8888 - 88}{8} = \frac{99999 - 9999 - 99}{9}$$

999989

$$:= \frac{111111 - 11111 - 11}{1} = \frac{222222 - 22222 - 22}{2} = \frac{333333 - 33333 - 33}{3}$$

$$:= \frac{444444 - 44444 - 44}{4} = \frac{555555 - 55555 - 55}{5} = \frac{666666 - 66666 - 66}{6}$$

$$:= \frac{777777 - 77777 - 77}{7} = \frac{888888 - 88888 - 88}{8} = \frac{999999 - 99999 - 99}{9}$$

►

90

$$:= \frac{111 - 11 - 11 + 1}{1} = \frac{222 - 22 - 22 + 2}{2} = \frac{333 - 33 - 33 + 3}{3}$$

$$:= \frac{444 - 44 - 44 + 4}{4} = \frac{555 - 55 - 55 + 5}{5} = \frac{666 - 66 - 66 + 6}{6}$$

$$:= \frac{777 - 77 - 77 + 7}{7} = \frac{888 - 88 - 88 + 8}{8} = \frac{999 - 99 - 99 + 9}{9}$$

990

$$:= \frac{1111 - 111 - 11 + 1}{1} = \frac{2222 - 222 - 22 + 2}{2} = \frac{3333 - 333 - 33 + 3}{3}$$

$$:= \frac{4444 - 444 - 44 + 4}{4} = \frac{5555 - 555 - 55 + 5}{5} = \frac{6666 - 666 - 66 + 6}{6}$$

$$:= \frac{7777 - 777 - 77 + 7}{7} = \frac{8888 - 888 - 88 + 8}{8} = \frac{9999 - 999 - 99 + 9}{9}$$

9990

$$:= \frac{11111 - 1111 - 11 + 1}{1} = \frac{22222 - 2222 - 22 + 2}{2} = \frac{33333 - 3333 - 33 + 3}{3}$$

$$:= \frac{44444 - 4444 - 44 + 4}{4} = \frac{55555 - 5555 - 55 + 5}{5} = \frac{66666 - 6666 - 66 + 6}{6}$$

$$:= \frac{77777 - 7777 - 77 + 7}{7} = \frac{88888 - 8888 - 88 + 8}{8} = \frac{99999 - 9999 - 99 + 9}{9}$$

999990 :=
$$\frac{111111-11111-11+1}{1} = \frac{222222-22222-22+2}{2} = \frac{333333-33333-33+3}{3}$$
$$:= \frac{444444-44444-44+4}{4} = \frac{555555-55555-55+5}{5} = \frac{666666-66666-66+6}{6}$$
$$:= \frac{777777-77777-77+7}{7} = \frac{888888-88888-88+8}{8} = \frac{999999-99999-99+9}{9}$$

► **91** :=
$$\frac{111-11-11+1+1}{1} = \frac{222-22-22+2+2}{2} = \frac{333-33-33+3+3}{3}$$
$$:= \frac{444-44-44+4+4}{4} = \frac{555-55-55+5+5}{5} = \frac{666-66-66+6+6}{6}$$
$$:= \frac{777-77-77+7+7}{7} = \frac{888-88-88+8+8}{8} = \frac{999-99-99+9+9}{9}$$

991 :=
$$\frac{1111-111-11+1+1}{1} = \frac{2222-222-22+2+2}{2} = \frac{3333-333-33+3+3}{3}$$
$$:= \frac{4444-444-44+4+4}{4} = \frac{5555-555-55+5+5}{5} = \frac{6666-666-66+6+6}{6}$$
$$:= \frac{7777-777-77+7+7}{7} = \frac{8888-888-88+8+8}{8} = \frac{9999-999-99+9+9}{9}$$

9991 :=
$$\frac{11111-1111-11+1+1}{1} = \frac{22222-2222-22+2+2}{2} = \frac{33333-3333-33+3+3}{3}$$
$$:= \frac{44444-4444-44+4+4}{4} = \frac{55555-5555-55+5+5}{5} = \frac{66666-6666-66+6+6}{6}$$
$$:= \frac{77777-7777-77+7+7}{7} = \frac{88888-8888-88+8+8}{8} = \frac{99999-9999-99+9+9}{9}$$

99991 :=
$$\frac{111111-11111-11+1+1}{1} = \frac{222222-22222-22+2+2}{2} = \frac{333333-33333-33+3+3}{3}$$
$$:= \frac{444444-44444-44+4+4}{4} = \frac{555555-55555-55+5+5}{5} = \frac{666666-66666-66+6+6}{6}$$
$$:= \frac{777777-77777-77+7+7}{7} = \frac{888888-88888-88+8+8}{8} = \frac{999999-99999-99+9+9}{9}$$

► **92** :=
$$\frac{111-11-11+1+1+1}{1} = \frac{222-22-22+2+2+2}{2} = \frac{333-33-33+3+3+3}{3}$$
$$:= \frac{444-44-44+4+4+4}{4} = \frac{555-55-55+5+5+5}{5} = \frac{666-66-66+6+6+6}{6}$$
$$:= \frac{777-77-77+7+7+7}{7} = \frac{888-88-88+8+8+8}{8} = \frac{999-99-99+9+9+9}{9}$$

992 :=
$$\frac{1111-111-11+1+1+1}{1} = \frac{2222-222-22+2+2+2}{2} = \frac{3333-333-33+3+3+3}{3}$$
$$:= \frac{4444-444-44+4+4+4}{4} = \frac{5555-555-55+5+5+5}{5} = \frac{6666-666-66+6+6+6}{6}$$

$$:= \frac{7777 - 777 - 77 + 7 + 7 + 7}{7} = \frac{8888 - 888 - 88 + 8 + 8 + 8}{8} = \frac{9999 - 999 - 99 + 9 + 9 + 9}{9}$$

9992

$$:= \frac{11111 - 1111 - 11 + 1 + 1 + 1}{1} = \frac{22222 - 2222 - 22 + 2 + 2 + 2}{2} = \frac{33333 - 3333 - 33 + 3 + 3 + 3}{3}$$

$$:= \frac{44444 - 4444 - 44 + 4 + 4 + 4}{4} = \frac{55555 - 5555 - 55 + 5 + 5 + 5}{5} = \frac{66666 - 6666 - 66 + 6 + 6 + 6}{6}$$

$$:= \frac{77777 - 7777 - 77 + 7 + 7 + 7}{7} = \frac{88888 - 8888 - 88 + 8 + 8 + 8}{8} = \frac{99999 - 9999 - 99 + 9 + 9 + 9}{9}$$

99992

$$:= \frac{111111 - 11111 - 11 + 1 + 1 + 1}{1} = \frac{222222 - 22222 - 22 + 2 + 2 + 2}{2} = \frac{333333 - 33333 - 33 + 3 + 3 + 3}{3}$$

$$:= \frac{444444 - 44444 - 44 + 4 + 4 + 4}{4} = \frac{555555 - 55555 - 55 + 5 + 5 + 5}{5} = \frac{666666 - 66666 - 66 + 6 + 6 + 6}{6}$$

$$:= \frac{777777 - 77777 - 77 + 7 + 7 + 7}{7} = \frac{888888 - 88888 - 88 + 8 + 8 + 8}{8} = \frac{999999 - 99999 - 99 + 9 + 9 + 9}{9}$$

►

93

$$:= \frac{111 - 11 - 11 + 1 + 1 + 1 + 1}{1} = \frac{222 - 22 - 22 + 2 + 2 + 2 + 2}{2} = \frac{333 - 33 - 33 + 3 + 3 + 3 + 3}{3}$$

$$:= \frac{444 - 44 - 44 + 4 + 4 + 4 + 4}{4} = \frac{555 - 55 - 55 + 5 + 5 + 5 + 5}{5} = \frac{666 - 66 - 66 + 6 + 6 + 6 + 6}{6}$$

$$:= \frac{777 - 77 - 77 + 7 + 7 + 7 + 7}{7} = \frac{888 - 88 - 88 + 8 + 8 + 8 + 8}{8} = \frac{999 - 99 - 99 + 9 + 9 + 9 + 9}{9}$$

993

$$:= \frac{1111 - 111 - 11 + 1 + 1 + 1 + 1}{1} = \frac{2222 - 222 - 22 + 2 + 2 + 2 + 2}{2} = \frac{3333 - 333 - 33 + 3 + 3 + 3 + 3}{3}$$

$$:= \frac{4444 - 444 - 44 + 4 + 4 + 4 + 4}{4} = \frac{5555 - 555 - 55 + 5 + 5 + 5 + 5}{5} = \frac{6666 - 666 - 66 + 6 + 6 + 6 + 6}{6}$$

$$:= \frac{7777 - 777 - 77 + 7 + 7 + 7 + 7}{7} = \frac{8888 - 888 - 88 + 8 + 8 + 8 + 8}{8} = \frac{9999 - 999 - 99 + 9 + 9 + 9 + 9}{9}$$

9993

$$:= \frac{11111 - 1111 - 11 + 1 + 1 + 1 + 1}{1} = \frac{22222 - 2222 - 22 + 2 + 2 + 2 + 2}{2} = \frac{33333 - 3333 - 33 + 3 + 3 + 3 + 3}{3}$$

$$:= \frac{44444 - 4444 - 44 + 4 + 4 + 4 + 4}{4} = \frac{55555 - 5555 - 55 + 5 + 5 + 5 + 5}{5} = \frac{66666 - 6666 - 66 + 6 + 6 + 6 + 6}{6}$$

$$:= \frac{77777 - 7777 - 77 + 7 + 7 + 7 + 7}{7} = \frac{88888 - 8888 - 88 + 8 + 8 + 8 + 8}{8} = \frac{99999 - 9999 - 99 + 9 + 9 + 9 + 9}{9}$$

99993

$$:= \frac{111111 - 11111 - 11 + 1 + 1 + 1 + 1}{1} = \frac{222222 - 22222 - 22 + 2 + 2 + 2 + 2}{2} = \frac{333333 - 33333 - 33 + 3 + 3 + 3 + 3}{3}$$

$$:= \frac{444444 - 44444 - 44 + 4 + 4 + 4 + 4}{4} = \frac{555555 - 55555 - 55 + 5 + 5 + 5 + 5}{5} = \frac{666666 - 66666 - 66 + 6 + 6 + 6 + 6}{6}$$

$$:= \frac{777777 - 77777 - 77 + 7 + 7 + 7 + 7}{7} = \frac{888888 - 88888 - 88 + 8 + 8 + 8 + 8}{8} = \frac{999999 - 99999 - 99 + 9 + 9 + 9 + 9}{9}$$

►

94

$$:= \frac{111 - 11 - 1 - 1 - 1 - 1 - 1 - 1}{1} = \frac{222 - 22 - 2 - 2 - 2 - 2 - 2 - 2}{2} = \frac{333 - 33 - 3 - 3 - 3 - 3 - 3 - 3}{3}$$

$$\begin{aligned} &:= \frac{444-44-4-4-4-4-4-4}{4} = \frac{555-55-5-5-5-5-5-5}{5} = \frac{666-66-6-6-6-6-6-6}{6} \\ &:= \frac{777-77-7-7-7-7-7-7}{7} = \frac{888-88-8-8-8-8-8-8}{8} = \frac{999-99-9-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 994 &:= \frac{1111-111-1-1-1-1-1-1}{1} = \frac{2222-222-2-2-2-2-2-2}{2} = \frac{3333-333-3-3-3-3-3-3}{3} \\ &:= \frac{4444-444-4-4-4-4-4-4}{4} = \frac{5555-555-5-5-5-5-5-5}{5} = \frac{6666-666-6-6-6-6-6-6}{6} \\ &:= \frac{7777-777-7-7-7-7-7-7}{7} = \frac{8888-888-8-8-8-8-8-8}{8} = \frac{9999-999-9-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 9994 &:= \frac{11111-1111-1-1-1-1-1-1}{1} = \frac{22222-2222-2-2-2-2-2-2}{2} = \frac{33333-3333-3-3-3-3-3-3}{3} \\ &:= \frac{44444-4444-4-4-4-4-4-4}{4} = \frac{55555-5555-5-5-5-5-5-5}{5} = \frac{66666-6666-6-6-6-6-6-6}{6} \\ &:= \frac{77777-7777-7-7-7-7-7-7}{7} = \frac{88888-8888-8-8-8-8-8-8}{8} = \frac{99999-9999-9-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 99994 &:= \frac{111111-11111-1-1-1-1-1-1}{1} = \frac{222222-22222-2-2-2-2-2-2}{2} = \frac{333333-33333-3-3-3-3-3-3}{3} \\ &:= \frac{444444-44444-4-4-4-4-4-4}{4} = \frac{555555-55555-5-5-5-5-5-5}{5} = \frac{666666-66666-6-6-6-6-6-6}{6} \\ &:= \frac{777777-77777-7-7-7-7-7-7}{7} = \frac{888888-88888-8-8-8-8-8-8}{8} = \frac{999999-99999-9-9-9-9-9-9}{9} \end{aligned}$$

►

$$\begin{aligned} 95 &:= \frac{111-11-1-1-1-1-1-1}{1} = \frac{222-22-2-2-2-2-2-2}{2} = \frac{333-33-3-3-3-3-3-3}{3} \\ &:= \frac{444-44-4-4-4-4-4-4}{4} = \frac{555-55-5-5-5-5-5-5}{5} = \frac{666-66-6-6-6-6-6-6}{6} \\ &:= \frac{777-77-7-7-7-7-7-7}{7} = \frac{888-88-8-8-8-8-8-8}{8} = \frac{999-99-9-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 995 &:= \frac{1111-111-1-1-1-1-1-1}{1} = \frac{2222-222-2-2-2-2-2-2}{2} = \frac{3333-333-3-3-3-3-3-3}{3} \\ &:= \frac{4444-444-4-4-4-4-4-4}{4} = \frac{5555-555-5-5-5-5-5-5}{5} = \frac{6666-666-6-6-6-6-6-6}{6} \\ &:= \frac{7777-777-7-7-7-7-7-7}{7} = \frac{8888-888-8-8-8-8-8-8}{8} = \frac{9999-999-9-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} 9995 &:= \frac{11111-1111-1-1-1-1-1-1}{1} = \frac{22222-2222-2-2-2-2-2-2}{2} = \frac{33333-3333-3-3-3-3-3-3}{3} \\ &:= \frac{44444-4444-4-4-4-4-4-4}{4} = \frac{55555-5555-5-5-5-5-5-5}{5} = \frac{66666-6666-6-6-6-6-6-6}{6} \\ &:= \frac{77777-7777-7-7-7-7-7-7}{7} = \frac{88888-8888-8-8-8-8-8-8}{8} = \frac{99999-9999-9-9-9-9-9-9}{9} \end{aligned}$$

99995

:=

$$\frac{111111-11111-1-1-1-1-1}{1} = \frac{222222-22222-2-2-2-2-2}{2} = \frac{333333-33333-3-3-3-3-3}{3}$$
$$:= \frac{444444-44444-4-4-4-4-4}{4} = \frac{555555-55555-5-5-5-5-5}{5} = \frac{666666-66666-6-6-6-6-6}{6}$$
$$:= \frac{777777-77777-7-7-7-7-7}{7} = \frac{888888-88888-8-8-8-8-8}{8} = \frac{999999-99999-9-9-9-9-9}{9}$$

► 96

:=

$$\frac{111-11-1-1-1-1}{1} = \frac{222-22-2-2-2-2}{2} = \frac{333-33-3-3-3-3}{3}$$
$$:= \frac{444-44-4-4-4-4}{4} = \frac{555-55-5-5-5-5}{5} = \frac{666-66-6-6-6-6}{6}$$
$$:= \frac{777-77-7-7-7-7}{7} = \frac{888-88-8-8-8-8}{8} = \frac{999-99-9-9-9-9}{9}$$

996

:=

$$\frac{1111-111-1-1-1-1}{1} = \frac{2222-222-2-2-2-2}{2} = \frac{3333-333-3-3-3-3}{3}$$
$$:= \frac{4444-444-4-4-4-4}{4} = \frac{5555-555-5-5-5-5}{5} = \frac{6666-666-6-6-6-6}{6}$$
$$:= \frac{7777-777-7-7-7-7}{7} = \frac{8888-888-8-8-8-8}{8} = \frac{9999-999-9-9-9-9}{9}$$

9996

:=

$$\frac{11111-1111-1-1-1-1}{1} = \frac{22222-2222-2-2-2-2}{2} = \frac{33333-3333-3-3-3-3}{3}$$
$$:= \frac{44444-4444-4-4-4-4}{4} = \frac{55555-5555-5-5-5-5}{5} = \frac{66666-6666-6-6-6-6}{6}$$
$$:= \frac{77777-7777-7-7-7-7}{7} = \frac{88888-8888-8-8-8-8}{8} = \frac{99999-9999-9-9-9-9}{9}$$

99996

:=

$$\frac{111111-11111-1-1-1-1}{1} = \frac{222222-22222-2-2-2-2}{2} = \frac{333333-33333-3-3-3-3}{3}$$
$$:= \frac{444444-44444-4-4-4-4}{4} = \frac{555555-55555-5-5-5-5}{5} = \frac{666666-66666-6-6-6-6}{6}$$
$$:= \frac{777777-77777-7-7-7-7}{7} = \frac{888888-88888-8-8-8-8}{8} = \frac{999999-99999-9-9-9-9}{9}$$

► 97

:=

$$\frac{111-11-1-1-1}{1} = \frac{222-22-2-2-2}{2} = \frac{333-33-3-3-3}{3}$$
$$:= \frac{444-44-4-4-4}{4} = \frac{555-55-5-5-5}{5} = \frac{666-66-6-6-6}{6}$$
$$:= \frac{777-77-7-7-7}{7} = \frac{888-88-8-8-8}{8} = \frac{999-99-9-9-9}{9}$$

997

:=

$$\frac{1111-111-1-1-1}{1} = \frac{2222-222-2-2-2}{2} = \frac{3333-333-3-3-3}{3}$$
$$:= \frac{4444-444-4-4-4}{4} = \frac{5555-555-5-5-5}{5} = \frac{6666-666-6-6-6}{6}$$

$$:= \frac{7777-777-7-7-7}{7} = \frac{8888-888-8-8-8}{8} = \frac{9999-999-9-9-9}{9}$$

9997
:=
$$\frac{11111-1111-1-1-1}{1} = \frac{22222-2222-2-2-2}{2} = \frac{33333-3333-3-3-3}{3}$$

$$:= \frac{44444-4444-4-4-4}{4} = \frac{55555-5555-5-5-5}{5} = \frac{66666-6666-6-6-6}{6}$$

$$:= \frac{77777-7777-7-7-7}{7} = \frac{88888-8888-8-8-8}{8} = \frac{99999-9999-9-9-9}{9}$$

99997
:=
$$\frac{111111-11111-1-1-1}{1} = \frac{222222-22222-2-2-2}{2} = \frac{333333-33333-3-3-3}{3}$$

$$:= \frac{444444-44444-4-4-4}{4} = \frac{555555-55555-5-5-5}{5} = \frac{666666-66666-6-6-6}{6}$$

$$:= \frac{777777-77777-7-7-7}{7} = \frac{888888-88888-8-8-8}{8} = \frac{999999-99999-9-9-9}{9}$$

▶
98
:=
$$\frac{111-11-1-1}{1} = \frac{222-22-2-2}{2} = \frac{333-33-3-3}{3}$$

$$:= \frac{444-44-4-4}{4} = \frac{555-55-5-5}{5} = \frac{666-66-6-6}{6}$$

$$:= \frac{777-77-7-7}{7} = \frac{888-88-8-8}{8} = \frac{999-99-9-9}{9}$$

998
:=
$$\frac{1111-111-1-1}{1} = \frac{2222-222-2-2}{2} = \frac{3333-333-3-3}{3}$$

$$:= \frac{4444-444-4-4}{4} = \frac{5555-555-5-5}{5} = \frac{6666-666-6-6}{6}$$

$$:= \frac{7777-777-7-7}{7} = \frac{8888-888-8-8}{8} = \frac{9999-999-9-9}{9}$$

9998
:=
$$\frac{11111-1111-1-1}{1} = \frac{22222-2222-2-2}{2} = \frac{33333-3333-3-3}{3}$$

$$:= \frac{44444-4444-4-4}{4} = \frac{55555-5555-5-5}{5} = \frac{66666-6666-6-6}{6}$$

$$:= \frac{77777-7777-7-7}{7} = \frac{88888-8888-8-8}{8} = \frac{99999-9999-9-9}{9}$$

99998
:=
$$\frac{111111-11111-1-1}{1} = \frac{222222-22222-2-2}{2} = \frac{333333-33333-3-3}{3}$$

$$:= \frac{444444-44444-4-4}{4} = \frac{555555-55555-5-5}{5} = \frac{666666-66666-6-6}{6}$$

$$:= \frac{777777-77777-7-7}{7} = \frac{888888-88888-8-8}{8} = \frac{999999-99999-9-9}{9}$$

▶
99
:=
$$\frac{111-11-1}{1} = \frac{222-22-2}{2} = \frac{333-33-3}{3} = \frac{444-44-4}{4} = \frac{555-55-5}{5} = \frac{666-66-6}{6}$$

$$\begin{aligned} &:= \frac{777-77-7}{7} = \frac{888-88-8}{8} = \frac{999-99-9}{9} \\ \\ \textcolor{red}{999} &:= \frac{1111-111-1}{1} = \frac{2222-222-2}{2} = \frac{3333-333-3}{3} = \frac{4444-444-4}{4} = \frac{5555-555-5}{5} = \frac{6666-666-6}{6} \\ &:= \frac{7777-777-7}{7} = \frac{8888-888-8}{8} = \frac{9999-999-9}{9} \\ \\ \textcolor{red}{9999} &:= \frac{11111-1111-1}{1} = \frac{22222-2222-2}{2} = \frac{33333-3333-3}{3} = \frac{44444-4444-4}{4} = \frac{55555-5555-5}{5} = \frac{66666-6666-6}{6} \\ &:= \frac{77777-7777-7}{7} = \frac{88888-8888-8}{8} = \frac{99999-9999-9}{9} \\ \\ \textcolor{red}{99999} &:= \frac{111111-11111-1}{1} = \frac{222222-22222-2}{2} = \frac{333333-33333-3}{3} = \frac{444444-44444-4}{4} = \frac{555555-55555-5}{5} = \frac{666666-66666-6}{6} \\ &:= \frac{777777-77777-7}{7} = \frac{888888-88888-8}{8} = \frac{999999-99999-9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{100} &:= \frac{111-11}{1} = \frac{222-22}{2} = \frac{333-33}{3} = \frac{444-44}{4} = \frac{555-55}{5} = \frac{666-66}{6} = \frac{777-77}{7} = \frac{888-88}{8} = \frac{999-99}{9} \\ \\ \textcolor{red}{1100} &:= \frac{1111-11}{1} = \frac{2222-22}{2} = \frac{3333-33}{3} = \frac{4444-44}{4} = \frac{5555-55}{5} = \frac{6666-66}{6} = \frac{7777-77}{7} = \frac{8888-88}{8} = \frac{9999-99}{9} \\ \\ \textcolor{red}{11100} &:= \frac{11111-11}{1} = \frac{22222-22}{2} = \frac{33333-33}{3} = \frac{44444-44}{4} = \frac{55555-55}{5} = \frac{66666-66}{6} = \frac{77777-77}{7} = \frac{88888-88}{8} = \frac{99999-99}{9} \\ \\ \textcolor{red}{111100} &:= \frac{111111-11}{1} = \frac{222222-22}{2} = \frac{333333-33}{3} = \frac{444444-44}{4} = \frac{555555-55}{5} = \frac{666666-66}{6} = \frac{777777-77}{7} = \frac{888888-88}{8} = \frac{999999-99}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{101} &:= \frac{111-11+1}{1} = \frac{222-22+2}{2} = \frac{333-33+3}{3} \\ &:= \frac{444-44+4}{4} = \frac{555-55+5}{5} = \frac{666-66+6}{6} \\ &:= \frac{777-77+7}{7} = \frac{888-88+8}{8} = \frac{999-99+9}{9} \\ \\ \textcolor{red}{1001} &:= \frac{1111-111+1}{1} = \frac{2222-222+2}{2} = \frac{3333-333+3}{3} \\ &:= \frac{4444-444+4}{4} = \frac{5555-555+5}{5} = \frac{6666-666+6}{6} \\ &:= \frac{7777-777+7}{7} = \frac{8888-888+8}{8} = \frac{9999-999+9}{9} \\ \\ \textcolor{red}{10001} &:= \frac{11111-1111+1}{1} = \frac{22222-2222+2}{2} = \frac{33333-3333+3}{3} \end{aligned}$$

$$\begin{aligned} &:= \frac{44444 - 4444 + 4}{4} = \frac{55555 - 5555 + 5}{5} = \frac{66666 - 6666 + 6}{6} \\ &:= \frac{77777 - 7777 + 7}{7} = \frac{88888 - 8888 + 8}{8} = \frac{99999 - 9999 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{100001} &:= \frac{111111 - 11111 + 1}{1} = \frac{222222 - 22222 + 2}{2} = \frac{333333 - 33333 + 3}{3} \\ &:= \frac{444444 - 44444 + 4}{4} = \frac{555555 - 55555 + 5}{5} = \frac{666666 - 66666 + 6}{6} \\ &:= \frac{777777 - 77777 + 7}{7} = \frac{888888 - 88888 + 8}{8} = \frac{999999 - 99999 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \textcolor{red}{102} &:= \frac{111 - 11 + 1 + 1}{1} = \frac{222 - 22 + 2 + 2}{2} = \frac{333 - 33 + 3 + 3}{3} \\ &:= \frac{444 - 44 + 4 + 4}{4} = \frac{555 - 55 + 5 + 5}{5} = \frac{666 - 66 + 6 + 6}{6} \\ &:= \frac{777 - 77 + 7 + 7}{7} = \frac{888 - 88 + 8 + 8}{8} = \frac{999 - 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1102} &:= \frac{1111 - 11 + 1 + 1}{1} = \frac{2222 - 22 + 2 + 2}{2} = \frac{3333 - 33 + 3 + 3}{3} \\ &:= \frac{4444 - 44 + 4 + 4}{4} = \frac{5555 - 55 + 5 + 5}{5} = \frac{6666 - 66 + 6 + 6}{6} \\ &:= \frac{7777 - 77 + 7 + 7}{7} = \frac{8888 - 88 + 8 + 8}{8} = \frac{9999 - 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11102} &:= \frac{11111 - 11 + 1 + 1}{1} = \frac{22222 - 22 + 2 + 2}{2} = \frac{33333 - 33 + 3 + 3}{3} \\ &:= \frac{44444 - 44 + 4 + 4}{4} = \frac{55555 - 55 + 5 + 5}{5} = \frac{66666 - 66 + 6 + 6}{6} \\ &:= \frac{77777 - 77 + 7 + 7}{7} = \frac{88888 - 88 + 8 + 8}{8} = \frac{99999 - 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111102} &:= \frac{111111 - 11 + 1 + 1}{1} = \frac{222222 - 22 + 2 + 2}{2} = \frac{333333 - 33 + 3 + 3}{3} \\ &:= \frac{444444 - 44 + 4 + 4}{4} = \frac{555555 - 55 + 5 + 5}{5} = \frac{666666 - 66 + 6 + 6}{6} \\ &:= \frac{777777 - 77 + 7 + 7}{7} = \frac{888888 - 88 + 8 + 8}{8} = \frac{999999 - 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \textcolor{red}{103} &:= \frac{111 - 11 + 1 + 1 + 1}{1} = \frac{222 - 22 + 2 + 2 + 2}{2} = \frac{333 - 33 + 3 + 3 + 3}{3} \\ &:= \frac{444 - 44 + 4 + 4 + 4}{4} = \frac{555 - 55 + 5 + 5 + 5}{5} = \frac{666 - 66 + 6 + 6 + 6}{6} \\ &:= \frac{777 - 77 + 7 + 7 + 7}{7} = \frac{888 - 88 + 8 + 8 + 8}{8} = \frac{999 - 99 + 9 + 9 + 9}{9} \end{aligned}$$

1003

:=

$$\frac{1111-111+1+1+1}{1} = \frac{2222-222+2+2+2}{2} = \frac{3333-333+3+3+3}{3}$$

$$:= \frac{4444-444+4+4+4}{4} = \frac{5555-555+5+5+5}{5} = \frac{6666-666+6+6+6}{6}$$

$$:= \frac{7777-777+7+7+7}{7} = \frac{8888-888+8+8+8}{8} = \frac{9999-999+9+9+9}{9}$$

10003

:=

$$\frac{11111-1111+1+1+1}{1} = \frac{22222-2222+2+2+2}{2} = \frac{33333-3333+3+3+3}{3}$$

$$:= \frac{44444-4444+4+4+4}{4} = \frac{55555-5555+5+5+5}{5} = \frac{66666-6666+6+6+6}{6}$$

$$:= \frac{77777-7777+7+7+7}{7} = \frac{88888-8888+8+8+8}{8} = \frac{99999-9999+9+9+9}{9}$$

100003

:=

$$\frac{111111-11111+1+1+1}{1} = \frac{222222-22222+2+2+2}{2} = \frac{333333-33333+3+3+3}{3}$$

$$:= \frac{444444-44444+4+4+4}{4} = \frac{555555-55555+5+5+5}{5} = \frac{666666-66666+6+6+6}{6}$$

$$:= \frac{777777-77777+7+7+7}{7} = \frac{888888-88888+8+8+8}{8} = \frac{999999-99999+9+9+9}{9}$$

► 104

:=

$$\frac{111-11+1+1+1+1}{1} = \frac{222-22+2+2+2+2}{2} = \frac{333-33+3+3+3+3}{3}$$

$$:= \frac{444-44+4+4+4+4}{4} = \frac{555-55+5+5+5+5}{5} = \frac{666-66+6+6+6+6}{6}$$

$$:= \frac{777-77+7+7+7+7}{7} = \frac{888-88+8+8+8+8}{8} = \frac{999-99+9+9+9+9}{9}$$

1004

:=

$$\frac{1111-111+1+1+1+1}{1} = \frac{2222-222+2+2+2+2}{2} = \frac{3333-333+3+3+3+3}{3}$$

$$:= \frac{4444-444+4+4+4+4}{4} = \frac{5555-555+5+5+5+5}{5} = \frac{6666-666+6+6+6+6}{6}$$

$$:= \frac{7777-777+7+7+7+7}{7} = \frac{8888-888+8+8+8+8}{8} = \frac{9999-999+9+9+9+9}{9}$$

10004

:=

$$\frac{11111-1111+1+1+1+1}{1} = \frac{22222-2222+2+2+2+2}{2} = \frac{33333-3333+3+3+3+3}{3}$$

$$:= \frac{44444-4444+4+4+4+4}{4} = \frac{55555-5555+5+5+5+5}{5} = \frac{66666-6666+6+6+6+6}{6}$$

$$:= \frac{77777-7777+7+7+7+7}{7} = \frac{88888-8888+8+8+8+8}{8} = \frac{99999-9999+9+9+9+9}{9}$$

100004

:=

$$\frac{111111-11111+1+1+1+1}{1} = \frac{222222-22222+2+2+2+2}{2} = \frac{333333-33333+3+3+3+3}{3}$$

$$:= \frac{444444-44444+4+4+4+4}{4} = \frac{555555-55555+5+5+5+5}{5} = \frac{666666-66666+6+6+6+6}{6}$$

$$:= \frac{777777-77777+7+7+7+7}{7} = \frac{888888-88888+8+8+8+8}{8} = \frac{999999-99999+9+9+9+9}{9}$$

53

►

105

$$\begin{aligned} &:= \frac{111-1-1-1-1-1-1}{1} = \frac{222-2-2-2-2-2-2}{2} = \frac{333-3-3-3-3-3-3}{3} \\ &:= \frac{444-4-4-4-4-4-4}{4} = \frac{555-5-5-5-5-5-5}{5} = \frac{666-6-6-6-6-6-6}{6} \\ &:= \frac{777-7-7-7-7-7-7}{7} = \frac{888-8-8-8-8-8-8}{8} = \frac{999-9-9-9-9-9-9}{9} \end{aligned}$$

1105

$$\begin{aligned} &:= \frac{1111-1-1-1-1-1-1}{1} = \frac{2222-2-2-2-2-2-2}{2} = \frac{3333-3-3-3-3-3-3}{3} \\ &:= \frac{4444-4-4-4-4-4-4}{4} = \frac{5555-5-5-5-5-5-5}{5} = \frac{6666-6-6-6-6-6-6}{6} \\ &:= \frac{7777-7-7-7-7-7-7}{7} = \frac{8888-8-8-8-8-8-8}{8} = \frac{9999-9-9-9-9-9-9}{9} \end{aligned}$$

11105

$$\begin{aligned} &:= \frac{11111-1-1-1-1-1-1}{1} = \frac{22222-2-2-2-2-2-2}{2} = \frac{33333-3-3-3-3-3-3}{3} \\ &:= \frac{44444-4-4-4-4-4-4}{4} = \frac{55555-5-5-5-5-5-5}{5} = \frac{66666-6-6-6-6-6-6}{6} \\ &:= \frac{77777-7-7-7-7-7-7}{7} = \frac{88888-8-8-8-8-8-8}{8} = \frac{99999-9-9-9-9-9-9}{9} \end{aligned}$$

111105

$$\begin{aligned} &:= \frac{111111-1-1-1-1-1-1}{1} = \frac{222222-2-2-2-2-2-2}{2} = \frac{333333-3-3-3-3-3-3}{3} \\ &:= \frac{444444-4-4-4-4-4-4}{4} = \frac{555555-5-5-5-5-5-5}{5} = \frac{666666-6-6-6-6-6-6}{6} \\ &:= \frac{777777-7-7-7-7-7-7}{7} = \frac{888888-8-8-8-8-8-8}{8} = \frac{999999-9-9-9-9-9-9}{9} \end{aligned}$$

►

106

$$\begin{aligned} &:= \frac{111-1-1-1-1-1}{1} = \frac{222-2-2-2-2-2}{2} = \frac{333-3-3-3-3-3}{3} \\ &:= \frac{444-4-4-4-4-4}{4} = \frac{555-5-5-5-5-5}{5} = \frac{666-6-6-6-6-6}{6} \\ &:= \frac{777-7-7-7-7-7}{7} = \frac{888-8-8-8-8-8}{8} = \frac{999-9-9-9-9-9}{9} \end{aligned}$$

1106

$$\begin{aligned} &:= \frac{1111-1-1-1-1-1}{1} = \frac{2222-2-2-2-2-2}{2} = \frac{3333-3-3-3-3-3}{3} \\ &:= \frac{4444-4-4-4-4-4}{4} = \frac{5555-5-5-5-5-5}{5} = \frac{6666-6-6-6-6-6}{6} \\ &:= \frac{7777-7-7-7-7-7}{7} = \frac{8888-8-8-8-8-8}{8} = \frac{9999-9-9-9-9-9}{9} \end{aligned}$$

11106

$$\begin{aligned} &:= \frac{11111-1-1-1-1-1}{1} = \frac{22222-2-2-2-2-2}{2} = \frac{33333-3-3-3-3-3}{3} \\ &:= \frac{44444-4-4-4-4-4}{4} = \frac{55555-5-5-5-5-5}{5} = \frac{66666-6-6-6-6-6}{6} \end{aligned}$$

$$:= \frac{77777-7-7-7-7-7}{7} = \frac{88888-8-8-8-8-8}{8} = \frac{99999-9-9-9-9-9}{9}$$

$$\begin{aligned} \textcolor{red}{111106} &:= \frac{111111-1-1-1-1-1}{1} = \frac{222222-2-2-2-2-2}{2} = \frac{333333-3-3-3-3-3}{3} \\ &:= \frac{444444-4-4-4-4-4}{4} = \frac{555555-5-5-5-5-5}{5} = \frac{666666-6-6-6-6-6}{6} \\ &:= \frac{777777-7-7-7-7-7}{7} = \frac{888888-8-8-8-8-8}{8} = \frac{999999-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{107} &:= \frac{111-1-1-1-1}{1} = \frac{222-2-2-2-2}{2} = \frac{333-3-3-3-3}{3} \\ &:= \frac{444-4-4-4-4}{4} = \frac{555-5-5-5-5}{5} = \frac{666-6-6-6-6}{6} \\ &:= \frac{777-7-7-7-7}{7} = \frac{888-8-8-8-8}{8} = \frac{999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1107} &:= \frac{1111-1-1-1-1}{1} = \frac{2222-2-2-2-2}{2} = \frac{3333-3-3-3-3}{3} \\ &:= \frac{4444-4-4-4-4}{4} = \frac{5555-5-5-5-5}{5} = \frac{6666-6-6-6-6}{6} \\ &:= \frac{7777-7-7-7-7}{7} = \frac{8888-8-8-8-8}{8} = \frac{9999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11107} &:= \frac{11111-1-1-1-1}{1} = \frac{22222-2-2-2-2}{2} = \frac{33333-3-3-3-3}{3} \\ &:= \frac{44444-4-4-4-4}{4} = \frac{55555-5-5-5-5}{5} = \frac{66666-6-6-6-6}{6} \\ &:= \frac{77777-7-7-7-7}{7} = \frac{88888-8-8-8-8}{8} = \frac{99999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111107} &:= \frac{111111-1-1-1-1}{1} = \frac{222222-2-2-2-2}{2} = \frac{333333-3-3-3-3}{3} \\ &:= \frac{444444-4-4-4-4}{4} = \frac{555555-5-5-5-5}{5} = \frac{666666-6-6-6-6}{6} \\ &:= \frac{777777-7-7-7-7}{7} = \frac{888888-8-8-8-8}{8} = \frac{999999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{108} &:= \frac{111-1-1-1}{1} = \frac{222-2-2-2}{2} = \frac{333-3-3-3}{3} \\ &:= \frac{444-4-4-4}{4} = \frac{555-5-5-5}{5} = \frac{666-6-6-6}{6} \\ &:= \frac{777-7-7-7}{7} = \frac{888-8-8-8}{8} = \frac{999-9-9-9}{9} \end{aligned}$$

$$\textcolor{red}{1108}:= \frac{1111-1-1-1}{1} = \frac{2222-2-2-2}{2} = \frac{3333-3-3-3}{3}$$

$$\begin{aligned} &:= \frac{4444-4-4-4}{4} = \frac{5555-5-5-5}{5} = \frac{6666-6-6-6}{6} \\ &:= \frac{7777-7-7-7}{7} = \frac{8888-8-8-8}{8} = \frac{9999-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11108} &:= \frac{11111-1-1-1}{1} = \frac{22222-2-2-2}{2} = \frac{33333-3-3-3}{3} \\ &:= \frac{44444-4-4-4}{4} = \frac{55555-5-5-5}{5} = \frac{66666-6-6-6}{6} \\ &:= \frac{77777-7-7-7}{7} = \frac{88888-8-8-8}{8} = \frac{99999-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111108} &:= \frac{111111-1-1-1}{1} = \frac{222222-2-2-2}{2} = \frac{333333-3-3-3}{3} \\ &:= \frac{444444-4-4-4}{4} = \frac{555555-5-5-5}{5} = \frac{666666-6-6-6}{6} \\ &:= \frac{777777-7-7-7}{7} = \frac{888888-8-8-8}{8} = \frac{999999-9-9-9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{109} &:= \frac{111-1-1}{1} = \frac{222-2-2}{2} = \frac{333-3-3}{3} \\ &:= \frac{444-4-4}{4} = \frac{555-5-5}{5} = \frac{666-6-6}{6} \\ &:= \frac{777-7-7}{7} = \frac{888-8-8}{8} = \frac{999-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1109} &:= \frac{1111-1-1}{1} = \frac{2222-2-2}{2} = \frac{3333-3-3}{3} \\ &:= \frac{4444-4-4}{4} = \frac{5555-5-5}{5} = \frac{6666-6-6}{6} \\ &:= \frac{7777-7-7}{7} = \frac{8888-8-8}{8} = \frac{9999-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11109} &:= \frac{11111-1-1}{1} = \frac{22222-2-2}{2} = \frac{33333-3-3}{3} \\ &:= \frac{44444-4-4}{4} = \frac{55555-5-5}{5} = \frac{66666-6-6}{6} \\ &:= \frac{77777-7-7}{7} = \frac{88888-8-8}{8} = \frac{99999-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111109} &:= \frac{111111-1-1}{1} = \frac{222222-2-2}{2} = \frac{333333-3-3}{3} \\ &:= \frac{444444-4-4}{4} = \frac{555555-5-5}{5} = \frac{666666-6-6}{6} \\ &:= \frac{777777-7-7}{7} = \frac{888888-8-8}{8} = \frac{999999-9-9}{9} \end{aligned}$$

►

110

$$:= \frac{111-1}{1} = \frac{222-2}{2} = \frac{333-3}{3} = \frac{444-4}{4} = \frac{555-5}{5} = \frac{666-6}{6} = \frac{777-7}{7} = \frac{888-8}{8} = \frac{999-9}{9}$$

1110

$$:= \frac{1111-1}{1} = \frac{2222-2}{2} = \frac{3333-3}{3} = \frac{4444-4}{4} = \frac{5555-5}{5} = \frac{6666-6}{6} = \frac{7777-7}{7} = \frac{8888-8}{8} = \frac{9999-9}{9}$$

11110

$$:= \frac{11111-1}{1} = \frac{22222-2}{2} = \frac{33333-3}{3} = \frac{44444-4}{4} = \frac{55555-5}{5} = \frac{66666-6}{6} = \frac{77777-7}{7} = \frac{88888-8}{8} = \frac{99999-9}{9}$$

111110

$$:= \frac{111111-1}{1} = \frac{222222-2}{2} = \frac{333333-3}{3} = \frac{444444-4}{4} = \frac{555555-5}{5} = \frac{666666-6}{6} = \frac{777777-7}{7} = \frac{888888-8}{8} = \frac{999999-9}{9}$$

►

111

$$:= \frac{111}{1} = \frac{222}{2} = \frac{333}{3} = \frac{444}{4} = \frac{555}{5} = \frac{666}{6} = \frac{777}{7} = \frac{888}{8} = \frac{999}{9}$$

1111

$$:= \frac{1111}{1} = \frac{2222}{2} = \frac{3333}{3} = \frac{4444}{4} = \frac{5555}{5} = \frac{6666}{6} = \frac{7777}{7} = \frac{8888}{8} = \frac{9999}{9}$$

11111

$$:= \frac{11111}{1} = \frac{22222}{2} = \frac{33333}{3} = \frac{44444}{4} = \frac{55555}{5} = \frac{66666}{6} = \frac{77777}{7} = \frac{88888}{8} = \frac{99999}{9}$$

111111

$$:= \frac{111111}{1} = \frac{222222}{2} = \frac{333333}{3} = \frac{444444}{4} = \frac{555555}{5} = \frac{666666}{6} = \frac{777777}{7} = \frac{888888}{8} = \frac{999999}{9}$$

►

112

$$:= \frac{111+1}{1} = \frac{222+2}{2} = \frac{333+3}{3} = \frac{444+4}{4} = \frac{555+5}{5} = \frac{666+6}{6} = \frac{777+7}{7} = \frac{888+8}{8} = \frac{999+9}{9}$$

1112

$$:= \frac{1111+1}{1} = \frac{2222+2}{2} = \frac{3333+3}{3} = \frac{4444+4}{4} = \frac{5555+5}{5} = \frac{6666+6}{6} = \frac{7777+7}{7} = \frac{8888+8}{8} = \frac{9999+9}{9}$$

11112

$$:= \frac{11111+1}{1} = \frac{22222+2}{2} = \frac{33333+3}{3} = \frac{44444+4}{4} = \frac{55555+5}{5} = \frac{66666+6}{6} = \frac{77777+7}{7} = \frac{88888+8}{8} = \frac{99999+9}{9}$$

111112

$$:= \frac{111111+1}{1} = \frac{222222+2}{2} = \frac{333333+3}{3} = \frac{444444+4}{4} = \frac{555555+5}{5} = \frac{666666+6}{6} = \frac{777777+7}{7} = \frac{888888+8}{8} = \frac{999999+9}{9}$$

►

113

$$:= \frac{111+1+1}{1} = \frac{222+2+2}{2} = \frac{333+3+3}{3}$$
$$:= \frac{444+4+4}{4} = \frac{555+5+5}{5} = \frac{666+6+6}{6}$$
$$:= \frac{777+7+7}{7} = \frac{888+8+8}{8} = \frac{999+9+9}{9}$$

$$\begin{aligned} \mathbf{1113} &:= \frac{1111+1+1}{1} = \frac{2222+2+2}{2} = \frac{3333+3+3}{3} \\ &:= \frac{4444+4+4}{4} = \frac{5555+5+5}{5} = \frac{6666+6+6}{6} \\ &:= \frac{7777+7+7}{7} = \frac{8888+8+8}{8} = \frac{9999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{11113} &:= \frac{11111+1+1}{1} = \frac{22222+2+2}{2} = \frac{33333+3+3}{3} \\ &:= \frac{44444+4+4}{4} = \frac{55555+5+5}{5} = \frac{66666+6+6}{6} \\ &:= \frac{77777+7+7}{7} = \frac{88888+8+8}{8} = \frac{99999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{111113} &:= \frac{111111+1+1}{1} = \frac{222222+2+2}{2} = \frac{333333+3+3}{3} \\ &:= \frac{444444+4+4}{4} = \frac{555555+5+5}{5} = \frac{666666+6+6}{6} \\ &:= \frac{777777+7+7}{7} = \frac{888888+8+8}{8} = \frac{999999+9+9}{9} \end{aligned}$$

► $\mathbf{114} := \frac{111+1+1+1}{1} = \frac{222+2+2+2}{2} = \frac{333+3+3+3}{3}$
 $:= \frac{444+4+4+4}{4} = \frac{555+5+5+5}{5} = \frac{666+6+6+6}{6}$
 $:= \frac{777+7+7+7}{7} = \frac{888+8+8+8}{8} = \frac{999+9+9+9}{9}$

$$\begin{aligned} \mathbf{1114} &:= \frac{1111+1+1+1}{1} = \frac{2222+2+2+2}{2} = \frac{3333+3+3+3}{3} \\ &:= \frac{4444+4+4+4}{4} = \frac{5555+5+5+5}{5} = \frac{6666+6+6+6}{6} \\ &:= \frac{7777+7+7+7}{7} = \frac{8888+8+8+8}{8} = \frac{9999+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{11114} &:= \frac{11111+1+1+1}{1} = \frac{22222+2+2+2}{2} = \frac{33333+3+3+3}{3} \\ &:= \frac{44444+4+4+4}{4} = \frac{55555+5+5+5}{5} = \frac{66666+6+6+6}{6} \\ &:= \frac{77777+7+7+7}{7} = \frac{88888+8+8+8}{8} = \frac{99999+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{111114} &:= \frac{111111+1+1+1}{1} = \frac{222222+2+2+2}{2} = \frac{333333+3+3+3}{3} \\ &:= \frac{444444+4+4+4}{4} = \frac{555555+5+5+5}{5} = \frac{666666+6+6+6}{6} \\ &:= \frac{777777+7+7+7}{7} = \frac{888888+8+8+8}{8} = \frac{999999+9+9+9}{9} \end{aligned}$$

► **115** := $\frac{111+1+1+1+1}{1} = \frac{222+2+2+2+2}{2} = \frac{333+3+3+3+3}{3}$
:= $\frac{444+4+4+4+4}{4} = \frac{555+5+5+5+5}{5} = \frac{666+6+6+6+6}{6}$
:= $\frac{777+7+7+7+7}{7} = \frac{888+8+8+8+8}{8} = \frac{999+9+9+9+9}{9}$

1115 := $\frac{1111+1+1+1+1}{1} = \frac{2222+2+2+2+2}{2} = \frac{3333+3+3+3+3}{3}$
:= $\frac{4444+4+4+4+4}{4} = \frac{5555+5+5+5+5}{5} = \frac{6666+6+6+6+6}{6}$
:= $\frac{7777+7+7+7+7}{7} = \frac{8888+8+8+8+8}{8} = \frac{9999+9+9+9+9}{9}$

11115 := $\frac{11111+1+1+1+1}{1} = \frac{22222+2+2+2+2}{2} = \frac{33333+3+3+3+3}{3}$
:= $\frac{44444+4+4+4+4}{4} = \frac{55555+5+5+5+5}{5} = \frac{66666+6+6+6+6}{6}$
:= $\frac{77777+7+7+7+7}{7} = \frac{88888+8+8+8+8}{8} = \frac{99999+9+9+9+9}{9}$

111115 := $\frac{111111+1+1+1+1}{1} = \frac{222222+2+2+2+2}{2} = \frac{333333+3+3+3+3}{3}$
:= $\frac{444444+4+4+4+4}{4} = \frac{555555+5+5+5+5}{5} = \frac{666666+6+6+6+6}{6}$
:= $\frac{777777+7+7+7+7}{7} = \frac{888888+8+8+8+8}{8} = \frac{999999+9+9+9+9}{9}$

► **116** := $\frac{11-1}{1+1} + \frac{111}{1} = \frac{22-2}{2+2} + \frac{222}{2} = \frac{33-3}{3+3} + \frac{333}{3}$
:= $\frac{44-4}{4+4} + \frac{444}{4} = \frac{55-5}{5+5} + \frac{555}{5} = \frac{66-6}{6+6} + \frac{666}{6}$
:= $\frac{77-7}{7+7} + \frac{777}{7} = \frac{88-8}{8+8} + \frac{888}{8} = \frac{99-9}{9+9} + \frac{999}{9}$

1116 := $\frac{11-1}{1+1} + \frac{1111}{1} = \frac{22-2}{2+2} + \frac{2222}{2} = \frac{33-3}{3+3} + \frac{3333}{3}$
:= $\frac{44-4}{4+4} + \frac{4444}{4} = \frac{55-5}{5+5} + \frac{5555}{5} = \frac{66-6}{6+6} + \frac{6666}{6}$
:= $\frac{77-7}{7+7} + \frac{7777}{7} = \frac{88-8}{8+8} + \frac{8888}{8} = \frac{99-9}{9+9} + \frac{9999}{9}$

11116 := $\frac{11-1}{1+1} + \frac{11111}{1} = \frac{22-2}{2+2} + \frac{22222}{2} = \frac{33-3}{3+3} + \frac{33333}{3}$
:= $\frac{44-4}{4+4} + \frac{44444}{4} = \frac{55-5}{5+5} + \frac{55555}{5} = \frac{66-6}{6+6} + \frac{66666}{6}$

$$:= \frac{77-7}{7+7} + \frac{77777}{7} = \frac{88-8}{8+8} + \frac{88888}{8} = \frac{99-9}{9+9} + \frac{99999}{9}$$

$$\begin{aligned} \textcolor{red}{111116} &:= \frac{11-1}{1+1} + \frac{111111}{1} = \frac{22-2}{2+2} + \frac{222222}{2} = \frac{33-3}{3+3} + \frac{333333}{3} \\ &:= \frac{44-4}{4+4} + \frac{444444}{4} = \frac{55-5}{5+5} + \frac{555555}{5} = \frac{66-6}{6+6} + \frac{666666}{6} \\ &:= \frac{77-7}{7+7} + \frac{777777}{7} = \frac{88-8}{8+8} + \frac{888888}{8} = \frac{99-9}{9+9} + \frac{999999}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{117} &:= \frac{11+1}{1+1} + \frac{111}{1} = \frac{22+2}{2+2} + \frac{222}{2} = \frac{33+3}{3+3} + \frac{333}{3} \\ &:= \frac{44+4}{4+4} + \frac{444}{4} = \frac{55+5}{5+5} + \frac{555}{5} = \frac{66+6}{6+6} + \frac{666}{6} \\ &:= \frac{77+7}{7+7} + \frac{777}{7} = \frac{88+8}{8+8} + \frac{888}{8} = \frac{99+9}{9+9} + \frac{999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1117} &:= \frac{11+1}{1+1} + \frac{1111}{1} = \frac{22+2}{2+2} + \frac{2222}{2} = \frac{33+3}{3+3} + \frac{3333}{3} \\ &:= \frac{44+4}{4+4} + \frac{4444}{4} = \frac{55+5}{5+5} + \frac{5555}{5} = \frac{66+6}{6+6} + \frac{6666}{6} \\ &:= \frac{77+7}{7+7} + \frac{7777}{7} = \frac{88+8}{8+8} + \frac{8888}{8} = \frac{99+9}{9+9} + \frac{9999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11117} &:= \frac{11+1}{1+1} + \frac{11111}{1} = \frac{22+2}{2+2} + \frac{22222}{2} = \frac{33+3}{3+3} + \frac{33333}{3} \\ &:= \frac{44+4}{4+4} + \frac{44444}{4} = \frac{55+5}{5+5} + \frac{55555}{5} = \frac{66+6}{6+6} + \frac{66666}{6} \\ &:= \frac{77+7}{7+7} + \frac{77777}{7} = \frac{88+8}{8+8} + \frac{88888}{8} = \frac{99+9}{9+9} + \frac{99999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111117} &:= \frac{11+1}{1+1} + \frac{111111}{1} = \frac{22+2}{2+2} + \frac{222222}{2} = \frac{33+3}{3+3} + \frac{333333}{3} \\ &:= \frac{44+4}{4+4} + \frac{444444}{4} = \frac{55+5}{5+5} + \frac{555555}{5} = \frac{66+6}{6+6} + \frac{666666}{6} \\ &:= \frac{77+7}{7+7} + \frac{777777}{7} = \frac{88+8}{8+8} + \frac{888888}{8} = \frac{99+9}{9+9} + \frac{999999}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{118} &:= \frac{111+11-1-1-1-1}{1} = \frac{222+22-2-2-2-2}{2} = \frac{333+33-3-3-3-3}{3} \\ &:= \frac{444+44-4-4-4-4}{4} = \frac{555+55-5-5-5-5}{5} = \frac{666+66-6-6-6-6}{6} \\ &:= \frac{777+77-7-7-7-7}{7} = \frac{888+88-8-8-8-8}{8} = \frac{999+99-9-9-9-9}{9} \end{aligned}$$

$$\textcolor{red}{1118}:= \frac{1111+11-1-1-1-1}{1} = \frac{2222+22-2-2-2-2}{2} = \frac{3333+33-3-3-3-3}{3}$$

$$\begin{aligned} &:= \frac{4444 + 44 - 4 - 4 - 4 - 4}{4} = \frac{5555 + 55 - 5 - 5 - 5 - 5}{5} = \frac{6666 + 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{7777 + 77 - 7 - 7 - 7 - 7}{7} = \frac{8888 + 88 - 8 - 8 - 8 - 8}{8} = \frac{9999 + 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11118} &:= \frac{11111 + 11 - 1 - 1 - 1 - 1}{1} = \frac{22222 + 22 - 2 - 2 - 2 - 2}{2} = \frac{33333 + 33 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{44444 + 44 - 4 - 4 - 4 - 4}{4} = \frac{55555 + 55 - 5 - 5 - 5 - 5}{5} = \frac{66666 + 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{77777 + 77 - 7 - 7 - 7 - 7}{7} = \frac{88888 + 88 - 8 - 8 - 8 - 8}{8} = \frac{99999 + 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111118} &:= \frac{111111 + 11 - 1 - 1 - 1 - 1}{1} = \frac{222222 + 22 - 2 - 2 - 2 - 2}{2} = \frac{333333 + 33 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{444444 + 44 - 4 - 4 - 4 - 4}{4} = \frac{555555 + 55 - 5 - 5 - 5 - 5}{5} = \frac{666666 + 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{777777 + 77 - 7 - 7 - 7 - 7}{7} = \frac{888888 + 88 - 8 - 8 - 8 - 8}{8} = \frac{999999 + 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \textcolor{red}{119} &:= \frac{111 + 11 - 1 - 1 - 1}{1} = \frac{222 + 22 - 2 - 2 - 2}{2} = \frac{333 + 33 - 3 - 3 - 3}{3} \\ &:= \frac{444 + 44 - 4 - 4 - 4}{4} = \frac{555 + 55 - 5 - 5 - 5}{5} = \frac{666 + 66 - 6 - 6 - 6}{6} \\ &:= \frac{777 + 77 - 7 - 7 - 7}{7} = \frac{888 + 88 - 8 - 8 - 8}{8} = \frac{999 + 99 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1119} &:= \frac{1111 + 11 - 1 - 1 - 1}{1} = \frac{2222 + 22 - 2 - 2 - 2}{2} = \frac{3333 + 33 - 3 - 3 - 3}{3} \\ &:= \frac{4444 + 44 - 4 - 4 - 4}{4} = \frac{5555 + 55 - 5 - 5 - 5}{5} = \frac{6666 + 66 - 6 - 6 - 6}{6} \\ &:= \frac{7777 + 77 - 7 - 7 - 7}{7} = \frac{8888 + 88 - 8 - 8 - 8}{8} = \frac{9999 + 99 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11119} &:= \frac{11111 + 11 - 1 - 1 - 1}{1} = \frac{22222 + 22 - 2 - 2 - 2}{2} = \frac{33333 + 33 - 3 - 3 - 3}{3} \\ &:= \frac{44444 + 44 - 4 - 4 - 4}{4} = \frac{55555 + 55 - 5 - 5 - 5}{5} = \frac{66666 + 66 - 6 - 6 - 6}{6} \\ &:= \frac{77777 + 77 - 7 - 7 - 7}{7} = \frac{88888 + 88 - 8 - 8 - 8}{8} = \frac{99999 + 99 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111119} &:= \frac{111111 + 11 - 1 - 1 - 1}{1} = \frac{222222 + 22 - 2 - 2 - 2}{2} = \frac{333333 + 33 - 3 - 3 - 3}{3} \\ &:= \frac{444444 + 44 - 4 - 4 - 4}{4} = \frac{555555 + 55 - 5 - 5 - 5}{5} = \frac{666666 + 66 - 6 - 6 - 6}{6} \\ &:= \frac{777777 + 77 - 7 - 7 - 7}{7} = \frac{888888 + 88 - 8 - 8 - 8}{8} = \frac{999999 + 99 - 9 - 9 - 9}{9} \end{aligned}$$

►

120

$$:= \frac{111+11-1-1}{1} = \frac{222+22-2-2}{2} = \frac{333+33-3-3}{3}$$

$$:= \frac{444+44-4-4}{4} = \frac{555+55-5-5}{5} = \frac{666+66-6-6}{6}$$

$$:= \frac{777+77-7-7}{7} = \frac{888+88-8-8}{8} = \frac{999+99-9-9}{9}$$

1120

$$:= \frac{1111+11-1-1}{1} = \frac{2222+22-2-2}{2} = \frac{3333+33-3-3}{3}$$

$$:= \frac{4444+44-4-4}{4} = \frac{5555+55-5-5}{5} = \frac{6666+66-6-6}{6}$$

$$:= \frac{7777+77-7-7}{7} = \frac{8888+88-8-8}{8} = \frac{9999+99-9-9}{9}$$

11120

$$:= \frac{11111+11-1-1}{1} = \frac{22222+22-2-2}{2} = \frac{33333+33-3-3}{3}$$

$$:= \frac{44444+44-4-4}{4} = \frac{55555+55-5-5}{5} = \frac{66666+66-6-6}{6}$$

$$:= \frac{77777+77-7-7}{7} = \frac{88888+88-8-8}{8} = \frac{99999+99-9-9}{9}$$

111120

$$:= \frac{111111+11-1-1}{1} = \frac{222222+22-2-2}{2} = \frac{333333+33-3-3}{3}$$

$$:= \frac{444444+44-4-4}{4} = \frac{555555+55-5-5}{5} = \frac{666666+66-6-6}{6}$$

$$:= \frac{777777+77-7-7}{7} = \frac{888888+88-8-8}{8} = \frac{999999+99-9-9}{9}$$

►

121

$$:= \frac{111+11-1}{1} = \frac{222+22-2}{2} = \frac{333+33-3}{3}$$

$$:= \frac{444+44-4}{4} = \frac{555+55-5}{5} = \frac{666+66-6}{6}$$

$$:= \frac{777+77-7}{7} = \frac{888+88-8}{8} = \frac{999+99-9}{9}$$

1221

$$:= \frac{1111+111-1}{1} = \frac{2222+222-2}{2} = \frac{3333+333-3}{3}$$

$$:= \frac{4444+444-4}{4} = \frac{5555+555-5}{5} = \frac{6666+666-6}{6}$$

$$:= \frac{7777+777-7}{7} = \frac{8888+888-8}{8} = \frac{9999+999-9}{9}$$

12221

$$:= \frac{11111+1111-1}{1} = \frac{22222+2222-2}{2} = \frac{33333+3333-3}{3}$$

$$:= \frac{44444+4444-4}{4} = \frac{55555+5555-5}{5} = \frac{66666+6666-6}{6}$$

$$:= \frac{77777+7777-7}{7} = \frac{88888+8888-8}{8} = \frac{99999+9999-9}{9}$$

$$\begin{aligned} \mathbf{122221} &:= \frac{111111 + 11111 - 1}{1} = \frac{222222 + 22222 - 2}{2} = \frac{333333 + 33333 - 3}{3} \\ &:= \frac{444444 + 44444 - 4}{4} = \frac{555555 + 55555 - 5}{5} = \frac{666666 + 66666 - 6}{6} \\ &:= \frac{777777 + 77777 - 7}{7} = \frac{888888 + 88888 - 8}{8} = \frac{999999 + 99999 - 9}{9} \end{aligned}$$

► $\mathbf{122} := \frac{111 + 11}{1} = \frac{222 + 22}{2} = \frac{333 + 33}{3}$
 $:= \frac{444 + 44}{4} = \frac{555 + 55}{5} = \frac{666 + 66}{6}$
 $:= \frac{777 + 77}{7} = \frac{888 + 88}{8} = \frac{999 + 99}{9}$

$$\begin{aligned} \mathbf{1122} &:= \frac{1111 + 11}{1} = \frac{2222 + 22}{2} = \frac{3333 + 33}{3} \\ &:= \frac{4444 + 44}{4} = \frac{5555 + 55}{5} = \frac{6666 + 66}{6} \\ &:= \frac{7777 + 77}{7} = \frac{8888 + 88}{8} = \frac{9999 + 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{11122} &:= \frac{11111 + 11}{1} = \frac{22222 + 22}{2} = \frac{33333 + 33}{3} \\ &:= \frac{44444 + 44}{4} = \frac{55555 + 55}{5} = \frac{66666 + 66}{6} \\ &:= \frac{77777 + 77}{7} = \frac{88888 + 88}{8} = \frac{99999 + 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{111122} &:= \frac{111111 + 11}{1} = \frac{222222 + 22}{2} = \frac{333333 + 33}{3} \\ &:= \frac{444444 + 44}{4} = \frac{555555 + 55}{5} = \frac{666666 + 66}{6} \\ &:= \frac{777777 + 77}{7} = \frac{888888 + 88}{8} = \frac{999999 + 99}{9} \end{aligned}$$

► $\mathbf{123} := \frac{111 + 11 + 1}{1} = \frac{222 + 22 + 2}{2} = \frac{333 + 33 + 3}{3}$
 $:= \frac{444 + 44 + 4}{4} = \frac{555 + 55 + 5}{5} = \frac{666 + 66 + 6}{6}$
 $:= \frac{777 + 77 + 7}{7} = \frac{888 + 88 + 8}{8} = \frac{999 + 99 + 9}{9}$

$$\begin{aligned} \mathbf{1123} &:= \frac{1111 + 11 + 1}{1} = \frac{2222 + 22 + 2}{2} = \frac{3333 + 33 + 3}{3} \\ &:= \frac{4444 + 44 + 4}{4} = \frac{5555 + 55 + 5}{5} = \frac{6666 + 66 + 6}{6} \end{aligned}$$

$$:= \frac{7777 + 77 + 7}{7} = \frac{8888 + 88 + 8}{8} = \frac{9999 + 99 + 9}{9}$$

$$\begin{aligned} \textcolor{red}{11123} &:= \frac{11111 + 11 + 1}{1} = \frac{22222 + 22 + 2}{2} = \frac{33333 + 33 + 3}{3} \\ &:= \frac{44444 + 44 + 4}{4} = \frac{55555 + 55 + 5}{5} = \frac{66666 + 66 + 6}{6} \\ &:= \frac{77777 + 77 + 7}{7} = \frac{88888 + 88 + 8}{8} = \frac{99999 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111123} &:= \frac{111111 + 11 + 1}{1} = \frac{222222 + 22 + 2}{2} = \frac{333333 + 33 + 3}{3} \\ &:= \frac{444444 + 44 + 4}{4} = \frac{555555 + 55 + 5}{5} = \frac{666666 + 66 + 6}{6} \\ &:= \frac{777777 + 77 + 7}{7} = \frac{888888 + 88 + 8}{8} = \frac{999999 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{124} &:= \frac{111 + 11 + 1 + 1}{1} = \frac{222 + 22 + 2 + 2}{2} = \frac{333 + 33 + 3 + 3}{3} \\ &:= \frac{444 + 44 + 4 + 4}{4} = \frac{555 + 55 + 5 + 5}{5} = \frac{666 + 66 + 6 + 6}{6} \\ &:= \frac{777 + 77 + 7 + 7}{7} = \frac{888 + 88 + 8 + 8}{8} = \frac{999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1124} &:= \frac{1111 + 11 + 1 + 1}{1} = \frac{2222 + 22 + 2 + 2}{2} = \frac{3333 + 33 + 3 + 3}{3} \\ &:= \frac{4444 + 44 + 4 + 4}{4} = \frac{5555 + 55 + 5 + 5}{5} = \frac{6666 + 66 + 6 + 6}{6} \\ &:= \frac{7777 + 77 + 7 + 7}{7} = \frac{8888 + 88 + 8 + 8}{8} = \frac{9999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11124} &:= \frac{11111 + 11 + 1 + 1}{1} = \frac{22222 + 22 + 2 + 2}{2} = \frac{33333 + 33 + 3 + 3}{3} \\ &:= \frac{44444 + 44 + 4 + 4}{4} = \frac{55555 + 55 + 5 + 5}{5} = \frac{66666 + 66 + 6 + 6}{6} \\ &:= \frac{77777 + 77 + 7 + 7}{7} = \frac{88888 + 88 + 8 + 8}{8} = \frac{99999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111124} &:= \frac{111111 + 11 + 1 + 1}{1} = \frac{222222 + 22 + 2 + 2}{2} = \frac{333333 + 33 + 3 + 3}{3} \\ &:= \frac{444444 + 44 + 4 + 4}{4} = \frac{555555 + 55 + 5 + 5}{5} = \frac{666666 + 66 + 6 + 6}{6} \\ &:= \frac{777777 + 77 + 7 + 7}{7} = \frac{888888 + 88 + 8 + 8}{8} = \frac{999999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{125} := \frac{111 + 11 + 1 + 1 + 1}{1} = \frac{222 + 22 + 2 + 2 + 2}{2} = \frac{333 + 33 + 3 + 3 + 3}{3}$$

$$\begin{aligned} &:= \frac{444+44+4+4+4}{4} = \frac{555+55+5+5+5}{5} = \frac{666+66+6+6+6}{6} \\ &:= \frac{777+77+7+7+7}{7} = \frac{888+88+8+8+8}{8} = \frac{999+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1125} &:= \frac{1111+11+1+1+1}{1} = \frac{2222+22+2+2+2}{2} = \frac{3333+33+3+3+3}{3} \\ &:= \frac{4444+44+4+4+4}{4} = \frac{5555+55+5+5+5}{5} = \frac{6666+66+6+6+6}{6} \\ &:= \frac{7777+77+7+7+7}{7} = \frac{8888+88+8+8+8}{8} = \frac{9999+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11125} &:= \frac{11111+11+1+1+1}{1} = \frac{22222+22+2+2+2}{2} = \frac{33333+33+3+3+3}{3} \\ &:= \frac{44444+44+4+4+4}{4} = \frac{55555+55+5+5+5}{5} = \frac{66666+66+6+6+6}{6} \\ &:= \frac{77777+77+7+7+7}{7} = \frac{88888+88+8+8+8}{8} = \frac{99999+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111125} &:= \frac{111111+11+1+1+1}{1} = \frac{222222+22+2+2+2}{2} = \frac{333333+33+3+3+3}{3} \\ &:= \frac{444444+44+4+4+4}{4} = \frac{555555+55+5+5+5}{5} = \frac{666666+66+6+6+6}{6} \\ &:= \frac{777777+77+7+7+7}{7} = \frac{888888+88+8+8+8}{8} = \frac{999999+99+9+9+9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{126} &:= \frac{111+11+1+1+1+1}{1} = \frac{222+22+2+2+2+2}{2} = \frac{333+33+3+3+3+3}{3} \\ &:= \frac{444+44+4+4+4+4}{4} = \frac{555+55+5+5+5+5}{5} = \frac{666+66+6+6+6+6}{6} \\ &:= \frac{777+77+7+7+7+7}{7} = \frac{888+88+8+8+8+8}{8} = \frac{999+99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1126} &:= \frac{1111+11+1+1+1+1}{1} = \frac{2222+22+2+2+2+2}{2} = \frac{3333+33+3+3+3+3}{3} \\ &:= \frac{4444+44+4+4+4+4}{4} = \frac{5555+55+5+5+5+5}{5} = \frac{6666+66+6+6+6+6}{6} \\ &:= \frac{7777+77+7+7+7+7}{7} = \frac{8888+88+8+8+8+8}{8} = \frac{9999+99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11126} &:= \frac{11111+11+1+1+1+1}{1} = \frac{22222+22+2+2+2+2}{2} = \frac{33333+33+3+3+3+3}{3} \\ &:= \frac{44444+44+4+4+4+4}{4} = \frac{55555+55+5+5+5+5}{5} = \frac{66666+66+6+6+6+6}{6} \\ &:= \frac{77777+77+7+7+7+7}{7} = \frac{88888+88+8+8+8+8}{8} = \frac{99999+99+9+9+9+9}{9} \end{aligned}$$

111126

:=

$$\frac{111111+11+1+1+1+1}{1} = \frac{222222+22+2+2+2+2}{2} = \frac{333333+33+3+3+3+3}{3}$$
$$:= \frac{444444+44+4+4+4+4}{4} = \frac{555555+55+5+5+5+5}{5} = \frac{666666+66+6+6+6+6}{6}$$
$$:= \frac{777777+77+7+7+7+7}{7} = \frac{888888+88+8+8+8+8}{8} = \frac{999999+99+9+9+9+9}{9}$$

► 127

:=

$$\frac{111+11+1+1+1+1+1}{1} = \frac{222+22+2+2+2+2+2}{2} = \frac{333+33+3+3+3+3+3}{3}$$
$$:= \frac{444+44+4+4+4+4+4}{4} = \frac{555+55+5+5+5+5+5}{5} = \frac{666+66+6+6+6+6+6}{6}$$
$$:= \frac{777+77+7+7+7+7+7}{7} = \frac{888+88+8+8+8+8+8}{8} = \frac{999+99+9+9+9+9+9}{9}$$

1127

:=

$$\frac{1111+11+1+1+1+1+1}{1} = \frac{2222+22+2+2+2+2+2}{2} = \frac{3333+33+3+3+3+3+3}{3}$$
$$:= \frac{4444+44+4+4+4+4+4}{4} = \frac{5555+55+5+5+5+5+5}{5} = \frac{6666+66+6+6+6+6+6}{6}$$
$$:= \frac{7777+77+7+7+7+7+7}{7} = \frac{8888+88+8+8+8+8+8}{8} = \frac{9999+99+9+9+9+9+9}{9}$$

11127

:=

$$\frac{11111+11+1+1+1+1+1}{1} = \frac{22222+22+2+2+2+2+2}{2} = \frac{33333+33+3+3+3+3+3}{3}$$
$$:= \frac{44444+44+4+4+4+4+4}{4} = \frac{55555+55+5+5+5+5+5}{5} = \frac{66666+66+6+6+6+6+6}{6}$$
$$:= \frac{77777+77+7+7+7+7+7}{7} = \frac{88888+88+8+8+8+8+8}{8} = \frac{99999+99+9+9+9+9+9}{9}$$

111127

:=

$$\frac{111111+11+1+1+1+1+1}{1} = \frac{222222+22+2+2+2+2+2}{2} = \frac{333333+33+3+3+3+3+3}{3}$$
$$:= \frac{444444+44+4+4+4+4+4}{4} = \frac{555555+55+5+5+5+5+5}{5} = \frac{666666+66+6+6+6+6+6}{6}$$
$$:= \frac{777777+77+7+7+7+7+7}{7} = \frac{888888+88+8+8+8+8+8}{8} = \frac{999999+99+9+9+9+9+9}{9}$$

► 128

:=

$$\frac{111+11+1+1+1+1+1+1}{1} = \frac{222+22+2+2+2+2+2+2}{2} = \frac{333+33+3+3+3+3+3+3}{3}$$
$$:= \frac{444+44+4+4+4+4+4+4}{4} = \frac{555+55+5+5+5+5+5+5}{5} = \frac{666+66+6+6+6+6+6+6}{6}$$
$$:= \frac{777+77+7+7+7+7+7+7}{7} = \frac{888+88+8+8+8+8+8+8}{8} = \frac{999+99+9+9+9+9+9+9}{9}$$

1128

:=

$$\frac{1111+11+1+1+1+1+1+1}{1} = \frac{2222+22+2+2+2+2+2+2}{2} = \frac{3333+33+3+3+3+3+3+3}{3}$$
$$:= \frac{4444+44+4+4+4+4+4+4}{4} = \frac{5555+55+5+5+5+5+5+5}{5} = \frac{6666+66+6+6+6+6+6+6}{6}$$

$$:= \frac{7777+77+7+7+7+7+7+7}{7} = \frac{8888+88+8+8+8+8+8+8}{8} = \frac{9999+99+9+9+9+9+9+9}{9}$$

$$\begin{aligned} \textcolor{red}{11128} &:= \frac{11111+11+1+1+1+1+1+1}{1} = \frac{22222+22+2+2+2+2+2+2}{2} = \frac{33333+33+3+3+3+3+3+3}{3} \\ &:= \frac{44444+44+4+4+4+4+4+4}{4} = \frac{55555+55+5+5+5+5+5+5}{5} = \frac{66666+66+6+6+6+6+6+6}{6} \\ &:= \frac{77777+77+7+7+7+7+7+7}{7} = \frac{88888+88+8+8+8+8+8+8}{8} = \frac{99999+99+9+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111128} &:= \frac{111111+11+1+1+1+1+1+1}{1} = \frac{222222+22+2+2+2+2+2+2}{2} = \frac{333333+33+3+3+3+3+3+3}{3} \\ &:= \frac{444444+44+4+4+4+4+4+4}{4} = \frac{555555+55+5+5+5+5+5+5}{5} = \frac{666666+66+6+6+6+6+6+6}{6} \\ &:= \frac{777777+77+7+7+7+7+7+7}{7} = \frac{888888+88+8+8+8+8+8+8}{8} = \frac{999999+99+9+9+9+9+9+9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{129} &:= \frac{11+11+111-1-1-1-1}{1} = \frac{22+22+222-2-2-2-2}{2} = \frac{33+33+333-3-3-3-3}{3} \\ &:= \frac{44+44+444-4-4-4-4}{4} = \frac{55+55+555-5-5-5-5}{5} = \frac{66+66+666-6-6-6-6}{6} \\ &:= \frac{77+77+777-7-7-7-7}{7} = \frac{88+88+888-8-8-8-8}{8} = \frac{99+99+999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1129} &:= \frac{11+11+1111-1-1-1-1}{1} = \frac{22+22+2222-2-2-2-2}{2} = \frac{33+33+3333-3-3-3-3}{3} \\ &:= \frac{44+44+4444-4-4-4-4}{4} = \frac{55+55+5555-5-5-5-5}{5} = \frac{66+66+6666-6-6-6-6}{6} \\ &:= \frac{77+77+7777-7-7-7-7}{7} = \frac{88+88+8888-8-8-8-8}{8} = \frac{99+99+9999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11129} &:= \frac{11+11+11111-1-1-1-1}{1} = \frac{22+22+22222-2-2-2-2}{2} = \frac{33+33+33333-3-3-3-3}{3} \\ &:= \frac{44+44+44444-4-4-4-4}{4} = \frac{55+55+55555-5-5-5-5}{5} = \frac{66+66+66666-6-6-6-6}{6} \\ &:= \frac{77+77+77777-7-7-7-7}{7} = \frac{88+88+88888-8-8-8-8}{8} = \frac{99+99+99999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111129} &:= \frac{11+11+111111-1-1-1-1}{1} = \frac{22+22+222222-2-2-2-2}{2} = \frac{33+33+333333-3-3-3-3}{3} \\ &:= \frac{44+44+444444-4-4-4-4}{4} = \frac{55+55+555555-5-5-5-5}{5} = \frac{66+66+666666-6-6-6-6}{6} \\ &:= \frac{77+77+777777-7-7-7-7}{7} = \frac{88+88+888888-8-8-8-8}{8} = \frac{99+99+999999-9-9-9-9}{9} \end{aligned}$$

►

$$\textcolor{red}{130} := \frac{11+11+111-1-1-1}{1} = \frac{22+22+222-2-2-2}{2} = \frac{33+33+333-3-3-3}{3}$$

$$\begin{aligned} &:= \frac{44 + 44 + 444 - 4 - 4 - 4}{4} = \frac{55 + 55 + 555 - 5 - 5 - 5}{5} = \frac{66 + 66 + 666 - 6 - 6 - 6}{6} \\ &:= \frac{77 + 77 + 777 - 7 - 7 - 7}{7} = \frac{88 + 88 + 888 - 8 - 8 - 8}{8} = \frac{99 + 99 + 999 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1130} &:= \frac{11 + 11 + 1111 - 1 - 1 - 1}{1} = \frac{22 + 22 + 2222 - 2 - 2 - 2}{2} = \frac{33 + 33 + 3333 - 3 - 3 - 3}{3} \\ &:= \frac{44 + 44 + 4444 - 4 - 4 - 4}{4} = \frac{55 + 55 + 5555 - 5 - 5 - 5}{5} = \frac{66 + 66 + 6666 - 6 - 6 - 6}{6} \\ &:= \frac{77 + 77 + 7777 - 7 - 7 - 7}{7} = \frac{88 + 88 + 8888 - 8 - 8 - 8}{8} = \frac{99 + 99 + 9999 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11130} &:= \frac{11 + 11 + 11111 - 1 - 1 - 1}{1} = \frac{22 + 22 + 22222 - 2 - 2 - 2}{2} = \frac{33 + 33 + 33333 - 3 - 3 - 3}{3} \\ &:= \frac{44 + 44 + 44444 - 4 - 4 - 4}{4} = \frac{55 + 55 + 55555 - 5 - 5 - 5}{5} = \frac{66 + 66 + 66666 - 6 - 6 - 6}{6} \\ &:= \frac{77 + 77 + 77777 - 7 - 7 - 7}{7} = \frac{88 + 88 + 88888 - 8 - 8 - 8}{8} = \frac{99 + 99 + 99999 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111130} &:= \frac{11 + 11 + 111111 - 1 - 1 - 1}{1} = \frac{22 + 22 + 222222 - 2 - 2 - 2}{2} = \frac{33 + 33 + 333333 - 3 - 3 - 3}{3} \\ &:= \frac{44 + 44 + 444444 - 4 - 4 - 4}{4} = \frac{55 + 55 + 555555 - 5 - 5 - 5}{5} = \frac{66 + 66 + 666666 - 6 - 6 - 6}{6} \\ &:= \frac{77 + 77 + 777777 - 7 - 7 - 7}{7} = \frac{88 + 88 + 888888 - 8 - 8 - 8}{8} = \frac{99 + 99 + 999999 - 9 - 9 - 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{131} &:= \frac{11 + 11 + 111 - 1 - 1}{1} = \frac{22 + 22 + 222 - 2 - 2}{2} = \frac{33 + 33 + 333 - 3 - 3}{3} \\ &:= \frac{44 + 44 + 444 - 4 - 4}{4} = \frac{55 + 55 + 555 - 5 - 5}{5} = \frac{66 + 66 + 666 - 6 - 6}{6} \\ &:= \frac{77 + 77 + 777 - 7 - 7}{7} = \frac{88 + 88 + 888 - 8 - 8}{8} = \frac{99 + 99 + 999 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1131} &:= \frac{11 + 11 + 1111 - 1 - 1}{1} = \frac{22 + 22 + 2222 - 2 - 2}{2} = \frac{33 + 33 + 3333 - 3 - 3}{3} \\ &:= \frac{44 + 44 + 4444 - 4 - 4}{4} = \frac{55 + 55 + 5555 - 5 - 5}{5} = \frac{66 + 66 + 6666 - 6 - 6}{6} \\ &:= \frac{77 + 77 + 7777 - 7 - 7}{7} = \frac{88 + 88 + 8888 - 8 - 8}{8} = \frac{99 + 99 + 9999 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11131} &:= \frac{11 + 11 + 11111 - 1 - 1}{1} = \frac{22 + 22 + 22222 - 2 - 2}{2} = \frac{33 + 33 + 33333 - 3 - 3}{3} \\ &:= \frac{44 + 44 + 44444 - 4 - 4}{4} = \frac{55 + 55 + 55555 - 5 - 5}{5} = \frac{66 + 66 + 66666 - 6 - 6}{6} \\ &:= \frac{77 + 77 + 77777 - 7 - 7}{7} = \frac{88 + 88 + 88888 - 8 - 8}{8} = \frac{99 + 99 + 99999 - 9 - 9}{9} \end{aligned}$$

111131

$$:= \frac{11 + 11 + 111111 - 1 - 1}{1} = \frac{22 + 22 + 222222 - 2 - 2}{2} = \frac{33 + 33 + 333333 - 3 - 3}{3}$$

$$:= \frac{44 + 44 + 444444 - 4 - 4}{4} = \frac{55 + 55 + 555555 - 5 - 5}{5} = \frac{66 + 66 + 666666 - 6 - 6}{6}$$

$$:= \frac{77 + 77 + 777777 - 7 - 7}{7} = \frac{88 + 88 + 888888 - 8 - 8}{8} = \frac{99 + 99 + 999999 - 9 - 9}{9}$$

► 132

$$:= \frac{11 + 11 + 111 - 1}{1} = \frac{22 + 22 + 222 - 2}{2} = \frac{33 + 33 + 333 - 3}{3}$$

$$:= \frac{44 + 44 + 444 - 4}{4} = \frac{55 + 55 + 555 - 5}{5} = \frac{66 + 66 + 666 - 6}{6}$$

$$:= \frac{77 + 77 + 777 - 7}{7} = \frac{88 + 88 + 888 - 8}{8} = \frac{99 + 99 + 999 - 9}{9}$$

1132

$$:= \frac{11 + 11 + 1111 - 1}{1} = \frac{22 + 22 + 2222 - 2}{2} = \frac{33 + 33 + 3333 - 3}{3}$$

$$:= \frac{44 + 44 + 4444 - 4}{4} = \frac{55 + 55 + 5555 - 5}{5} = \frac{66 + 66 + 6666 - 6}{6}$$

$$:= \frac{77 + 77 + 7777 - 7}{7} = \frac{88 + 88 + 8888 - 8}{8} = \frac{99 + 99 + 9999 - 9}{9}$$

11132

$$:= \frac{11 + 11 + 11111 - 1}{1} = \frac{22 + 22 + 22222 - 2}{2} = \frac{33 + 33 + 33333 - 3}{3}$$

$$:= \frac{44 + 44 + 44444 - 4}{4} = \frac{55 + 55 + 55555 - 5}{5} = \frac{66 + 66 + 66666 - 6}{6}$$

$$:= \frac{77 + 77 + 77777 - 7}{7} = \frac{88 + 88 + 88888 - 8}{8} = \frac{99 + 99 + 99999 - 9}{9}$$

111132

$$:= \frac{11 + 11 + 111111 - 1}{1} = \frac{22 + 22 + 222222 - 2}{2} = \frac{33 + 33 + 333333 - 3}{3}$$

$$:= \frac{44 + 44 + 444444 - 4}{4} = \frac{55 + 55 + 555555 - 5}{5} = \frac{66 + 66 + 666666 - 6}{6}$$

$$:= \frac{77 + 77 + 777777 - 7}{7} = \frac{88 + 88 + 888888 - 8}{8} = \frac{99 + 99 + 999999 - 9}{9}$$

► 133

$$:= \frac{111 + 11 + 11}{1} = \frac{222 + 22 + 22}{2} = \frac{333 + 33 + 33}{3}$$

$$:= \frac{444 + 44 + 44}{4} = \frac{555 + 55 + 55}{5} = \frac{666 + 66 + 66}{6}$$

$$:= \frac{777 + 77 + 77}{7} = \frac{888 + 88 + 88}{8} = \frac{999 + 99 + 99}{9}$$

1133

$$:= \frac{1111 + 11 + 11}{1} = \frac{2222 + 22 + 22}{2} = \frac{3333 + 33 + 33}{3}$$

$$:= \frac{4444 + 44 + 44}{4} = \frac{5555 + 55 + 55}{5} = \frac{6666 + 66 + 66}{6}$$

$$:= \frac{7777 + 77 + 77}{7} = \frac{8888 + 88 + 88}{8} = \frac{9999 + 99 + 99}{9}$$

$$\begin{aligned} \textcolor{red}{11133} &:= \frac{11111 + 11 + 11}{1} = \frac{22222 + 22 + 22}{2} = \frac{33333 + 33 + 33}{3} \\ &:= \frac{44444 + 44 + 44}{4} = \frac{55555 + 55 + 55}{5} = \frac{66666 + 66 + 66}{6} \\ &:= \frac{77777 + 77 + 77}{7} = \frac{88888 + 88 + 88}{8} = \frac{99999 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111133} &:= \frac{111111 + 11 + 11}{1} = \frac{222222 + 22 + 22}{2} = \frac{333333 + 33 + 33}{3} \\ &:= \frac{444444 + 44 + 44}{4} = \frac{555555 + 55 + 55}{5} = \frac{666666 + 66 + 66}{6} \\ &:= \frac{777777 + 77 + 77}{7} = \frac{888888 + 88 + 88}{8} = \frac{999999 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{134} &:= \frac{111 + 11 + 11 + 1}{1} = \frac{222 + 22 + 22 + 2}{2} = \frac{333 + 33 + 33 + 3}{3} \\ &:= \frac{444 + 44 + 44 + 4}{4} = \frac{555 + 55 + 55 + 5}{5} = \frac{666 + 66 + 66 + 6}{6} \\ &:= \frac{777 + 77 + 77 + 7}{7} = \frac{888 + 88 + 88 + 8}{8} = \frac{999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1134} &:= \frac{1111 + 11 + 11 + 1}{1} = \frac{2222 + 22 + 22 + 2}{2} = \frac{3333 + 33 + 33 + 3}{3} \\ &:= \frac{4444 + 44 + 44 + 4}{4} = \frac{5555 + 55 + 55 + 5}{5} = \frac{6666 + 66 + 66 + 6}{6} \\ &:= \frac{7777 + 77 + 77 + 7}{7} = \frac{8888 + 88 + 88 + 8}{8} = \frac{9999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11134} &:= \frac{11111 + 11 + 11 + 1}{1} = \frac{22222 + 22 + 22 + 2}{2} = \frac{33333 + 33 + 33 + 3}{3} \\ &:= \frac{44444 + 44 + 44 + 4}{4} = \frac{55555 + 55 + 55 + 5}{5} = \frac{66666 + 66 + 66 + 6}{6} \\ &:= \frac{77777 + 77 + 77 + 7}{7} = \frac{88888 + 88 + 88 + 8}{8} = \frac{99999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111134} &:= \frac{111111 + 11 + 11 + 1}{1} = \frac{222222 + 22 + 22 + 2}{2} = \frac{333333 + 33 + 33 + 3}{3} \\ &:= \frac{444444 + 44 + 44 + 4}{4} = \frac{555555 + 55 + 55 + 5}{5} = \frac{666666 + 66 + 66 + 6}{6} \\ &:= \frac{777777 + 77 + 77 + 7}{7} = \frac{888888 + 88 + 88 + 8}{8} = \frac{999999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{135} := \frac{111 + 11 + 11 + 1 + 1}{1} = \frac{222 + 22 + 22 + 2 + 2}{2} = \frac{333 + 33 + 33 + 3 + 3}{3}$$

$$\begin{aligned} &:= \frac{444 + 44 + 44 + 4 + 4}{4} = \frac{555 + 55 + 55 + 5 + 5}{5} = \frac{666 + 66 + 66 + 6 + 6}{6} \\ &:= \frac{777 + 77 + 77 + 7 + 7}{7} = \frac{888 + 88 + 88 + 8 + 8}{8} = \frac{999 + 99 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1135} &:= \frac{1111 + 11 + 11 + 1 + 1}{1} = \frac{2222 + 22 + 22 + 2 + 2}{2} = \frac{3333 + 33 + 33 + 3 + 3}{3} \\ &:= \frac{4444 + 44 + 44 + 4 + 4}{4} = \frac{5555 + 55 + 55 + 5 + 5}{5} = \frac{6666 + 66 + 66 + 6 + 6}{6} \\ &:= \frac{7777 + 77 + 77 + 7 + 7}{7} = \frac{8888 + 88 + 88 + 8 + 8}{8} = \frac{9999 + 99 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11135} &:= \frac{11111 + 11 + 11 + 1 + 1}{1} = \frac{22222 + 22 + 22 + 2 + 2}{2} = \frac{33333 + 33 + 33 + 3 + 3}{3} \\ &:= \frac{44444 + 44 + 44 + 4 + 4}{4} = \frac{55555 + 55 + 55 + 5 + 5}{5} = \frac{66666 + 66 + 66 + 6 + 6}{6} \\ &:= \frac{77777 + 77 + 77 + 7 + 7}{7} = \frac{88888 + 88 + 88 + 8 + 8}{8} = \frac{99999 + 99 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111135} &:= \frac{111111 + 11 + 11 + 1 + 1}{1} = \frac{222222 + 22 + 22 + 2 + 2}{2} = \frac{333333 + 33 + 33 + 3 + 3}{3} \\ &:= \frac{444444 + 44 + 44 + 4 + 4}{4} = \frac{555555 + 55 + 55 + 5 + 5}{5} = \frac{666666 + 66 + 66 + 6 + 6}{6} \\ &:= \frac{777777 + 77 + 77 + 7 + 7}{7} = \frac{888888 + 88 + 88 + 8 + 8}{8} = \frac{999999 + 99 + 99 + 9 + 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{136} &:= \frac{111 + 11 + 11 + 1 + 1 + 1}{1} = \frac{222 + 22 + 22 + 2 + 2 + 2}{2} = \frac{333 + 33 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{444 + 44 + 44 + 4 + 4 + 4}{4} = \frac{555 + 55 + 55 + 5 + 5 + 5}{5} = \frac{666 + 66 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{777 + 77 + 77 + 7 + 7 + 7}{7} = \frac{888 + 88 + 88 + 8 + 8 + 8}{8} = \frac{999 + 99 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1136} &:= \frac{1111 + 11 + 11 + 1 + 1 + 1}{1} = \frac{2222 + 22 + 22 + 2 + 2 + 2}{2} = \frac{3333 + 33 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{4444 + 44 + 44 + 4 + 4 + 4}{4} = \frac{5555 + 55 + 55 + 5 + 5 + 5}{5} = \frac{6666 + 66 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{7777 + 77 + 77 + 7 + 7 + 7}{7} = \frac{8888 + 88 + 88 + 8 + 8 + 8}{8} = \frac{9999 + 99 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11136} &:= \frac{11111 + 11 + 11 + 1 + 1 + 1}{1} = \frac{22222 + 22 + 22 + 2 + 2 + 2}{2} = \frac{33333 + 33 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{44444 + 44 + 44 + 4 + 4 + 4}{4} = \frac{55555 + 55 + 55 + 5 + 5 + 5}{5} = \frac{66666 + 66 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{77777 + 77 + 77 + 7 + 7 + 7}{7} = \frac{88888 + 88 + 88 + 8 + 8 + 8}{8} = \frac{99999 + 99 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

111136 :=
$$\frac{111111+11+11+1+1+1}{1} = \frac{222222+22+22+2+2+2}{2} = \frac{333333+33+33+3+3+3}{3}$$
$$:= \frac{444444+44+44+4+4+4}{4} = \frac{555555+55+55+5+5+5}{5} = \frac{666666+66+66+6+6+6}{6}$$
$$:= \frac{777777+77+77+7+7+7}{7} = \frac{888888+88+88+8+8+8}{8} = \frac{999999+99+99+9+9+9}{9}$$

► **137** :=
$$\frac{111+11+11+1+1+1+1}{1} = \frac{222+22+22+2+2+2+2}{2} = \frac{333+33+33+3+3+3+3}{3}$$
$$:= \frac{444+44+44+4+4+4+4}{4} = \frac{555+55+55+5+5+5+5}{5} = \frac{666+66+66+6+6+6+6}{6}$$
$$:= \frac{777+77+77+7+7+7+7}{7} = \frac{888+88+88+8+8+8+8}{8} = \frac{999+99+99+9+9+9+9}{9}$$

1137 :=
$$\frac{1111+11+11+1+1+1+1}{1} = \frac{2222+22+22+2+2+2+2}{2} = \frac{3333+33+33+3+3+3+3}{3}$$
$$:= \frac{4444+44+44+4+4+4+4}{4} = \frac{5555+55+55+5+5+5+5}{5} = \frac{6666+66+66+6+6+6+6}{6}$$
$$:= \frac{7777+77+77+7+7+7+7}{7} = \frac{8888+88+88+8+8+8+8}{8} = \frac{9999+99+99+9+9+9+9}{9}$$

11137 :=
$$\frac{11111+11+11+1+1+1+1}{1} = \frac{22222+22+22+2+2+2+2}{2} = \frac{33333+33+33+3+3+3+3}{3}$$
$$:= \frac{44444+44+44+4+4+4+4}{4} = \frac{55555+55+55+5+5+5+5}{5} = \frac{66666+66+66+6+6+6+6}{6}$$
$$:= \frac{77777+77+77+7+7+7+7}{7} = \frac{88888+88+88+8+8+8+8}{8} = \frac{99999+99+99+9+9+9+9}{9}$$

111137 :=
$$\frac{111111+11+11+1+1+1+1}{1} = \frac{222222+22+22+2+2+2+2}{2} = \frac{333333+33+33+3+3+3+3}{3}$$
$$:= \frac{444444+44+44+4+4+4+4}{4} = \frac{555555+55+55+5+5+5+5}{5} = \frac{666666+66+66+6+6+6+6}{6}$$
$$:= \frac{777777+77+77+7+7+7+7}{7} = \frac{888888+88+88+8+8+8+8}{8} = \frac{999999+99+99+9+9+9+9}{9}$$

► **138** :=
$$\frac{111+11+11+1+1+1+1+1}{1} = \frac{222+22+22+2+2+2+2+2}{2} = \frac{333+33+33+3+3+3+3+3}{3}$$
$$:= \frac{444+44+44+4+4+4+4+4}{4} = \frac{555+55+55+5+5+5+5+5}{5} = \frac{666+66+66+6+6+6+6+6}{6}$$
$$:= \frac{777+77+77+7+7+7+7+7}{7} = \frac{888+88+88+8+8+8+8+8}{8} = \frac{999+99+99+9+9+9+9+9}{9}$$

1138 :=
$$\frac{1111+11+11+1+1+1+1+1}{1} = \frac{2222+22+22+2+2+2+2+2}{2} = \frac{3333+33+33+3+3+3+3+3}{3}$$
$$:= \frac{4444+44+44+4+4+4+4+4}{4} = \frac{5555+55+55+5+5+5+5+5}{5} = \frac{6666+66+66+6+6+6+6+6}{6}$$

$$:= \frac{7777 + 77 + 77 + 7 + 7 + 7 + 7 + 7}{7} = \frac{8888 + 88 + 88 + 8 + 8 + 8 + 8 + 8}{8} = \frac{9999 + 99 + 99 + 9 + 9 + 9 + 9 + 9}{9}$$

$$\begin{aligned} \textcolor{red}{11138} &:= \frac{11111 + 11 + 11 + 1 + 1 + 1 + 1 + 1}{1} = \frac{22222 + 22 + 22 + 2 + 2 + 2 + 2 + 2}{2} = \frac{33333 + 33 + 33 + 3 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{44444 + 44 + 44 + 4 + 4 + 4 + 4 + 4}{4} = \frac{55555 + 55 + 55 + 5 + 5 + 5 + 5 + 5}{5} = \frac{66666 + 66 + 66 + 6 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{77777 + 77 + 77 + 7 + 7 + 7 + 7 + 7}{7} = \frac{88888 + 88 + 88 + 8 + 8 + 8 + 8 + 8}{8} = \frac{99999 + 99 + 99 + 9 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111138} &:= \frac{111111 + 11 + 11 + 1 + 1 + 1 + 1 + 1}{1} = \frac{222222 + 22 + 22 + 2 + 2 + 2 + 2 + 2}{2} = \frac{333333 + 33 + 33 + 3 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{444444 + 44 + 44 + 4 + 4 + 4 + 4 + 4}{4} = \frac{555555 + 55 + 55 + 5 + 5 + 5 + 5 + 5}{5} = \frac{666666 + 66 + 66 + 6 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{777777 + 77 + 77 + 7 + 7 + 7 + 7 + 7}{7} = \frac{888888 + 88 + 88 + 8 + 8 + 8 + 8 + 8}{8} = \frac{999999 + 99 + 99 + 9 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{139} &:= \frac{1111 + 1}{11 - 1 - 1 - 1} = \frac{2222 + 2}{22 - 2 - 2 - 2} = \frac{3333 + 3}{33 - 3 - 3 - 3} = \frac{4444 + 4}{44 - 4 - 4 - 4} = \frac{5555 + 5}{55 - 5 - 5 - 5} = \frac{6666 + 6}{66 - 6 - 6 - 6} \\ &:= \frac{7777 + 7}{77 - 7 - 7 - 7} = \frac{8888 + 8}{88 - 8 - 8 - 8} = \frac{9999 + 9}{99 - 9 - 9 - 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1389} &:= \frac{11111 + 1}{11 - 1 - 1 - 1} = \frac{22222 + 2}{22 - 2 - 2 - 2} = \frac{33333 + 3}{33 - 3 - 3 - 3} = \frac{44444 + 4}{44 - 4 - 4 - 4} = \frac{55555 + 5}{55 - 5 - 5 - 5} = \frac{66666 + 6}{66 - 6 - 6 - 6} \\ &:= \frac{77777 + 7}{77 - 7 - 7 - 7} = \frac{88888 + 8}{88 - 8 - 8 - 8} = \frac{99999 + 9}{99 - 9 - 9 - 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{13889} &:= \frac{111111 + 1}{11 - 1 - 1 - 1} = \frac{222222 + 2}{22 - 2 - 2 - 2} = \frac{333333 + 3}{33 - 3 - 3 - 3} = \frac{444444 + 4}{44 - 4 - 4 - 4} = \frac{555555 + 5}{55 - 5 - 5 - 5} = \frac{666666 + 6}{66 - 6 - 6 - 6} \\ &:= \frac{777777 + 7}{77 - 7 - 7 - 7} = \frac{888888 + 8}{88 - 8 - 8 - 8} = \frac{999999 + 9}{99 - 9 - 9 - 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{138889} &:= \frac{1111111 + 1}{11 - 1 - 1 - 1} = \frac{2222222 + 2}{22 - 2 - 2 - 2} = \frac{3333333 + 3}{33 - 3 - 3 - 3} = \frac{4444444 + 4}{44 - 4 - 4 - 4} = \frac{5555555 + 5}{55 - 5 - 5 - 5} = \frac{6666666 + 6}{66 - 6 - 6 - 6} \\ &:= \frac{7777777 + 7}{77 - 7 - 7 - 7} = \frac{8888888 + 8}{88 - 8 - 8 - 8} = \frac{9999999 + 9}{99 - 9 - 9 - 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{140} &:= \frac{(11 + 1 + 1 + 1) \times (11 - 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2) \times (22 - 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4) \times (44 - 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5) \times (55 - 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7) \times (77 - 7)}{7 \times 7} = \frac{(88 + 8 + 8 + 8) \times (88 - 8)}{8 \times 8} = \frac{(99 + 9 + 9 + 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\textcolor{red}{1140} := \frac{(111 + 1 + 1 + 1) \times (11 - 1)}{1 \times 1} = \frac{(222 + 2 + 2 + 2) \times (22 - 2)}{2 \times 2} = \frac{(333 + 3 + 3 + 3) \times (33 - 3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 4 + 4 + 4) \times (44 - 4)}{4 \times 4} = \frac{(555 + 5 + 5 + 5) \times (55 - 5)}{5 \times 5} = \frac{(666 + 6 + 6 + 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(777 + 7 + 7 + 7) \times (77 - 7)}{7 \times 7} = \frac{(888 + 8 + 8 + 8) \times (88 - 8)}{8 \times 8} = \frac{(999 + 9 + 9 + 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{11140} &:= \frac{(1111 + 1 + 1 + 1) \times (11 - 1)}{1 \times 1} = \frac{(2222 + 2 + 2 + 2) \times (22 - 2)}{2 \times 2} = \frac{(3333 + 3 + 3 + 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(4444 + 4 + 4 + 4) \times (44 - 4)}{4 \times 4} = \frac{(5555 + 5 + 5 + 5) \times (55 - 5)}{5 \times 5} = \frac{(6666 + 6 + 6 + 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(7777 + 7 + 7 + 7) \times (77 - 7)}{7 \times 7} = \frac{(8888 + 8 + 8 + 8) \times (88 - 8)}{8 \times 8} = \frac{(9999 + 9 + 9 + 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{111140} &:= \frac{(11111 + 1 + 1 + 1) \times (11 - 1)}{1 \times 1} = \frac{(22222 + 2 + 2 + 2) \times (22 - 2)}{2 \times 2} = \frac{(33333 + 3 + 3 + 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(44444 + 4 + 4 + 4) \times (44 - 4)}{4 \times 4} = \frac{(55555 + 5 + 5 + 5) \times (55 - 5)}{5 \times 5} = \frac{(66666 + 6 + 6 + 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(77777 + 7 + 7 + 7) \times (77 - 7)}{7 \times 7} = \frac{(88888 + 8 + 8 + 8) \times (88 - 8)}{8 \times 8} = \frac{(99999 + 9 + 9 + 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{141} &:= \frac{(11 + 1 + 1) \times 11 - (1 + 1) \times 1}{1 \times 1} = \frac{(22 + 2 + 2) \times 22 - (2 + 2) \times 2}{2 \times 2} = \frac{(33 + 3 + 3) \times 33 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4) \times 44 - (4 + 4) \times 4}{4 \times 4} = \frac{(55 + 5 + 5) \times 55 - (5 + 5) \times 5}{5 \times 5} = \frac{(66 + 6 + 6) \times 66 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7) \times 77 - (7 + 7) \times 7}{7 \times 7} = \frac{(88 + 8 + 8) \times 88 - (8 + 8) \times 8}{8 \times 8} = \frac{(99 + 9 + 9) \times 99 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1441} &:= \frac{(11 + 1 + 1) \times 111 - (1 + 1) \times 1}{1 \times 1} = \frac{(22 + 2 + 2) \times 222 - (2 + 2) \times 2}{2 \times 2} = \frac{(33 + 3 + 3) \times 333 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4) \times 444 - (4 + 4) \times 4}{4 \times 4} = \frac{(55 + 5 + 5) \times 555 - (5 + 5) \times 5}{5 \times 5} = \frac{(66 + 6 + 6) \times 666 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7) \times 777 - (7 + 7) \times 7}{7 \times 7} = \frac{(88 + 8 + 8) \times 888 - (8 + 8) \times 8}{8 \times 8} = \frac{(99 + 9 + 9) \times 999 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{14441} &:= \frac{(11 + 1 + 1) \times 1111 - (1 + 1) \times 1}{1 \times 1} = \frac{(22 + 2 + 2) \times 2222 - (2 + 2) \times 2}{2 \times 2} = \frac{(33 + 3 + 3) \times 3333 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4) \times 4444 - (4 + 4) \times 4}{4 \times 4} = \frac{(55 + 5 + 5) \times 5555 - (5 + 5) \times 5}{5 \times 5} = \frac{(66 + 6 + 6) \times 6666 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7) \times 7777 - (7 + 7) \times 7}{7 \times 7} = \frac{(88 + 8 + 8) \times 8888 - (8 + 8) \times 8}{8 \times 8} = \frac{(99 + 9 + 9) \times 9999 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{144441} &:= \frac{(11 + 1 + 1) \times 11111 - (1 + 1) \times 1}{1 \times 1} = \frac{(22 + 2 + 2) \times 22222 - (2 + 2) \times 2}{2 \times 2} = \frac{(33 + 3 + 3) \times 33333 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4) \times 44444 - (4 + 4) \times 4}{4 \times 4} = \frac{(55 + 5 + 5) \times 55555 - (5 + 5) \times 5}{5 \times 5} = \frac{(66 + 6 + 6) \times 66666 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7) \times 77777 - (7 + 7) \times 7}{7 \times 7} = \frac{(88 + 8 + 8) \times 88888 - (8 + 8) \times 8}{8 \times 8} = \frac{(99 + 9 + 9) \times 99999 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 142 &:= \frac{(11+1+1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22+2+2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33+3+3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55+5+5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66+6+6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88+8+8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99+9+9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 1242 &:= \frac{(111+1+1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(222+2+2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(333+3+3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+4+4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(555+5+5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(666+6+6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(777+7+7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(888+8+8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(999+9+9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 12242 &:= \frac{(1111+1+1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(2222+2+2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(3333+3+3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4+4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(5555+5+5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(6666+6+6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7+7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(8888+8+8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(9999+9+9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 122242 &:= \frac{(11111+1+1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22222+2+2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33333+3+3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+4+4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55555+5+5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66666+6+6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+7+7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88888+8+8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99999+9+9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 143 &:= \frac{(11+1+1) \times 11}{1 \times 1} = \frac{(22+2+2) \times 22}{2 \times 2} = \frac{(33+3+3) \times 33}{3 \times 3} \\ &:= \frac{(44+4+4) \times 44}{4 \times 4} = \frac{(55+5+5) \times 55}{5 \times 5} = \frac{(66+6+6) \times 66}{6 \times 6} \\ &:= \frac{(77+7+7) \times 77}{7 \times 7} = \frac{(88+8+8) \times 88}{8 \times 8} = \frac{(99+9+9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 1243 &:= \frac{(111+1+1) \times 11}{1 \times 1} = \frac{(222+2+2) \times 22}{2 \times 2} = \frac{(333+3+3) \times 33}{3 \times 3} \\ &:= \frac{(444+4+4) \times 44}{4 \times 4} = \frac{(555+5+5) \times 55}{5 \times 5} = \frac{(666+6+6) \times 66}{6 \times 6} \\ &:= \frac{(777+7+7) \times 77}{7 \times 7} = \frac{(888+8+8) \times 88}{8 \times 8} = \frac{(999+9+9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 12243 &:= \frac{(1111+1+1) \times 11}{1 \times 1} = \frac{(2222+2+2) \times 22}{2 \times 2} = \frac{(3333+3+3) \times 33}{3 \times 3} \\ &:= \frac{(4444+4+4) \times 44}{4 \times 4} = \frac{(5555+5+5) \times 55}{5 \times 5} = \frac{(6666+6+6) \times 66}{6 \times 6} \\ &:= \frac{(7777+7+7) \times 77}{7 \times 7} = \frac{(8888+8+8) \times 88}{8 \times 8} = \frac{(9999+9+9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{122243} &:= \frac{(11111 + 1 + 1) \times 11}{1 \times 1} = \frac{(22222 + 2 + 2) \times 22}{2 \times 2} = \frac{(33333 + 3 + 3) \times 33}{3 \times 3} \\ &:= \frac{(44444 + 4 + 4) \times 44}{4 \times 4} = \frac{(55555 + 5 + 5) \times 55}{5 \times 5} = \frac{(66666 + 6 + 6) \times 66}{6 \times 6} \\ &:= \frac{(77777 + 7 + 7) \times 77}{7 \times 7} = \frac{(88888 + 8 + 8) \times 88}{8 \times 8} = \frac{(99999 + 9 + 9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{144} &:= \frac{111 + 11 + 11 + 11}{1} = \frac{222 + 22 + 22 + 22}{2} = \frac{333 + 33 + 33 + 33}{3} \\ &:= \frac{444 + 44 + 44 + 44}{4} = \frac{555 + 55 + 55 + 55}{5} = \frac{666 + 66 + 66 + 66}{6} \\ &:= \frac{777 + 77 + 77 + 77}{7} = \frac{888 + 88 + 88 + 88}{8} = \frac{999 + 99 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{1144} &:= \frac{1111 + 11 + 11 + 11}{1} = \frac{2222 + 22 + 22 + 22}{2} = \frac{3333 + 33 + 33 + 33}{3} \\ &:= \frac{4444 + 44 + 44 + 44}{4} = \frac{5555 + 55 + 55 + 55}{5} = \frac{6666 + 66 + 66 + 66}{6} \\ &:= \frac{7777 + 77 + 77 + 77}{7} = \frac{8888 + 88 + 88 + 88}{8} = \frac{9999 + 99 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{11144} &:= \frac{11111 + 11 + 11 + 11}{1} = \frac{22222 + 22 + 22 + 22}{2} = \frac{33333 + 33 + 33 + 33}{3} \\ &:= \frac{44444 + 44 + 44 + 44}{4} = \frac{55555 + 55 + 55 + 55}{5} = \frac{66666 + 66 + 66 + 66}{6} \\ &:= \frac{77777 + 77 + 77 + 77}{7} = \frac{88888 + 88 + 88 + 88}{8} = \frac{99999 + 99 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{111144} &:= \frac{111111 + 11 + 11 + 11}{1} = \frac{222222 + 22 + 22 + 22}{2} = \frac{333333 + 33 + 33 + 33}{3} \\ &:= \frac{444444 + 44 + 44 + 44}{4} = \frac{555555 + 55 + 55 + 55}{5} = \frac{666666 + 66 + 66 + 66}{6} \\ &:= \frac{777777 + 77 + 77 + 77}{7} = \frac{888888 + 88 + 88 + 88}{8} = \frac{999999 + 99 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{145} &:= \frac{(11 + 1) \times (11 + 1) + 1 \times 1}{1 \times 1} = \frac{(22 + 2) \times (22 + 2) + 2 \times 2}{2 \times 2} = \frac{(33 + 3) \times (33 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 4) \times (44 + 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 5) \times (55 + 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 6) \times (66 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 7) \times (77 + 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 8) \times (88 + 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 9) \times (99 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1335} &:= \frac{(111 + 1) \times (11 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 2) \times (22 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 3) \times (33 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 4) \times (44 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 5) \times (55 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 6) \times (66 + 6) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(777+7) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(888+8) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(999+9) \times (99+9) + 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{13345} &:= \frac{(1111+1) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(2222+2) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(3333+3) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(5555+5) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(6666+6) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(8888+8) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(9999+9) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{133345} &:= \frac{(11111+1) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(22222+2) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(33333+3) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+4) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(55555+5) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(66666+6) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+7) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(88888+8) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(99999+9) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{146} &:= \frac{111+11+11+11+1+1}{1} = \frac{222+22+22+22+2+2}{2} = \frac{333+33+33+33+3+3}{3} \\ &:= \frac{444+44+44+44+4+4}{4} = \frac{555+55+55+55+5+5}{5} = \frac{666+66+66+66+6+6}{6} \\ &:= \frac{777+77+77+77+7+7}{7} = \frac{888+88+88+88+8+8}{8} = \frac{999+99+99+99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1146} &:= \frac{1111+11+11+11+1+1}{1} = \frac{2222+22+22+22+2+2}{2} = \frac{3333+33+33+33+3+3}{3} \\ &:= \frac{4444+44+44+44+4+4}{4} = \frac{5555+55+55+55+5+5}{5} = \frac{6666+66+66+66+6+6}{6} \\ &:= \frac{7777+77+77+77+7+7}{7} = \frac{8888+88+88+88+8+8}{8} = \frac{9999+99+99+99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11146} &:= \frac{11111+11+11+11+1+1}{1} = \frac{22222+22+22+22+2+2}{2} = \frac{33333+33+33+33+3+3}{3} \\ &:= \frac{44444+44+44+44+4+4}{4} = \frac{55555+55+55+55+5+5}{5} = \frac{66666+66+66+66+6+6}{6} \\ &:= \frac{77777+77+77+77+7+7}{7} = \frac{88888+88+88+88+8+8}{8} = \frac{99999+99+99+99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111146} &:= \frac{111111+11+11+11+1+1}{1} = \frac{222222+22+22+22+2+2}{2} = \frac{333333+33+33+33+3+3}{3} \\ &:= \frac{444444+44+44+44+4+4}{4} = \frac{555555+55+55+55+5+5}{5} = \frac{666666+66+66+66+6+6}{6} \\ &:= \frac{777777+77+77+77+7+7}{7} = \frac{888888+88+88+88+8+8}{8} = \frac{999999+99+99+99+9+9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{147} := \frac{111+11+11+11+1+1+1}{1} = \frac{222+22+22+22+2+2+2}{2} = \frac{333+33+33+33+3+3+3}{3}$$

$$\begin{aligned} &:= \frac{444 + 44 + 44 + 44 + 4 + 4 + 4}{4} = \frac{555 + 55 + 55 + 55 + 5 + 5 + 5}{5} = \frac{666 + 66 + 66 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{777 + 77 + 77 + 77 + 7 + 7 + 7}{7} = \frac{888 + 88 + 88 + 88 + 8 + 8 + 8}{8} = \frac{999 + 99 + 99 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

1147 := $\frac{1111 + 11 + 11 + 11 + 1 + 1 + 1}{1} = \frac{2222 + 22 + 22 + 22 + 2 + 2 + 2}{2} = \frac{3333 + 33 + 33 + 33 + 3 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{4444 + 44 + 44 + 44 + 4 + 4 + 4}{4} = \frac{5555 + 55 + 55 + 55 + 5 + 5 + 5}{5} = \frac{6666 + 66 + 66 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{7777 + 77 + 77 + 77 + 7 + 7 + 7}{7} = \frac{8888 + 88 + 88 + 88 + 8 + 8 + 8}{8} = \frac{9999 + 99 + 99 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

11147 := $\frac{11111 + 11 + 11 + 11 + 1 + 1 + 1}{1} = \frac{22222 + 22 + 22 + 22 + 2 + 2 + 2}{2} = \frac{33333 + 33 + 33 + 33 + 3 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{44444 + 44 + 44 + 44 + 4 + 4 + 4}{4} = \frac{55555 + 55 + 55 + 55 + 5 + 5 + 5}{5} = \frac{66666 + 66 + 66 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{77777 + 77 + 77 + 77 + 7 + 7 + 7}{7} = \frac{88888 + 88 + 88 + 88 + 8 + 8 + 8}{8} = \frac{99999 + 99 + 99 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

111147 := $\frac{111111 + 11 + 11 + 11 + 1 + 1 + 1}{1} = \frac{222222 + 22 + 22 + 22 + 2 + 2 + 2}{2} = \frac{333333 + 33 + 33 + 33 + 3 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{444444 + 44 + 44 + 44 + 4 + 4 + 4}{4} = \frac{555555 + 55 + 55 + 55 + 5 + 5 + 5}{5} = \frac{666666 + 66 + 66 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{777777 + 77 + 77 + 77 + 7 + 7 + 7}{7} = \frac{888888 + 88 + 88 + 88 + 8 + 8 + 8}{8} = \frac{999999 + 99 + 99 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

► **148** := $\frac{111 \times 1 + 111 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2 + 222 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3 + 333 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

$$\begin{aligned} &:= \frac{444 \times 4 + 444 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5 + 555 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6 + 666 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7 + 777 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8 + 888 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9 + 999 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

1148 := $\frac{111 \times 1 + 1111 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2 + 2222 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3 + 3333 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

$$\begin{aligned} &:= \frac{444 \times 4 + 4444 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5 + 5555 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6 + 6666 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7 + 7777 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8 + 8888 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9 + 9999 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

11148 := $\frac{111 \times 1 + 11111 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2 + 22222 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3 + 33333 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

$$\begin{aligned} &:= \frac{444 \times 4 + 44444 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5 + 55555 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6 + 66666 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7 + 77777 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8 + 88888 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9 + 99999 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

111148

$$\begin{aligned} &:= \frac{111 \times 1 + 111111 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2 + 222222 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3 + 333333 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 4 + 444444 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5 + 555555 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6 + 666666 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7 + 777777 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8 + 888888 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9 + 999999 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

► 149

$$\begin{aligned} &:= \frac{111 \times 1 + (111 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2 + (222 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3 + (333 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 4 + (444 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5 + (555 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6 + (666 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7 + (777 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8 + (888 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9 + (999 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

1149

$$\begin{aligned} &:= \frac{111 \times 1 + (1111 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2 + (2222 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3 + (3333 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 4 + (4444 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5 + (5555 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6 + (6666 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7 + (7777 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8 + (8888 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9 + (9999 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

11149

$$\begin{aligned} &:= \frac{111 \times 1 + (11111 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2 + (22222 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3 + (33333 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 4 + (44444 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5 + (55555 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6 + (66666 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7 + (77777 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8 + (88888 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9 + (99999 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

111149

$$\begin{aligned} &:= \frac{111 \times 1 + (111111 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2 + (222222 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3 + (333333 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 4 + (444444 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5 + (555555 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6 + (666666 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7 + (777777 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8 + (888888 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9 + (999999 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

► 150

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (11 - 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (22 - 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (44 - 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (55 - 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times (77 - 7)}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (88 - 8)}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

1650

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (111 - 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (222 - 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (333 - 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (444 - 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (555 - 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (666 - 6)}{6 \times 6} \end{aligned}$$

79

$$:= \frac{(77+7+7+7+7) \times (777-7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (888-8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (999-9)}{9 \times 9}$$

$$\begin{aligned} \mathbf{16650} &:= \frac{(11+1+1+1+1) \times (1111-1)}{1 \times 1} = \frac{(22+2+2+2+2) \times (2222-2)}{2 \times 2} = \frac{(33+3+3+3+3) \times (3333-3)}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times (4444-4)}{4 \times 4} = \frac{(55+5+5+5+5) \times (5555-5)}{5 \times 5} = \frac{(66+6+6+6+6) \times (6666-6)}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times (7777-7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (8888-8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (9999-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{166650} &:= \frac{(11+1+1+1+1) \times (11111-1)}{1 \times 1} = \frac{(22+2+2+2+2) \times (22222-2)}{2 \times 2} = \frac{(33+3+3+3+3) \times (33333-3)}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times (44444-4)}{4 \times 4} = \frac{(55+5+5+5+5) \times (55555-5)}{5 \times 5} = \frac{(66+6+6+6+6) \times (66666-6)}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times (77777-7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (88888-8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (99999-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{151} &:= \frac{(11+1+1+1) \times 11 - 1 \times (1+1+1)}{1 \times 1} = \frac{(22+2+2+2) \times 22 - 2 \times (2+2+2)}{2 \times 2} = \frac{(33+3+3+3) \times 33 - 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 44 - 4 \times (4+4+4)}{4 \times 4} = \frac{(55+5+5+5) \times 55 - 5 \times (5+5+5)}{5 \times 5} = \frac{(66+6+6+6) \times 66 - 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 77 - 7 \times (7+7+7)}{7 \times 7} = \frac{(88+8+8+8) \times 88 - 8 \times (8+8+8)}{8 \times 8} = \frac{(99+9+9+9) \times 99 - 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1551} &:= \frac{(11+1+1+1) \times 111 - 1 \times (1+1+1)}{1 \times 1} = \frac{(22+2+2+2) \times 222 - 2 \times (2+2+2)}{2 \times 2} = \frac{(33+3+3+3) \times 333 - 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 444 - 4 \times (4+4+4)}{4 \times 4} = \frac{(55+5+5+5) \times 555 - 5 \times (5+5+5)}{5 \times 5} = \frac{(66+6+6+6) \times 666 - 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 777 - 7 \times (7+7+7)}{7 \times 7} = \frac{(88+8+8+8) \times 888 - 8 \times (8+8+8)}{8 \times 8} = \frac{(99+9+9+9) \times 999 - 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{15551} &:= \frac{(11+1+1+1) \times 1111 - 1 \times (1+1+1)}{1 \times 1} = \frac{(22+2+2+2) \times 2222 - 2 \times (2+2+2)}{2 \times 2} = \frac{(33+3+3+3) \times 3333 - 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 4444 - 4 \times (4+4+4)}{4 \times 4} = \frac{(55+5+5+5) \times 5555 - 5 \times (5+5+5)}{5 \times 5} = \frac{(66+6+6+6) \times 6666 - 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 7777 - 7 \times (7+7+7)}{7 \times 7} = \frac{(88+8+8+8) \times 8888 - 8 \times (8+8+8)}{8 \times 8} = \frac{(99+9+9+9) \times 9999 - 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{155551} &:= \frac{(11+1+1+1) \times 11111 - 1 \times (1+1+1)}{1 \times 1} = \frac{(22+2+2+2) \times 22222 - 2 \times (2+2+2)}{2 \times 2} = \frac{(33+3+3+3) \times 33333 - 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 44444 - 4 \times (4+4+4)}{4 \times 4} = \frac{(55+5+5+5) \times 55555 - 5 \times (5+5+5)}{5 \times 5} = \frac{(66+6+6+6) \times 66666 - 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 77777 - 7 \times (7+7+7)}{7 \times 7} = \frac{(88+8+8+8) \times 88888 - 8 \times (8+8+8)}{8 \times 8} = \frac{(99+9+9+9) \times 99999 - 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{152} := \frac{(11+1+1+1) \times 11 - 1 \times (1+1)}{1 \times 1} = \frac{(22+2+2+2) \times 22 - 2 \times (2+2)}{2 \times 2} = \frac{(33+3+3+3) \times 33 - 3 \times (3+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+4+4+4) \times 44 - 4 \times (4+4)}{4 \times 4} = \frac{(55+5+5+5) \times 55 - 5 \times (5+5)}{5 \times 5} = \frac{(66+6+6+6) \times 66 - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 77 - 7 \times (7+7)}{7 \times 7} = \frac{(88+8+8+8) \times 88 - 8 \times (8+8)}{8 \times 8} = \frac{(99+9+9+9) \times 99 - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1552} &:= \frac{(11+1+1+1) \times 111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+2+2+2) \times 222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+3+3+3) \times 333 - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+5+5+5) \times 555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+6+6+6) \times 666 - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+8+8+8) \times 888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+9+9+9) \times 999 - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{15552} &:= \frac{(11+1+1+1) \times 1111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+2+2+2) \times 2222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+3+3+3) \times 3333 - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 4444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+5+5+5) \times 5555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+6+6+6) \times 6666 - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 7777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+8+8+8) \times 8888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+9+9+9) \times 9999 - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{155552} &:= \frac{(11+1+1+1) \times 11111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+2+2+2) \times 22222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+3+3+3) \times 33333 - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 44444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+5+5+5) \times 55555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+6+6+6) \times 66666 - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 77777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+8+8+8) \times 88888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+9+9+9) \times 99999 - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{153} &:= \frac{(11+1+1+1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1553} &:= \frac{(11+1+1+1) \times 111 - 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times 222 - 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times 333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 444 - 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times 555 - 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times 666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 777 - 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times 888 - 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times 999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{15553} &:= \frac{(11+1+1+1) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

155553 :=
$$\frac{(11+1+1+1) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times 33333 - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44+4+4+4) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times 66666 - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77+7+7+7) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times 99999 - 9 \times 9}{9 \times 9}$$

► **154** :=
$$\frac{(11+1+1+1) \times 11}{1 \times 1} = \frac{(22+2+2+2) \times 22}{2 \times 2} = \frac{(33+3+3+3) \times 33}{3 \times 3}$$
$$:= \frac{(44+4+4+4) \times 44}{4 \times 4} = \frac{(55+5+5+5) \times 55}{5 \times 5} = \frac{(66+6+6+6) \times 66}{6 \times 6}$$
$$:= \frac{(77+7+7+7) \times 77}{7 \times 7} = \frac{(88+8+8+8) \times 88}{8 \times 8} = \frac{(99+9+9+9) \times 99}{9 \times 9}$$

1554 :=
$$\frac{(11+1+1+1) \times 111}{1 \times 1} = \frac{(22+2+2+2) \times 222}{2 \times 2} = \frac{(33+3+3+3) \times 333}{3 \times 3}$$
$$:= \frac{(44+4+4+4) \times 444}{4 \times 4} = \frac{(55+5+5+5) \times 555}{5 \times 5} = \frac{(66+6+6+6) \times 666}{6 \times 6}$$
$$:= \frac{(77+7+7+7) \times 777}{7 \times 7} = \frac{(88+8+8+8) \times 888}{8 \times 8} = \frac{(99+9+9+9) \times 999}{9 \times 9}$$

15554 :=
$$\frac{(11+1+1+1) \times 1111}{1 \times 1} = \frac{(22+2+2+2) \times 2222}{2 \times 2} = \frac{(33+3+3+3) \times 3333}{3 \times 3}$$
$$:= \frac{(44+4+4+4) \times 4444}{4 \times 4} = \frac{(55+5+5+5) \times 5555}{5 \times 5} = \frac{(66+6+6+6) \times 6666}{6 \times 6}$$
$$:= \frac{(77+7+7+7) \times 7777}{7 \times 7} = \frac{(88+8+8+8) \times 8888}{8 \times 8} = \frac{(99+9+9+9) \times 9999}{9 \times 9}$$

155554 :=
$$\frac{(11+1+1+1) \times 11111}{1 \times 1} = \frac{(22+2+2+2) \times 22222}{2 \times 2} = \frac{(33+3+3+3) \times 33333}{3 \times 3}$$
$$:= \frac{(44+4+4+4) \times 44444}{4 \times 4} = \frac{(55+5+5+5) \times 55555}{5 \times 5} = \frac{(66+6+6+6) \times 66666}{6 \times 6}$$
$$:= \frac{(77+7+7+7) \times 77777}{7 \times 7} = \frac{(88+8+8+8) \times 88888}{8 \times 8} = \frac{(99+9+9+9) \times 99999}{9 \times 9}$$

► **155** :=
$$\frac{111+11+11+11+11}{1} = \frac{222+22+22+22+22}{2} = \frac{333+33+33+33+33}{3}$$
$$:= \frac{444+44+44+44+44}{4} = \frac{555+55+55+55+55}{5} = \frac{666+66+66+66+66}{6}$$
$$:= \frac{777+77+77+77+77}{7} = \frac{888+88+88+88+88}{8} = \frac{999+99+99+99+99}{9}$$

1155 :=
$$\frac{1111+11+11+11+11}{1} = \frac{2222+22+22+22+22}{2} = \frac{3333+33+33+33+33}{3}$$
$$:= \frac{4444+44+44+44+44}{4} = \frac{5555+55+55+55+55}{5} = \frac{6666+66+66+66+66}{6}$$

$$:= \frac{7777 + 77 + 77 + 77 + 77}{7} = \frac{8888 + 88 + 88 + 88 + 88}{8} = \frac{9999 + 99 + 99 + 99 + 99}{9}$$

11155 := $\frac{11111 + 11 + 11 + 11 + 11}{1} = \frac{22222 + 22 + 22 + 22 + 22}{2} = \frac{33333 + 33 + 33 + 33 + 33}{3}$

$$:= \frac{44444 + 44 + 44 + 44 + 44}{4} = \frac{55555 + 55 + 55 + 55 + 55}{5} = \frac{66666 + 66 + 66 + 66 + 66}{6}$$
$$:= \frac{77777 + 77 + 77 + 77 + 77}{7} = \frac{88888 + 88 + 88 + 88 + 88}{8} = \frac{99999 + 99 + 99 + 99 + 99}{9}$$

111155 := $\frac{111111 + 11 + 11 + 11 + 11}{1} = \frac{222222 + 22 + 22 + 22 + 22}{2} = \frac{333333 + 33 + 33 + 33 + 33}{3}$

$$:= \frac{444444 + 44 + 44 + 44 + 44}{4} = \frac{555555 + 55 + 55 + 55 + 55}{5} = \frac{666666 + 66 + 66 + 66 + 66}{6}$$
$$:= \frac{777777 + 77 + 77 + 77 + 77}{7} = \frac{888888 + 88 + 88 + 88 + 88}{8} = \frac{999999 + 99 + 99 + 99 + 99}{9}$$

► **156** := $\frac{111 + 11 + 11 + 11 + 11 + 1}{1} = \frac{222 + 22 + 22 + 22 + 22 + 2}{2} = \frac{333 + 33 + 33 + 33 + 33 + 3}{3}$

$$:= \frac{444 + 44 + 44 + 44 + 44 + 4}{4} = \frac{555 + 55 + 55 + 55 + 55 + 5}{5} = \frac{666 + 66 + 66 + 66 + 66 + 6}{6}$$
$$:= \frac{777 + 77 + 77 + 77 + 77 + 7}{7} = \frac{888 + 88 + 88 + 88 + 88 + 8}{8} = \frac{999 + 99 + 99 + 99 + 99 + 9}{9}$$

1156 := $\frac{1111 + 11 + 11 + 11 + 11 + 1}{1} = \frac{2222 + 22 + 22 + 22 + 22 + 2}{2} = \frac{3333 + 33 + 33 + 33 + 33 + 3}{3}$

$$:= \frac{4444 + 44 + 44 + 44 + 44 + 4}{4} = \frac{5555 + 55 + 55 + 55 + 55 + 5}{5} = \frac{6666 + 66 + 66 + 66 + 66 + 6}{6}$$
$$:= \frac{7777 + 77 + 77 + 77 + 77 + 7}{7} = \frac{8888 + 88 + 88 + 88 + 88 + 8}{8} = \frac{9999 + 99 + 99 + 99 + 99 + 9}{9}$$

11156 := $\frac{11111 + 11 + 11 + 11 + 11 + 1}{1} = \frac{22222 + 22 + 22 + 22 + 22 + 2}{2} = \frac{33333 + 33 + 33 + 33 + 33 + 3}{3}$

$$:= \frac{44444 + 44 + 44 + 44 + 44 + 4}{4} = \frac{55555 + 55 + 55 + 55 + 55 + 5}{5} = \frac{66666 + 66 + 66 + 66 + 66 + 6}{6}$$
$$:= \frac{77777 + 77 + 77 + 77 + 77 + 7}{7} = \frac{88888 + 88 + 88 + 88 + 88 + 8}{8} = \frac{99999 + 99 + 99 + 99 + 99 + 9}{9}$$

111156 := $\frac{111111 + 11 + 11 + 11 + 11 + 1}{1} = \frac{222222 + 22 + 22 + 22 + 22 + 2}{2} = \frac{333333 + 33 + 33 + 33 + 33 + 3}{3}$

$$:= \frac{444444 + 44 + 44 + 44 + 44 + 4}{4} = \frac{555555 + 55 + 55 + 55 + 55 + 5}{5} = \frac{666666 + 66 + 66 + 66 + 66 + 6}{6}$$
$$:= \frac{777777 + 77 + 77 + 77 + 77 + 7}{7} = \frac{888888 + 88 + 88 + 88 + 88 + 8}{8} = \frac{999999 + 99 + 99 + 99 + 99 + 9}{9}$$

► **157** := $\frac{111 + 11 + 11 + 11 + 11 + 1 + 1}{1} = \frac{222 + 22 + 22 + 22 + 22 + 2 + 2}{2} = \frac{333 + 33 + 33 + 33 + 33 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{444 + 44 + 44 + 44 + 44 + 4 + 4}{4} = \frac{555 + 55 + 55 + 55 + 55 + 5 + 5}{5} = \frac{666 + 66 + 66 + 66 + 66 + 6 + 6}{6} \\ &:= \frac{777 + 77 + 77 + 77 + 77 + 7 + 7}{7} = \frac{888 + 88 + 88 + 88 + 88 + 8 + 8}{8} = \frac{999 + 99 + 99 + 99 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1157} &:= \frac{1111 + 11 + 11 + 11 + 11 + 1 + 1}{1} = \frac{2222 + 22 + 22 + 22 + 22 + 2 + 2}{2} = \frac{3333 + 33 + 33 + 33 + 33 + 3 + 3}{3} \\ &:= \frac{4444 + 44 + 44 + 44 + 44 + 4 + 4}{4} = \frac{5555 + 55 + 55 + 55 + 55 + 5 + 5}{5} = \frac{6666 + 66 + 66 + 66 + 66 + 6 + 6}{6} \\ &:= \frac{7777 + 77 + 77 + 77 + 77 + 7 + 7}{7} = \frac{8888 + 88 + 88 + 88 + 88 + 8 + 8}{8} = \frac{9999 + 99 + 99 + 99 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11157} &:= \frac{11111 + 11 + 11 + 11 + 11 + 1 + 1}{1} = \frac{22222 + 22 + 22 + 22 + 22 + 2 + 2}{2} = \frac{33333 + 33 + 33 + 33 + 33 + 3 + 3}{3} \\ &:= \frac{44444 + 44 + 44 + 44 + 44 + 4 + 4}{4} = \frac{55555 + 55 + 55 + 55 + 55 + 5 + 5}{5} = \frac{66666 + 66 + 66 + 66 + 66 + 6 + 6}{6} \\ &:= \frac{77777 + 77 + 77 + 77 + 77 + 7 + 7}{7} = \frac{88888 + 88 + 88 + 88 + 88 + 8 + 8}{8} = \frac{99999 + 99 + 99 + 99 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111157} &:= \frac{111111 + 11 + 11 + 11 + 11 + 1 + 1}{1} = \frac{222222 + 22 + 22 + 22 + 22 + 2 + 2}{2} = \frac{333333 + 33 + 33 + 33 + 33 + 3 + 3}{3} \\ &:= \frac{444444 + 44 + 44 + 44 + 44 + 4 + 4}{4} = \frac{555555 + 55 + 55 + 55 + 55 + 5 + 5}{5} = \frac{666666 + 66 + 66 + 66 + 66 + 6 + 6}{6} \\ &:= \frac{777777 + 77 + 77 + 77 + 77 + 7 + 7}{7} = \frac{888888 + 88 + 88 + 88 + 88 + 8 + 8}{8} = \frac{999999 + 99 + 99 + 99 + 99 + 9 + 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{158} &:= \frac{(11 + 1 + 1) \times (11 + 1) + (1 + 1) \times 1}{1 \times 1} = \frac{(22 + 2 + 2) \times (22 + 2) + (2 + 2) \times 2}{2 \times 2} = \frac{(33 + 3 + 3) \times (33 + 3) + (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4) \times (44 + 4) + (4 + 4) \times 4}{4 \times 4} = \frac{(55 + 5 + 5) \times (55 + 5) + (5 + 5) \times 5}{5 \times 5} = \frac{(66 + 6 + 6) \times (66 + 6) + (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7) \times (77 + 7) + (7 + 7) \times 7}{7 \times 7} = \frac{(88 + 8 + 8) \times (88 + 8) + (8 + 8) \times 8}{8 \times 8} = \frac{(99 + 9 + 9) \times (99 + 9) + (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1358} &:= \frac{(111 + 1 + 1) \times (11 + 1) + (1 + 1) \times 1}{1 \times 1} = \frac{(222 + 2 + 2) \times (22 + 2) + (2 + 2) \times 2}{2 \times 2} = \frac{(333 + 3 + 3) \times (33 + 3) + (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444 + 4 + 4) \times (44 + 4) + (4 + 4) \times 4}{4 \times 4} = \frac{(555 + 5 + 5) \times (55 + 5) + (5 + 5) \times 5}{5 \times 5} = \frac{(666 + 6 + 6) \times (66 + 6) + (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 + 7 + 7) \times (77 + 7) + (7 + 7) \times 7}{7 \times 7} = \frac{(888 + 8 + 8) \times (88 + 8) + (8 + 8) \times 8}{8 \times 8} = \frac{(999 + 9 + 9) \times (99 + 9) + (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{13358} &:= \frac{(1111 + 1 + 1) \times (11 + 1) + (1 + 1) \times 1}{1 \times 1} = \frac{(2222 + 2 + 2) \times (22 + 2) + (2 + 2) \times 2}{2 \times 2} = \frac{(3333 + 3 + 3) \times (33 + 3) + (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4 + 4) \times (44 + 4) + (4 + 4) \times 4}{4 \times 4} = \frac{(5555 + 5 + 5) \times (55 + 5) + (5 + 5) \times 5}{5 \times 5} = \frac{(6666 + 6 + 6) \times (66 + 6) + (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7 + 7) \times (77 + 7) + (7 + 7) \times 7}{7 \times 7} = \frac{(8888 + 8 + 8) \times (88 + 8) + (8 + 8) \times 8}{8 \times 8} = \frac{(9999 + 9 + 9) \times (99 + 9) + (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

133358

$$\begin{aligned} &:= \frac{(11111+1+1) \times (11+1) + (1+1) \times 1}{1 \times 1} = \frac{(22222+2+2) \times (22+2) + (2+2) \times 2}{2 \times 2} = \frac{(33333+3+3) \times (33+3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44444+4+4) \times (44+4) + (4+4) \times 4}{4 \times 4} = \frac{(55555+5+5) \times (55+5) + (5+5) \times 5}{5 \times 5} = \frac{(66666+6+6) \times (66+6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77777+7+7) \times (77+7) + (7+7) \times 7}{7 \times 7} = \frac{(88888+8+8) \times (88+8) + (8+8) \times 8}{8 \times 8} = \frac{(99999+9+9) \times (99+9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

► 159

$$\begin{aligned} &:= \frac{(11+1+1) \times (11+1) + (1+1+1) \times 1}{1 \times 1} = \frac{(22+2+2) \times (22+2) + (2+2+2) \times 2}{2 \times 2} = \frac{(33+3+3) \times (33+3) + (3+3+3) \times 3}{3 \times 3} \\ &:= \frac{(44+4+4) \times (44+4) + (4+4+4) \times 4}{4 \times 4} = \frac{(55+5+5) \times (55+5) + (5+5+5) \times 5}{5 \times 5} = \frac{(66+6+6) \times (66+6) + (6+6+6) \times 6}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77+7) + (7+7+7) \times 7}{7 \times 7} = \frac{(88+8+8) \times (88+8) + (8+8+8) \times 8}{8 \times 8} = \frac{(99+9+9) \times (99+9) + (9+9+9) \times 9}{9 \times 9} \end{aligned}$$

1359

$$\begin{aligned} &:= \frac{(111+1+1) \times (11+1) + (1+1+1) \times 1}{1 \times 1} = \frac{(222+2+2) \times (22+2) + (2+2+2) \times 2}{2 \times 2} = \frac{(333+3+3) \times (33+3) + (3+3+3) \times 3}{3 \times 3} \\ &:= \frac{(444+4+4) \times (44+4) + (4+4+4) \times 4}{4 \times 4} = \frac{(555+5+5) \times (55+5) + (5+5+5) \times 5}{5 \times 5} = \frac{(666+6+6) \times (66+6) + (6+6+6) \times 6}{6 \times 6} \\ &:= \frac{(777+7+7) \times (77+7) + (7+7+7) \times 7}{7 \times 7} = \frac{(888+8+8) \times (88+8) + (8+8+8) \times 8}{8 \times 8} = \frac{(999+9+9) \times (99+9) + (9+9+9) \times 9}{9 \times 9} \end{aligned}$$

13359

$$\begin{aligned} &:= \frac{(1111+1+1) \times (11+1) + (1+1+1) \times 1}{1 \times 1} = \frac{(2222+2+2) \times (22+2) + (2+2+2) \times 2}{2 \times 2} = \frac{(3333+3+3) \times (33+3) + (3+3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444+4+4) \times (44+4) + (4+4+4) \times 4}{4 \times 4} = \frac{(5555+5+5) \times (55+5) + (5+5+5) \times 5}{5 \times 5} = \frac{(6666+6+6) \times (66+6) + (6+6+6) \times 6}{6 \times 6} \\ &:= \frac{(7777+7+7) \times (77+7) + (7+7+7) \times 7}{7 \times 7} = \frac{(8888+8+8) \times (88+8) + (8+8+8) \times 8}{8 \times 8} = \frac{(9999+9+9) \times (99+9) + (9+9+9) \times 9}{9 \times 9} \end{aligned}$$

133359

$$\begin{aligned} &:= \frac{(11111+1+1) \times (11+1) + (1+1+1) \times 1}{1 \times 1} = \frac{(22222+2+2) \times (22+2) + (2+2+2) \times 2}{2 \times 2} = \frac{(33333+3+3) \times (33+3) + (3+3+3) \times 3}{3 \times 3} \\ &:= \frac{(44444+4+4) \times (44+4) + (4+4+4) \times 4}{4 \times 4} = \frac{(55555+5+5) \times (55+5) + (5+5+5) \times 5}{5 \times 5} = \frac{(66666+6+6) \times (66+6) + (6+6+6) \times 6}{6 \times 6} \\ &:= \frac{(77777+7+7) \times (77+7) + (7+7+7) \times 7}{7 \times 7} = \frac{(88888+8+8) \times (88+8) + (8+8+8) \times 8}{8 \times 8} = \frac{(99999+9+9) \times (99+9) + (9+9+9) \times 9}{9 \times 9} \end{aligned}$$

► 160

$$\begin{aligned} &:= \frac{(11+1+1+1+1+1) \times (11-1)}{1 \times 1} = \frac{(22+2+2+2+2+2) \times (22-2)}{2 \times 2} = \frac{(33+3+3+3+3+3) \times (33-3)}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times (44-4)}{4 \times 4} = \frac{(55+5+5+5+5+5) \times (55-5)}{5 \times 5} = \frac{(66+6+6+6+6+6) \times (66-6)}{6 \times 6} \\ &:= \frac{(77+7+7+7+7+7) \times (77-7)}{7 \times 7} = \frac{(88+8+8+8+8+8) \times (88-8)}{8 \times 8} = \frac{(99+9+9+9+9+9) \times (99-9)}{9 \times 9} \end{aligned}$$

1160

$$\begin{aligned} &:= \frac{(111+1+1+1+1+1) \times (11-1)}{1 \times 1} = \frac{(222+2+2+2+2+2) \times (22-2)}{2 \times 2} = \frac{(333+3+3+3+3+3) \times (33-3)}{3 \times 3} \\ &:= \frac{(444+4+4+4+4+4) \times (44-4)}{4 \times 4} = \frac{(555+5+5+5+5+5) \times (55-5)}{5 \times 5} = \frac{(666+6+6+6+6+6) \times (66-6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(777+7+7+7+7+7) \times (77-7)}{7 \times 7} = \frac{(888+8+8+8+8+8) \times (88-8)}{8 \times 8} = \frac{(999+9+9+9+9+9) \times (99-9)}{9 \times 9}$$

$$\begin{aligned} \mathbf{11160} &:= \frac{(1111+1+1+1+1+1) \times (11-1)}{1 \times 1} = \frac{(2222+2+2+2+2+2) \times (22-2)}{2 \times 2} = \frac{(3333+3+3+3+3+3) \times (33-3)}{3 \times 3} \\ &:= \frac{(4444+4+4+4+4+4) \times (44-4)}{4 \times 4} = \frac{(5555+5+5+5+5+5) \times (55-5)}{5 \times 5} = \frac{(6666+6+6+6+6+6) \times (66-6)}{6 \times 6} \\ &:= \frac{(7777+7+7+7+7+7) \times (77-7)}{7 \times 7} = \frac{(8888+8+8+8+8+8) \times (88-8)}{8 \times 8} = \frac{(9999+9+9+9+9+9) \times (99-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{111160} &:= \frac{(11111+1+1+1+1+1) \times (11-1)}{1 \times 1} = \frac{(22222+2+2+2+2+2) \times (22-2)}{2 \times 2} = \frac{(33333+3+3+3+3+3) \times (33-3)}{3 \times 3} \\ &:= \frac{(44444+4+4+4+4+4) \times (44-4)}{4 \times 4} = \frac{(55555+5+5+5+5+5) \times (55-5)}{5 \times 5} = \frac{(66666+6+6+6+6+6) \times (66-6)}{6 \times 6} \\ &:= \frac{(77777+7+7+7+7+7) \times (77-7)}{7 \times 7} = \frac{(88888+8+8+8+8+8) \times (88-8)}{8 \times 8} = \frac{(99999+9+9+9+9+9) \times (99-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{161} &:= \frac{111 \times (1+1+1) - 11 \times 1}{(1+1) \times 1} = \frac{222 \times (2+2+2) - 22 \times 2}{(2+2) \times 2} = \frac{333 \times (3+3+3) - 33 \times 3}{(3+3) \times 3} \\ &:= \frac{444 \times (4+4+4) - 44 \times 4}{(4+4) \times 4} = \frac{555 \times (5+5+5) - 55 \times 5}{(5+5) \times 5} = \frac{666 \times (6+6+6) - 66 \times 6}{(6+6) \times 6} \\ &:= \frac{777 \times (7+7+7) - 77 \times 7}{(7+7) \times 7} = \frac{888 \times (8+8+8) - 88 \times 8}{(8+8) \times 8} = \frac{999 \times (9+9+9) - 99 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1661} &:= \frac{1111 \times (1+1+1) - 11 \times 1}{(1+1) \times 1} = \frac{2222 \times (2+2+2) - 22 \times 2}{(2+2) \times 2} = \frac{3333 \times (3+3+3) - 33 \times 3}{(3+3) \times 3} \\ &:= \frac{4444 \times (4+4+4) - 44 \times 4}{(4+4) \times 4} = \frac{5555 \times (5+5+5) - 55 \times 5}{(5+5) \times 5} = \frac{6666 \times (6+6+6) - 66 \times 6}{(6+6) \times 6} \\ &:= \frac{7777 \times (7+7+7) - 77 \times 7}{(7+7) \times 7} = \frac{8888 \times (8+8+8) - 88 \times 8}{(8+8) \times 8} = \frac{9999 \times (9+9+9) - 99 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{16661} &:= \frac{11111 \times (1+1+1) - 11 \times 1}{(1+1) \times 1} = \frac{22222 \times (2+2+2) - 22 \times 2}{(2+2) \times 2} = \frac{33333 \times (3+3+3) - 33 \times 3}{(3+3) \times 3} \\ &:= \frac{44444 \times (4+4+4) - 44 \times 4}{(4+4) \times 4} = \frac{55555 \times (5+5+5) - 55 \times 5}{(5+5) \times 5} = \frac{66666 \times (6+6+6) - 66 \times 6}{(6+6) \times 6} \\ &:= \frac{77777 \times (7+7+7) - 77 \times 7}{(7+7) \times 7} = \frac{88888 \times (8+8+8) - 88 \times 8}{(8+8) \times 8} = \frac{99999 \times (9+9+9) - 99 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{166661} &:= \frac{111111 \times (1+1+1) - 11 \times 1}{(1+1) \times 1} = \frac{222222 \times (2+2+2) - 22 \times 2}{(2+2) \times 2} = \frac{333333 \times (3+3+3) - 33 \times 3}{(3+3) \times 3} \\ &:= \frac{444444 \times (4+4+4) - 44 \times 4}{(4+4) \times 4} = \frac{555555 \times (5+5+5) - 55 \times 5}{(5+5) \times 5} = \frac{666666 \times (6+6+6) - 66 \times 6}{(6+6) \times 6} \\ &:= \frac{777777 \times (7+7+7) - 77 \times 7}{(7+7) \times 7} = \frac{888888 \times (8+8+8) - 88 \times 8}{(8+8) \times 8} = \frac{999999 \times (9+9+9) - 99 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 162 &:= \frac{(111-1-1-1) \times (1+1+1)}{(1+1) \times 1} = \frac{(222-2-2-2) \times (2+2+2)}{(2+2) \times 2} = \frac{(333-3-3-3) \times (3+3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4-4-4) \times (4+4+4)}{(4+4) \times 4} = \frac{(555-5-5-5) \times (5+5+5)}{(5+5) \times 5} = \frac{(666-6-6-6) \times (6+6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7-7-7) \times (7+7+7)}{(7+7) \times 7} = \frac{(888-8-8-8) \times (8+8+8)}{(8+8) \times 8} = \frac{(999-9-9-9) \times (9+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 1662 &:= \frac{(1111-1-1-1) \times (1+1+1)}{(1+1) \times 1} = \frac{(2222-2-2-2) \times (2+2+2)}{(2+2) \times 2} = \frac{(3333-3-3-3) \times (3+3+3)}{(3+3) \times 3} \\ &:= \frac{(4444-4-4-4) \times (4+4+4)}{(4+4) \times 4} = \frac{(5555-5-5-5) \times (5+5+5)}{(5+5) \times 5} = \frac{(6666-6-6-6) \times (6+6+6)}{(6+6) \times 6} \\ &:= \frac{(7777-7-7-7) \times (7+7+7)}{(7+7) \times 7} = \frac{(8888-8-8-8) \times (8+8+8)}{(8+8) \times 8} = \frac{(9999-9-9-9) \times (9+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 16662 &:= \frac{(11111-1-1-1) \times (1+1+1)}{(1+1) \times 1} = \frac{(22222-2-2-2) \times (2+2+2)}{(2+2) \times 2} = \frac{(33333-3-3-3) \times (3+3+3)}{(3+3) \times 3} \\ &:= \frac{(44444-4-4-4) \times (4+4+4)}{(4+4) \times 4} = \frac{(55555-5-5-5) \times (5+5+5)}{(5+5) \times 5} = \frac{(66666-6-6-6) \times (6+6+6)}{(6+6) \times 6} \\ &:= \frac{(77777-7-7-7) \times (7+7+7)}{(7+7) \times 7} = \frac{(88888-8-8-8) \times (8+8+8)}{(8+8) \times 8} = \frac{(99999-9-9-9) \times (9+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 166662 &:= \frac{(111111-1-1-1) \times (1+1+1)}{(1+1) \times 1} = \frac{(222222-2-2-2) \times (2+2+2)}{(2+2) \times 2} = \frac{(333333-3-3-3) \times (3+3+3)}{(3+3) \times 3} \\ &:= \frac{(444444-4-4-4) \times (4+4+4)}{(4+4) \times 4} = \frac{(555555-5-5-5) \times (5+5+5)}{(5+5) \times 5} = \frac{(666666-6-6-6) \times (6+6+6)}{(6+6) \times 6} \\ &:= \frac{(777777-7-7-7) \times (7+7+7)}{(7+7) \times 7} = \frac{(888888-8-8-8) \times (8+8+8)}{(8+8) \times 8} = \frac{(999999-9-9-9) \times (9+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 163 &:= \frac{(11+1+1+1+1) \times 11 - (1+1) \times 1}{1 \times 1} = \frac{(22+2+2+2+2) \times 22 - (2+2) \times 2}{2 \times 2} = \frac{(33+3+3+3+3) \times 33 - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times 44 - (4+4) \times 4}{4 \times 4} = \frac{(55+5+5+5+5) \times 55 - (5+5) \times 5}{5 \times 5} = \frac{(66+6+6+6+6) \times 66 - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times 77 - (7+7) \times 7}{7 \times 7} = \frac{(88+8+8+8+8) \times 88 - (8+8) \times 8}{8 \times 8} = \frac{(99+9+9+9+9) \times 99 - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 1263 &:= \frac{(111+1+1+1+1) \times 11 - (1+1) \times 1}{1 \times 1} = \frac{(222+2+2+2+2) \times 22 - (2+2) \times 2}{2 \times 2} = \frac{(333+3+3+3+3) \times 33 - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(444+4+4+4+4) \times 44 - (4+4) \times 4}{4 \times 4} = \frac{(555+5+5+5+5) \times 55 - (5+5) \times 5}{5 \times 5} = \frac{(666+6+6+6+6) \times 66 - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(777+7+7+7+7) \times 77 - (7+7) \times 7}{7 \times 7} = \frac{(888+8+8+8+8) \times 88 - (8+8) \times 8}{8 \times 8} = \frac{(999+9+9+9+9) \times 99 - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 12263 &:= \frac{(1111+1+1+1+1) \times 11 - (1+1) \times 1}{1 \times 1} = \frac{(2222+2+2+2+2) \times 22 - (2+2) \times 2}{2 \times 2} = \frac{(3333+3+3+3+3) \times 33 - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444+4+4+4+4) \times 44 - (4+4) \times 4}{4 \times 4} = \frac{(5555+5+5+5+5) \times 55 - (5+5) \times 5}{5 \times 5} = \frac{(6666+6+6+6+6) \times 66 - (6+6) \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 7 + 7 + 7 + 7) \times 77 - (7 + 7) \times 7}{7 \times 7} = \frac{(8888 + 8 + 8 + 8 + 8) \times 88 - (8 + 8) \times 8}{8 \times 8} = \frac{(9999 + 9 + 9 + 9 + 9) \times 99 - (9 + 9) \times 9}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{122263} &:= \frac{(11111 + 1 + 1 + 1 + 1) \times 11 - (1 + 1) \times 1}{1 \times 1} = \frac{(22222 + 2 + 2 + 2 + 2) \times 22 - (2 + 2) \times 2}{2 \times 2} = \frac{(33333 + 3 + 3 + 3 + 3) \times 33 - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44444 + 4 + 4 + 4 + 4) \times 44 - (4 + 4) \times 4}{4 \times 4} = \frac{(55555 + 5 + 5 + 5 + 5) \times 55 - (5 + 5) \times 5}{5 \times 5} = \frac{(66666 + 6 + 6 + 6 + 6) \times 66 - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77777 + 7 + 7 + 7 + 7) \times 77 - (7 + 7) \times 7}{7 \times 7} = \frac{(88888 + 8 + 8 + 8 + 8) \times 88 - (8 + 8) \times 8}{8 \times 8} = \frac{(99999 + 9 + 9 + 9 + 9) \times 99 - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{164} &:= \frac{(11 + 1 + 1 + 1 + 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1264} &:= \frac{(111 + 1 + 1 + 1 + 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(222 + 2 + 2 + 2 + 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(333 + 3 + 3 + 3 + 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 4 + 4 + 4 + 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(555 + 5 + 5 + 5 + 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(666 + 6 + 6 + 6 + 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 7 + 7 + 7 + 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(888 + 8 + 8 + 8 + 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(999 + 9 + 9 + 9 + 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{12264} &:= \frac{(1111 + 1 + 1 + 1 + 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(2222 + 2 + 2 + 2 + 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(3333 + 3 + 3 + 3 + 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4 + 4 + 4 + 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(5555 + 5 + 5 + 5 + 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(6666 + 6 + 6 + 6 + 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7 + 7 + 7 + 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(8888 + 8 + 8 + 8 + 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(9999 + 9 + 9 + 9 + 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{122264} &:= \frac{(11111 + 1 + 1 + 1 + 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22222 + 2 + 2 + 2 + 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33333 + 3 + 3 + 3 + 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 4 + 4 + 4 + 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55555 + 5 + 5 + 5 + 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66666 + 6 + 6 + 6 + 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 7 + 7 + 7 + 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88888 + 8 + 8 + 8 + 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99999 + 9 + 9 + 9 + 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{165} &:= \frac{(11 + 1 + 1 + 1 + 1) \times 11}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times 22}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times 33}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times 44}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times 55}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times 66}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times 77}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times 88}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times 99}{9 \times 9} \end{aligned}$$

1665

$$\begin{aligned} &:= \frac{(11+1+1+1+1) \times 111}{1 \times 1} = \frac{(22+2+2+2+2) \times 222}{2 \times 2} = \frac{(33+3+3+3+3) \times 333}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times 444}{4 \times 4} = \frac{(55+5+5+5+5) \times 555}{5 \times 5} = \frac{(66+6+6+6+6) \times 666}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times 777}{7 \times 7} = \frac{(88+8+8+8+8) \times 888}{8 \times 8} = \frac{(99+9+9+9+9) \times 999}{9 \times 9} \end{aligned}$$

16665

$$\begin{aligned} &:= \frac{(11+1+1+1+1) \times 1111}{1 \times 1} = \frac{(22+2+2+2+2) \times 2222}{2 \times 2} = \frac{(33+3+3+3+3) \times 3333}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times 4444}{4 \times 4} = \frac{(55+5+5+5+5) \times 5555}{5 \times 5} = \frac{(66+6+6+6+6) \times 6666}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times 7777}{7 \times 7} = \frac{(88+8+8+8+8) \times 8888}{8 \times 8} = \frac{(99+9+9+9+9) \times 9999}{9 \times 9} \end{aligned}$$

166665

$$\begin{aligned} &:= \frac{(11+1+1+1+1) \times 11111}{1 \times 1} = \frac{(22+2+2+2+2) \times 22222}{2 \times 2} = \frac{(33+3+3+3+3) \times 33333}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times 44444}{4 \times 4} = \frac{(55+5+5+5+5) \times 55555}{5 \times 5} = \frac{(66+6+6+6+6) \times 66666}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times 77777}{7 \times 7} = \frac{(88+8+8+8+8) \times 88888}{8 \times 8} = \frac{(99+9+9+9+9) \times 99999}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{111+111+111-1}{1+1} = \frac{222+222+222-2}{2+2} = \frac{333+333+333-3}{3+3} \\ &:= \frac{444+444+444-4}{4+4} = \frac{555+555+555-5}{5+5} = \frac{666+666+666-6}{6+6} \\ &:= \frac{777+777+777-7}{7+7} = \frac{888+888+888-8}{8+8} = \frac{999+999+999-9}{9+9} \end{aligned}$$

1166

$$\begin{aligned} &:= \frac{1111+1111+111-1}{1+1} = \frac{2222+2222+222-2}{2+2} = \frac{3333+3333+333-3}{3+3} \\ &:= \frac{4444+4444+444-4}{4+4} = \frac{5555+5555+555-5}{5+5} = \frac{6666+6666+666-6}{6+6} \\ &:= \frac{7777+7777+777-7}{7+7} = \frac{8888+8888+888-8}{8+8} = \frac{9999+9999+999-9}{9+9} \end{aligned}$$

11166

$$\begin{aligned} &:= \frac{11111+11111+111-1}{1+1} = \frac{22222+22222+222-2}{2+2} = \frac{33333+33333+333-3}{3+3} \\ &:= \frac{44444+44444+444-4}{4+4} = \frac{55555+55555+555-5}{5+5} = \frac{66666+66666+666-6}{6+6} \\ &:= \frac{77777+77777+777-7}{7+7} = \frac{88888+88888+888-8}{8+8} = \frac{99999+99999+999-9}{9+9} \end{aligned}$$

111166

$$\begin{aligned} &:= \frac{111111+111111+111-1}{1+1} = \frac{222222+222222+222-2}{2+2} = \frac{333333+333333+333-3}{3+3} \\ &:= \frac{444444+444444+444-4}{4+4} = \frac{555555+555555+555-5}{5+5} = \frac{666666+666666+666-6}{6+6} \\ &:= \frac{777777+777777+777-7}{7+7} = \frac{888888+888888+888-8}{8+8} = \frac{999999+999999+999-9}{9+9} \end{aligned}$$

89

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167

$$:= \frac{111+111+111+1}{1+1} = \frac{222+222+222+2}{2+2} = \frac{333+333+333+3}{3+3}$$

$$:= \frac{444+444+444+4}{4+4} = \frac{555+555+555+5}{5+5} = \frac{666+666+666+6}{6+6}$$

$$:= \frac{777+777+777+7}{7+7} = \frac{888+888+888+8}{8+8} = \frac{999+999+999+9}{9+9}$$

1167

$$:= \frac{1111+1111+111+1}{1+1} = \frac{2222+2222+222+2}{2+2} = \frac{3333+3333+333+3}{3+3}$$

$$:= \frac{4444+4444+444+4}{4+4} = \frac{5555+5555+555+5}{5+5} = \frac{6666+6666+666+6}{6+6}$$

$$:= \frac{7777+7777+777+7}{7+7} = \frac{8888+8888+888+8}{8+8} = \frac{9999+9999+999+9}{9+9}$$

11167

$$:= \frac{11111+11111+111+1}{1+1} = \frac{22222+22222+222+2}{2+2} = \frac{33333+33333+333+3}{3+3}$$

$$:= \frac{44444+44444+444+4}{4+4} = \frac{55555+55555+555+5}{5+5} = \frac{66666+66666+666+6}{6+6}$$

$$:= \frac{77777+77777+777+7}{7+7} = \frac{88888+88888+888+8}{8+8} = \frac{99999+99999+999+9}{9+9}$$

111167

$$:= \frac{111111+111111+111+1}{1+1} = \frac{222222+222222+222+2}{2+2} = \frac{333333+333333+333+3}{3+3}$$

$$:= \frac{444444+444444+444+4}{4+4} = \frac{555555+555555+555+5}{5+5} = \frac{666666+666666+666+6}{6+6}$$

$$:= \frac{777777+777777+777+7}{7+7} = \frac{888888+888888+888+8}{8+8} = \frac{999999+999999+999+9}{9+9}$$

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168

$$:= \frac{111+1}{1+1} + \frac{111+1}{1} = \frac{222+2}{2+2} + \frac{222+2}{2} = \frac{333+3}{3+3} + \frac{333+3}{3}$$

$$:= \frac{444+4}{4+4} + \frac{444+4}{4} = \frac{555+5}{5+5} + \frac{555+5}{5} = \frac{666+6}{6+6} + \frac{666+6}{6}$$

$$:= \frac{777+7}{7+7} + \frac{777+7}{7} = \frac{888+8}{8+8} + \frac{888+8}{8} = \frac{999+9}{9+9} + \frac{999+9}{9}$$

1668

$$:= \frac{1111+1}{1+1} + \frac{1111+1}{1} = \frac{2222+2}{2+2} + \frac{2222+2}{2} = \frac{3333+3}{3+3} + \frac{3333+3}{3}$$

$$:= \frac{4444+4}{4+4} + \frac{4444+4}{4} = \frac{5555+5}{5+5} + \frac{5555+5}{5} = \frac{6666+6}{6+6} + \frac{6666+6}{6}$$

$$:= \frac{7777+7}{7+7} + \frac{7777+7}{7} = \frac{8888+8}{8+8} + \frac{8888+8}{8} = \frac{9999+9}{9+9} + \frac{9999+9}{9}$$

16668

$$:= \frac{11111+1}{1+1} + \frac{11111+1}{1} = \frac{22222+2}{2+2} + \frac{22222+2}{2} = \frac{33333+3}{3+3} + \frac{33333+3}{3}$$

$$:= \frac{44444+4}{4+4} + \frac{44444+4}{4} = \frac{55555+5}{5+5} + \frac{55555+5}{5} = \frac{66666+6}{6+6} + \frac{66666+6}{6}$$

$$:= \frac{77777+7}{7+7} + \frac{77777+7}{7} = \frac{88888+8}{8+8} + \frac{88888+8}{8} = \frac{99999+9}{9+9} + \frac{99999+9}{9}$$

$$\begin{aligned} \mathbf{166668} &:= \frac{111111+1}{1+1} + \frac{111111+1}{1} = \frac{222222+2}{2+2} + \frac{222222+2}{2} = \frac{333333+3}{3+3} + \frac{333333+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{444444+4}{4} = \frac{555555+5}{5+5} + \frac{555555+5}{5} = \frac{666666+6}{6+6} + \frac{666666+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{777777+7}{7} = \frac{888888+8}{8+8} + \frac{888888+8}{8} = \frac{999999+9}{9+9} + \frac{999999+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{169} &:= \frac{111+1}{1+1} + \frac{111+1+1}{1} = \frac{222+2}{2+2} + \frac{222+2+2}{2} = \frac{333+3}{3+3} + \frac{333+3+3}{3} \\ &:= \frac{444+4}{4+4} + \frac{444+4+4}{4} = \frac{555+5}{5+5} + \frac{555+5+5}{5} = \frac{666+6}{6+6} + \frac{666+6+6}{6} \\ &:= \frac{777+7}{7+7} + \frac{777+7+7}{7} = \frac{888+8}{8+8} + \frac{888+8+8}{8} = \frac{999+9}{9+9} + \frac{999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{1669} &:= \frac{1111+1}{1+1} + \frac{1111+1+1}{1} = \frac{2222+2}{2+2} + \frac{2222+2+2}{2} = \frac{3333+3}{3+3} + \frac{3333+3+3}{3} \\ &:= \frac{4444+4}{4+4} + \frac{4444+4+4}{4} = \frac{5555+5}{5+5} + \frac{5555+5+5}{5} = \frac{6666+6}{6+6} + \frac{6666+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{7777+7+7}{7} = \frac{8888+8}{8+8} + \frac{8888+8+8}{8} = \frac{9999+9}{9+9} + \frac{9999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{16669} &:= \frac{11111+1}{1+1} + \frac{11111+1+1}{1} = \frac{22222+2}{2+2} + \frac{22222+2+2}{2} = \frac{33333+3}{3+3} + \frac{33333+3+3}{3} \\ &:= \frac{44444+4}{4+4} + \frac{44444+4+4}{4} = \frac{55555+5}{5+5} + \frac{55555+5+5}{5} = \frac{66666+6}{6+6} + \frac{66666+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{77777+7+7}{7} = \frac{88888+8}{8+8} + \frac{88888+8+8}{8} = \frac{99999+9}{9+9} + \frac{99999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{166669} &:= \frac{111111+1}{1+1} + \frac{111111+1+1}{1} = \frac{222222+2}{2+2} + \frac{222222+2+2}{2} = \frac{333333+3}{3+3} + \frac{333333+3+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{444444+4+4}{4} = \frac{555555+5}{5+5} + \frac{555555+5+5}{5} = \frac{666666+6}{6+6} + \frac{666666+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{777777+7+7}{7} = \frac{888888+8}{8+8} + \frac{888888+8+8}{8} = \frac{999999+9}{9+9} + \frac{999999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{170} &:= \frac{111+11}{1+1} + \frac{111-1-1}{1} = \frac{222+22}{2+2} + \frac{222-2-2}{2} = \frac{333+33}{3+3} + \frac{333-3-3}{3} \\ &:= \frac{444+44}{4+4} + \frac{444-4-4}{4} = \frac{555+55}{5+5} + \frac{555-5-5}{5} = \frac{666+66}{6+6} + \frac{666-6-6}{6} \\ &:= \frac{777+77}{7+7} + \frac{777-7-7}{7} = \frac{888+88}{8+8} + \frac{888-8-8}{8} = \frac{999+99}{9+9} + \frac{999-9-9}{9} \end{aligned}$$

$$\mathbf{1670} := \frac{1111+11}{1+1} + \frac{1111-1-1}{1} = \frac{2222+22}{2+2} + \frac{2222-2-2}{2} = \frac{3333+33}{3+3} + \frac{3333-3-3}{3}$$

$$\begin{aligned} &:= \frac{4444+44}{4+4} + \frac{4444-4-4}{4} = \frac{5555+55}{5+5} + \frac{5555-5-5}{5} = \frac{6666+66}{6+6} + \frac{6666-6-6}{6} \\ &:= \frac{7777+77}{7+7} + \frac{7777-7-7}{7} = \frac{8888+88}{8+8} + \frac{8888-8-8}{8} = \frac{9999+99}{9+9} + \frac{9999-9-9}{9} \end{aligned}$$

16670

$$\begin{aligned} &:= \frac{11111+11}{1+1} + \frac{11111-1-1}{1} = \frac{22222+22}{2+2} + \frac{22222-2-2}{2} = \frac{33333+33}{3+3} + \frac{33333-3-3}{3} \\ &:= \frac{44444+44}{4+4} + \frac{44444-4-4}{4} = \frac{55555+55}{5+5} + \frac{55555-5-5}{5} = \frac{66666+66}{6+6} + \frac{66666-6-6}{6} \\ &:= \frac{77777+77}{7+7} + \frac{77777-7-7}{7} = \frac{88888+88}{8+8} + \frac{88888-8-8}{8} = \frac{99999+99}{9+9} + \frac{99999-9-9}{9} \end{aligned}$$

166670

$$\begin{aligned} &:= \frac{111111+11}{1+1} + \frac{111111-1-1}{1} = \frac{222222+22}{2+2} + \frac{222222-2-2}{2} = \frac{333333+33}{3+3} + \frac{333333-3-3}{3} \\ &:= \frac{444444+44}{4+4} + \frac{444444-4-4}{4} = \frac{555555+55}{5+5} + \frac{555555-5-5}{5} = \frac{666666+66}{6+6} + \frac{666666-6-6}{6} \\ &:= \frac{777777+77}{7+7} + \frac{777777-7-7}{7} = \frac{888888+88}{8+8} + \frac{888888-8-8}{8} = \frac{999999+99}{9+9} + \frac{999999-9-9}{9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{111+11}{1+1} + \frac{111-1}{1} = \frac{222+22}{2+2} + \frac{222-2}{2} = \frac{333+33}{3+3} + \frac{333-3}{3} \\ &:= \frac{444+44}{4+4} + \frac{444-4}{4} = \frac{555+55}{5+5} + \frac{555-5}{5} = \frac{666+66}{6+6} + \frac{666-6}{6} \\ &:= \frac{777+77}{7+7} + \frac{777-7}{7} = \frac{888+88}{8+8} + \frac{888-8}{8} = \frac{999+99}{9+9} + \frac{999-9}{9} \end{aligned}$$

1671

$$\begin{aligned} &:= \frac{1111+11}{1+1} + \frac{1111-1}{1} = \frac{2222+22}{2+2} + \frac{2222-2}{2} = \frac{3333+33}{3+3} + \frac{3333-3}{3} \\ &:= \frac{4444+44}{4+4} + \frac{4444-4}{4} = \frac{5555+55}{5+5} + \frac{5555-5}{5} = \frac{6666+66}{6+6} + \frac{6666-6}{6} \\ &:= \frac{7777+77}{7+7} + \frac{7777-7}{7} = \frac{8888+88}{8+8} + \frac{8888-8}{8} = \frac{9999+99}{9+9} + \frac{9999-9}{9} \end{aligned}$$

16671

$$\begin{aligned} &:= \frac{11111+11}{1+1} + \frac{11111-1}{1} = \frac{22222+22}{2+2} + \frac{22222-2}{2} = \frac{33333+33}{3+3} + \frac{33333-3}{3} \\ &:= \frac{44444+44}{4+4} + \frac{44444-4}{4} = \frac{55555+55}{5+5} + \frac{55555-5}{5} = \frac{66666+66}{6+6} + \frac{66666-6}{6} \\ &:= \frac{77777+77}{7+7} + \frac{77777-7}{7} = \frac{88888+88}{8+8} + \frac{88888-8}{8} = \frac{99999+99}{9+9} + \frac{99999-9}{9} \end{aligned}$$

166671

$$\begin{aligned} &:= \frac{111111+11}{1+1} + \frac{111111-1}{1} = \frac{222222+22}{2+2} + \frac{222222-2}{2} = \frac{333333+33}{3+3} + \frac{333333-3}{3} \\ &:= \frac{444444+44}{4+4} + \frac{444444-4}{4} = \frac{555555+55}{5+5} + \frac{555555-5}{5} = \frac{666666+66}{6+6} + \frac{666666-6}{6} \\ &:= \frac{777777+77}{7+7} + \frac{777777-7}{7} = \frac{888888+88}{8+8} + \frac{888888-8}{8} = \frac{999999+99}{9+9} + \frac{999999-9}{9} \end{aligned}$$

► **172** := $\frac{111+11}{1+1} + \frac{111}{1} = \frac{222+22}{2+2} + \frac{222}{2} = \frac{333+33}{3+3} + \frac{333}{3}$
:= $\frac{444+44}{4+4} + \frac{444}{4} = \frac{555+55}{5+5} + \frac{555}{5} = \frac{666+66}{6+6} + \frac{666}{6}$
:= $\frac{777+77}{7+7} + \frac{777}{7} = \frac{888+88}{8+8} + \frac{888}{8} = \frac{999+99}{9+9} + \frac{999}{9}$

1672 := $\frac{1111+11}{1+1} + \frac{1111}{1} = \frac{2222+22}{2+2} + \frac{2222}{2} = \frac{3333+33}{3+3} + \frac{3333}{3}$
:= $\frac{4444+44}{4+4} + \frac{4444}{4} = \frac{5555+55}{5+5} + \frac{5555}{5} = \frac{6666+66}{6+6} + \frac{6666}{6}$
:= $\frac{7777+77}{7+7} + \frac{7777}{7} = \frac{8888+88}{8+8} + \frac{8888}{8} = \frac{9999+99}{9+9} + \frac{9999}{9}$

16672 := $\frac{11111+11}{1+1} + \frac{11111}{1} = \frac{22222+22}{2+2} + \frac{22222}{2} = \frac{33333+33}{3+3} + \frac{33333}{3}$
:= $\frac{44444+44}{4+4} + \frac{44444}{4} = \frac{55555+55}{5+5} + \frac{55555}{5} = \frac{66666+66}{6+6} + \frac{66666}{6}$
:= $\frac{77777+77}{7+7} + \frac{77777}{7} = \frac{88888+88}{8+8} + \frac{88888}{8} = \frac{99999+99}{9+9} + \frac{99999}{9}$

166672 := $\frac{111111+11}{1+1} + \frac{111111}{1} = \frac{222222+22}{2+2} + \frac{222222}{2} = \frac{333333+33}{3+3} + \frac{333333}{3}$
:= $\frac{444444+44}{4+4} + \frac{444444}{4} = \frac{555555+55}{5+5} + \frac{555555}{5} = \frac{666666+66}{6+6} + \frac{666666}{6}$
:= $\frac{777777+77}{7+7} + \frac{777777}{7} = \frac{888888+88}{8+8} + \frac{888888}{8} = \frac{999999+99}{9+9} + \frac{999999}{9}$

► **173** := $\frac{111+11}{1+1} + \frac{111+1}{1} = \frac{222+22}{2+2} + \frac{222+2}{2} = \frac{333+33}{3+3} + \frac{333+3}{3}$
:= $\frac{444+44}{4+4} + \frac{444+4}{4} = \frac{555+55}{5+5} + \frac{555+5}{5} = \frac{666+66}{6+6} + \frac{666+6}{6}$
:= $\frac{777+77}{7+7} + \frac{777+7}{7} = \frac{888+88}{8+8} + \frac{888+8}{8} = \frac{999+99}{9+9} + \frac{999+9}{9}$

1673 := $\frac{1111+11}{1+1} + \frac{1111+1}{1} = \frac{2222+22}{2+2} + \frac{2222+2}{2} = \frac{3333+33}{3+3} + \frac{3333+3}{3}$
:= $\frac{4444+44}{4+4} + \frac{4444+4}{4} = \frac{5555+55}{5+5} + \frac{5555+5}{5} = \frac{6666+66}{6+6} + \frac{6666+6}{6}$
:= $\frac{7777+77}{7+7} + \frac{7777+7}{7} = \frac{8888+88}{8+8} + \frac{8888+8}{8} = \frac{9999+99}{9+9} + \frac{9999+9}{9}$

16673 := $\frac{11111+11}{1+1} + \frac{11111+1}{1} = \frac{22222+22}{2+2} + \frac{22222+2}{2} = \frac{33333+33}{3+3} + \frac{33333+3}{3}$
:= $\frac{44444+44}{4+4} + \frac{44444+4}{4} = \frac{55555+55}{5+5} + \frac{55555+5}{5} = \frac{66666+66}{6+6} + \frac{66666+6}{6}$
:= $\frac{77777+77}{7+7} + \frac{77777+7}{7} = \frac{88888+88}{8+8} + \frac{88888+8}{8} = \frac{99999+99}{9+9} + \frac{99999+9}{9}$

$$\begin{aligned} \mathbf{166673} &:= \frac{111111+11}{1+1} + \frac{111111+1}{1} = \frac{222222+22}{2+2} + \frac{222222+2}{2} = \frac{333333+33}{3+3} + \frac{333333+3}{3} \\ &:= \frac{444444+44}{4+4} + \frac{444444+4}{4} = \frac{555555+55}{5+5} + \frac{555555+5}{5} = \frac{666666+66}{6+6} + \frac{666666+6}{6} \\ &:= \frac{777777+77}{7+7} + \frac{777777+7}{7} = \frac{888888+88}{8+8} + \frac{888888+8}{8} = \frac{999999+99}{9+9} + \frac{999999+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{174} &:= \frac{111+11}{1+1} + \frac{111+1+1}{1} = \frac{222+22}{2+2} + \frac{222+2+2}{2} = \frac{333+33}{3+3} + \frac{333+3+3}{3} \\ &:= \frac{444+44}{4+4} + \frac{444+4+4}{4} = \frac{555+55}{5+5} + \frac{555+5+5}{5} = \frac{666+66}{6+6} + \frac{666+6+6}{6} \\ &:= \frac{777+77}{7+7} + \frac{777+7+7}{7} = \frac{888+88}{8+8} + \frac{888+8+8}{8} = \frac{999+99}{9+9} + \frac{999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{1674} &:= \frac{1111+11}{1+1} + \frac{1111+1+1}{1} = \frac{2222+22}{2+2} + \frac{2222+2+2}{2} = \frac{3333+33}{3+3} + \frac{3333+3+3}{3} \\ &:= \frac{4444+44}{4+4} + \frac{4444+4+4}{4} = \frac{5555+55}{5+5} + \frac{5555+5+5}{5} = \frac{6666+66}{6+6} + \frac{6666+6+6}{6} \\ &:= \frac{7777+77}{7+7} + \frac{7777+7+7}{7} = \frac{8888+88}{8+8} + \frac{8888+8+8}{8} = \frac{9999+99}{9+9} + \frac{9999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{16674} &:= \frac{11111+11}{1+1} + \frac{11111+1+1}{1} = \frac{22222+22}{2+2} + \frac{22222+2+2}{2} = \frac{33333+33}{3+3} + \frac{33333+3+3}{3} \\ &:= \frac{44444+44}{4+4} + \frac{44444+4+4}{4} = \frac{55555+55}{5+5} + \frac{55555+5+5}{5} = \frac{66666+66}{6+6} + \frac{66666+6+6}{6} \\ &:= \frac{77777+77}{7+7} + \frac{77777+7+7}{7} = \frac{88888+88}{8+8} + \frac{88888+8+8}{8} = \frac{99999+99}{9+9} + \frac{99999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{166674} &:= \frac{111111+11}{1+1} + \frac{111111+1+1}{1} = \frac{222222+22}{2+2} + \frac{222222+2+2}{2} = \frac{333333+33}{3+3} + \frac{333333+3+3}{3} \\ &:= \frac{444444+44}{4+4} + \frac{444444+4+4}{4} = \frac{555555+55}{5+5} + \frac{555555+5+5}{5} = \frac{666666+66}{6+6} + \frac{666666+6+6}{6} \\ &:= \frac{777777+77}{7+7} + \frac{777777+7+7}{7} = \frac{888888+88}{8+8} + \frac{888888+8+8}{8} = \frac{999999+99}{9+9} + \frac{999999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{175} &:= \frac{(11+1+1+1+1+1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22+2+2+2+2+2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33+3+3+3+3+3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55+5+5+5+5+5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66+6+6+6+6+6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7+7+7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88+8+8+8+8+8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99+9+9+9+9+9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1775} &:= \frac{(11+1+1+1+1+1) \times 111 - 1 \times 1}{1 \times 1} = \frac{(22+2+2+2+2+2) \times 222 - 2 \times 2}{2 \times 2} = \frac{(33+3+3+3+3+3) \times 333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times 444 - 4 \times 4}{4 \times 4} = \frac{(55+5+5+5+5+5) \times 555 - 5 \times 5}{5 \times 5} = \frac{(66+6+6+6+6+6) \times 666 - 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(77+7+7+7+7+7) \times 777 - 7 \times 7}{7 \times 7} = \frac{(88+8+8+8+8+8) \times 888 - 8 \times 8}{8 \times 8} = \frac{(99+9+9+9+9+9) \times 999 - 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \mathbf{17775} &:= \frac{(11+1+1+1+1+1) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(22+2+2+2+2+2) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(33+3+3+3+3+3) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(55+5+5+5+5+5) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(66+6+6+6+6+6) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7+7+7) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(88+8+8+8+8+8) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(99+9+9+9+9+9) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{177775} &:= \frac{(11+1+1+1+1+1) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(22+2+2+2+2+2) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(33+3+3+3+3+3) \times 33333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(55+5+5+5+5+5) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(66+6+6+6+6+6) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7+7+7) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(88+8+8+8+8+8) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(99+9+9+9+9+9) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{176} &:= \frac{(11+1+1+1+1+1) \times 11}{1 \times 1} = \frac{(22+2+2+2+2+2) \times 22}{2 \times 2} = \frac{(33+3+3+3+3+3) \times 33}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times 44}{4 \times 4} = \frac{(55+5+5+5+5+5) \times 55}{5 \times 5} = \frac{(66+6+6+6+6+6) \times 66}{6 \times 6} \\ &:= \frac{(77+7+7+7+7+7) \times 77}{7 \times 7} = \frac{(88+8+8+8+8+8) \times 88}{8 \times 8} = \frac{(99+9+9+9+9+9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1776} &:= \frac{(11+1+1+1+1+1) \times 111}{1 \times 1} = \frac{(22+2+2+2+2+2) \times 222}{2 \times 2} = \frac{(33+3+3+3+3+3) \times 333}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times 444}{4 \times 4} = \frac{(55+5+5+5+5+5) \times 555}{5 \times 5} = \frac{(66+6+6+6+6+6) \times 666}{6 \times 6} \\ &:= \frac{(77+7+7+7+7+7) \times 777}{7 \times 7} = \frac{(88+8+8+8+8+8) \times 888}{8 \times 8} = \frac{(99+9+9+9+9+9) \times 999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{17776} &:= \frac{(11+1+1+1+1+1) \times 1111}{1 \times 1} = \frac{(22+2+2+2+2+2) \times 2222}{2 \times 2} = \frac{(33+3+3+3+3+3) \times 3333}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times 4444}{4 \times 4} = \frac{(55+5+5+5+5+5) \times 5555}{5 \times 5} = \frac{(66+6+6+6+6+6) \times 6666}{6 \times 6} \\ &:= \frac{(77+7+7+7+7+7) \times 7777}{7 \times 7} = \frac{(88+8+8+8+8+8) \times 8888}{8 \times 8} = \frac{(99+9+9+9+9+9) \times 9999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{177776} &:= \frac{(11+1+1+1+1+1) \times 11111}{1 \times 1} = \frac{(22+2+2+2+2+2) \times 22222}{2 \times 2} = \frac{(33+3+3+3+3+3) \times 33333}{3 \times 3} \\ &:= \frac{(44+4+4+4+4+4) \times 44444}{4 \times 4} = \frac{(55+5+5+5+5+5) \times 55555}{5 \times 5} = \frac{(66+6+6+6+6+6) \times 66666}{6 \times 6} \\ &:= \frac{(77+7+7+7+7+7) \times 77777}{7 \times 7} = \frac{(88+8+8+8+8+8) \times 88888}{8 \times 8} = \frac{(99+9+9+9+9+9) \times 99999}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{177} := \frac{(11+1) \times 11 + (1+1) \times 111}{(1+1) \times 1} = \frac{(22+2) \times 22 + (2+2) \times 222}{(2+2) \times 2} = \frac{(33+3) \times 33 + (3+3) \times 333}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(44+4) \times 44 + (4+4) \times 444}{(4+4) \times 4} = \frac{(55+5) \times 55 + (5+5) \times 555}{(5+5) \times 5} = \frac{(66+6) \times 66 + (6+6) \times 666}{(6+6) \times 6} \\ &:= \frac{(77+7) \times 77 + (7+7) \times 777}{(7+7) \times 7} = \frac{(88+8) \times 88 + (8+8) \times 888}{(8+8) \times 8} = \frac{(99+9) \times 99 + (9+9) \times 999}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1777} &:= \frac{(11+1) \times 11 + (1+1) \times 1111}{(1+1) \times 1} = \frac{(22+2) \times 22 + (2+2) \times 2222}{(2+2) \times 2} = \frac{(33+3) \times 33 + (3+3) \times 3333}{(3+3) \times 3} \\ &:= \frac{(44+4) \times 44 + (4+4) \times 4444}{(4+4) \times 4} = \frac{(55+5) \times 55 + (5+5) \times 5555}{(5+5) \times 5} = \frac{(66+6) \times 66 + (6+6) \times 6666}{(6+6) \times 6} \\ &:= \frac{(77+7) \times 77 + (7+7) \times 7777}{(7+7) \times 7} = \frac{(88+8) \times 88 + (8+8) \times 8888}{(8+8) \times 8} = \frac{(99+9) \times 99 + (9+9) \times 9999}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{17777} &:= \frac{(11+1) \times 11 + (1+1) \times 11111}{(1+1) \times 1} = \frac{(22+2) \times 22 + (2+2) \times 22222}{(2+2) \times 2} = \frac{(33+3) \times 33 + (3+3) \times 33333}{(3+3) \times 3} \\ &:= \frac{(44+4) \times 44 + (4+4) \times 44444}{(4+4) \times 4} = \frac{(55+5) \times 55 + (5+5) \times 55555}{(5+5) \times 5} = \frac{(66+6) \times 66 + (6+6) \times 66666}{(6+6) \times 6} \\ &:= \frac{(77+7) \times 77 + (7+7) \times 77777}{(7+7) \times 7} = \frac{(88+8) \times 88 + (8+8) \times 88888}{(8+8) \times 8} = \frac{(99+9) \times 99 + (9+9) \times 99999}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{177777} &:= \frac{(11+1) \times 11 + (1+1) \times 111111}{(1+1) \times 1} = \frac{(22+2) \times 22 + (2+2) \times 222222}{(2+2) \times 2} = \frac{(33+3) \times 33 + (3+3) \times 333333}{(3+3) \times 3} \\ &:= \frac{(44+4) \times 44 + (4+4) \times 444444}{(4+4) \times 4} = \frac{(55+5) \times 55 + (5+5) \times 555555}{(5+5) \times 5} = \frac{(66+6) \times 66 + (6+6) \times 666666}{(6+6) \times 6} \\ &:= \frac{(77+7) \times 77 + (7+7) \times 777777}{(7+7) \times 7} = \frac{(88+8) \times 88 + (8+8) \times 888888}{(8+8) \times 8} = \frac{(99+9) \times 99 + (9+9) \times 999999}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{178} &:= \frac{(111-11-11) \times (1+1)}{1 \times 1} = \frac{(222-22-22) \times (2+2)}{2 \times 2} = \frac{(333-33-33) \times (3+3)}{3 \times 3} \\ &:= \frac{(444-44-44) \times (4+4)}{4 \times 4} = \frac{(555-55-55) \times (5+5)}{5 \times 5} = \frac{(666-66-66) \times (6+6)}{6 \times 6} \\ &:= \frac{(777-77-77) \times (7+7)}{7 \times 7} = \frac{(888-88-88) \times (8+8)}{8 \times 8} = \frac{(999-99-99) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2178} &:= \frac{(1111-11-11) \times (1+1)}{1 \times 1} = \frac{(2222-22-22) \times (2+2)}{2 \times 2} = \frac{(3333-33-33) \times (3+3)}{3 \times 3} \\ &:= \frac{(4444-44-44) \times (4+4)}{4 \times 4} = \frac{(5555-55-55) \times (5+5)}{5 \times 5} = \frac{(6666-66-66) \times (6+6)}{6 \times 6} \\ &:= \frac{(7777-77-77) \times (7+7)}{7 \times 7} = \frac{(8888-88-88) \times (8+8)}{8 \times 8} = \frac{(9999-99-99) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22178} &:= \frac{(11111-11-11) \times (1+1)}{1 \times 1} = \frac{(22222-22-22) \times (2+2)}{2 \times 2} = \frac{(33333-33-33) \times (3+3)}{3 \times 3} \\ &:= \frac{(44444-44-44) \times (4+4)}{4 \times 4} = \frac{(55555-55-55) \times (5+5)}{5 \times 5} = \frac{(66666-66-66) \times (6+6)}{6 \times 6} \\ &:= \frac{(77777-77-77) \times (7+7)}{7 \times 7} = \frac{(88888-88-88) \times (8+8)}{8 \times 8} = \frac{(99999-99-99) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222178} &:= \frac{(111111 - 11 - 11) \times (1 + 1)}{1 \times 1} = \frac{(222222 - 22 - 22) \times (2 + 2)}{2 \times 2} = \frac{(333333 - 33 - 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 - 44 - 44) \times (4 + 4)}{4 \times 4} = \frac{(555555 - 55 - 55) \times (5 + 5)}{5 \times 5} = \frac{(666666 - 66 - 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 - 77 - 77) \times (7 + 7)}{7 \times 7} = \frac{(888888 - 88 - 88) \times (8 + 8)}{8 \times 8} = \frac{(999999 - 99 - 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{179} &:= \frac{(111 - 11 - 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2179} &:= \frac{(1111 - 11 - 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 22 - 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 33 - 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 44 - 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 55 - 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 66 - 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 77 - 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 - 88 - 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 - 99 - 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22179} &:= \frac{(11111 - 11 - 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 - 22 - 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 - 33 - 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 44 - 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 - 55 - 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 - 66 - 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 77 - 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 - 88 - 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 - 99 - 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222179} &:= \frac{(111111 - 11 - 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 - 22 - 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 - 33 - 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44 - 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 - 55 - 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 - 66 - 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77 - 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 - 88 - 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 - 99 - 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{180} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (11 + 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (22 + 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (33 + 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (44 + 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (55 + 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (66 + 6)}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times (77 + 7)}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (88 + 8)}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (99 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1680} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (111 + 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (222 + 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (333 + 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (444 + 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (555 + 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (666 + 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(77+7+7+7+7) \times (777+7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (888+8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (999+9)}{9 \times 9}$$

$$\begin{aligned} \mathbf{16680} &:= \frac{(11+1+1+1+1) \times (1111+1)}{1 \times 1} = \frac{(22+2+2+2+2) \times (2222+2)}{2 \times 2} = \frac{(33+3+3+3+3) \times (3333+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times (4444+4)}{4 \times 4} = \frac{(55+5+5+5+5) \times (5555+5)}{5 \times 5} = \frac{(66+6+6+6+6) \times (6666+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times (7777+7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (8888+8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (9999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{166680} &:= \frac{(11+1+1+1+1) \times (11111+1)}{1 \times 1} = \frac{(22+2+2+2+2) \times (22222+2)}{2 \times 2} = \frac{(33+3+3+3+3) \times (33333+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times (44444+4)}{4 \times 4} = \frac{(55+5+5+5+5) \times (55555+5)}{5 \times 5} = \frac{(66+6+6+6+6) \times (66666+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times (77777+7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (88888+8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (99999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{181} &:= \frac{(11+1+1+1+1) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(22+2+2+2+2) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(33+3+3+3+3) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(55+5+5+5+5) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(66+6+6+6+6) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(88+8+8+8+8) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(99+9+9+9+9) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1381} &:= \frac{(111+1+1+1+1) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(222+2+2+2+2) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(333+3+3+3+3) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444+4+4+4+4) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(555+5+5+5+5) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(666+6+6+6+6) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777+7+7+7+7) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(888+8+8+8+8) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(999+9+9+9+9) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{13381} &:= \frac{(1111+1+1+1+1) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(2222+2+2+2+2) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(3333+3+3+3+3) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4+4+4+4) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(5555+5+5+5+5) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(6666+6+6+6+6) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7+7+7+7) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(8888+8+8+8+8) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(9999+9+9+9+9) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{133381} &:= \frac{(11111+1+1+1+1) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(22222+2+2+2+2) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(33333+3+3+3+3) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+4+4+4+4) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(55555+5+5+5+5) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(66666+6+6+6+6) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+7+7+7+7) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(88888+8+8+8+8) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(99999+9+9+9+9) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{182} := \frac{(11+1+1+1) \times (11+1+1)}{1 \times 1} = \frac{(22+2+2+2) \times (22+2+2)}{2 \times 2} = \frac{(33+3+3+3) \times (33+3+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+4+4+4) \times (44+4+4)}{4 \times 4} = \frac{(55+5+5+5) \times (55+5+5)}{5 \times 5} = \frac{(66+6+6+6) \times (66+6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times (77+7+7)}{7 \times 7} = \frac{(88+8+8+8) \times (88+8+8)}{8 \times 8} = \frac{(99+9+9+9) \times (99+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1482} &:= \frac{(111+1+1+1) \times (11+1+1)}{1 \times 1} = \frac{(222+2+2+2) \times (22+2+2)}{2 \times 2} = \frac{(333+3+3+3) \times (33+3+3)}{3 \times 3} \\ &:= \frac{(444+4+4+4) \times (44+4+4)}{4 \times 4} = \frac{(555+5+5+5) \times (55+5+5)}{5 \times 5} = \frac{(666+6+6+6) \times (66+6+6)}{6 \times 6} \\ &:= \frac{(777+7+7+7) \times (77+7+7)}{7 \times 7} = \frac{(888+8+8+8) \times (88+8+8)}{8 \times 8} = \frac{(999+9+9+9) \times (99+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{14482} &:= \frac{(1111+1+1+1) \times (11+1+1)}{1 \times 1} = \frac{(2222+2+2+2) \times (22+2+2)}{2 \times 2} = \frac{(3333+3+3+3) \times (33+3+3)}{3 \times 3} \\ &:= \frac{(4444+4+4+4) \times (44+4+4)}{4 \times 4} = \frac{(5555+5+5+5) \times (55+5+5)}{5 \times 5} = \frac{(6666+6+6+6) \times (66+6+6)}{6 \times 6} \\ &:= \frac{(7777+7+7+7) \times (77+7+7)}{7 \times 7} = \frac{(8888+8+8+8) \times (88+8+8)}{8 \times 8} = \frac{(9999+9+9+9) \times (99+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{144482} &:= \frac{(11111+1+1+1) \times (11+1+1)}{1 \times 1} = \frac{(22222+2+2+2) \times (22+2+2)}{2 \times 2} = \frac{(33333+3+3+3) \times (33+3+3)}{3 \times 3} \\ &:= \frac{(44444+4+4+4) \times (44+4+4)}{4 \times 4} = \frac{(55555+5+5+5) \times (55+5+5)}{5 \times 5} = \frac{(66666+6+6+6) \times (66+6+6)}{6 \times 6} \\ &:= \frac{(77777+7+7+7) \times (77+7+7)}{7 \times 7} = \frac{(88888+8+8+8) \times (88+8+8)}{8 \times 8} = \frac{(99999+9+9+9) \times (99+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{183} &:= \frac{(11+1+1+1) \times (11+1+1) + 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times (22+2+2) + 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times (33+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times (44+4+4) + 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times (55+5+5) + 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times (66+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times (77+7+7) + 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times (88+8+8) + 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times (99+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1483} &:= \frac{(111+1+1+1) \times (11+1+1) + 1 \times 1}{1 \times 1} = \frac{(222+2+2+2) \times (22+2+2) + 2 \times 2}{2 \times 2} = \frac{(333+3+3+3) \times (33+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444+4+4+4) \times (44+4+4) + 4 \times 4}{4 \times 4} = \frac{(555+5+5+5) \times (55+5+5) + 5 \times 5}{5 \times 5} = \frac{(666+6+6+6) \times (66+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777+7+7+7) \times (77+7+7) + 7 \times 7}{7 \times 7} = \frac{(888+8+8+8) \times (88+8+8) + 8 \times 8}{8 \times 8} = \frac{(999+9+9+9) \times (99+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{14483} &:= \frac{(1111+1+1+1) \times (11+1+1) + 1 \times 1}{1 \times 1} = \frac{(2222+2+2+2) \times (22+2+2) + 2 \times 2}{2 \times 2} = \frac{(3333+3+3+3) \times (33+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4+4+4) \times (44+4+4) + 4 \times 4}{4 \times 4} = \frac{(5555+5+5+5) \times (55+5+5) + 5 \times 5}{5 \times 5} = \frac{(6666+6+6+6) \times (66+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7+7+7) \times (77+7+7) + 7 \times 7}{7 \times 7} = \frac{(8888+8+8+8) \times (88+8+8) + 8 \times 8}{8 \times 8} = \frac{(9999+9+9+9) \times (99+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

144483

$$\begin{aligned} &:= \frac{(11111 + 1 + 1 + 1) \times (11 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 2 + 2 + 2) \times (22 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 3 + 3 + 3) \times (33 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 4 + 4 + 4) \times (44 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 5 + 5 + 5) \times (55 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 6 + 6 + 6) \times (66 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 7 + 7 + 7) \times (77 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 8 + 8 + 8) \times (88 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 9 + 9 + 9) \times (99 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(111 + 11) \times (1 + 1 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times (2 + 2 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times (3 + 3 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times (4 + 4 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times (5 + 5 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times (6 + 6 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times (7 + 7 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times (8 + 8 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times (9 + 9 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

1684

$$\begin{aligned} &:= \frac{(1111 + 11) \times (1 + 1 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (2 + 2 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (3 + 3 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 44) \times (4 + 4 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (5 + 5 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (6 + 6 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 77) \times (7 + 7 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (8 + 8 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (9 + 9 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

16684

$$\begin{aligned} &:= \frac{(11111 + 11) \times (1 + 1 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (2 + 2 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (3 + 3 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 44) \times (4 + 4 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (5 + 5 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (6 + 6 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77) \times (7 + 7 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (8 + 8 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (9 + 9 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

166684

$$\begin{aligned} &:= \frac{(111111 + 11) \times (1 + 1 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (2 + 2 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (3 + 3 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (4 + 4 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (5 + 5 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (6 + 6 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (7 + 7 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (8 + 8 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (9 + 9 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(1111 - 1) \times (1 + 1)}{(11 + 1) \times 1} = \frac{(2222 - 2) \times (2 + 2)}{(22 + 2) \times 2} = \frac{(3333 - 3) \times (3 + 3)}{(33 + 3) \times 3} \\ &:= \frac{(4444 - 4) \times (4 + 4)}{(44 + 4) \times 4} = \frac{(5555 - 5) \times (5 + 5)}{(55 + 5) \times 5} = \frac{(6666 - 6) \times (6 + 6)}{(66 + 6) \times 6} \\ &:= \frac{(7777 - 7) \times (7 + 7)}{(77 + 7) \times 7} = \frac{(8888 - 8) \times (8 + 8)}{(88 + 8) \times 8} = \frac{(9999 - 9) \times (9 + 9)}{(99 + 9) \times 9} \end{aligned}$$

185185

$$:= \frac{(1111111 - 1) \times (1 + 1)}{(11 + 1) \times 1} = \frac{(2222222 - 2) \times (2 + 2)}{(22 + 2) \times 2} = \frac{(3333333 - 3) \times (3 + 3)}{(33 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(4444444 - 4) \times (4 + 4)}{(44 + 4) \times 4} = \frac{(5555555 - 5) \times (5 + 5)}{(55 + 5) \times 5} = \frac{(6666666 - 6) \times (6 + 6)}{(66 + 6) \times 6} \\ &:= \frac{(7777777 - 7) \times (7 + 7)}{(77 + 7) \times 7} = \frac{(8888888 - 8) \times (8 + 8)}{(88 + 8) \times 8} = \frac{(9999999 - 9) \times (9 + 9)}{(99 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{185185185} &:= \frac{(1111111111 - 1) \times (1 + 1)}{(11 + 1) \times 1} = \frac{(2222222222 - 2) \times (2 + 2)}{(22 + 2) \times 2} = \frac{(3333333333 - 3) \times (3 + 3)}{(33 + 3) \times 3} \\ &:= \frac{(4444444444 - 4) \times (4 + 4)}{(44 + 4) \times 4} = \frac{(5555555555 - 5) \times (5 + 5)}{(55 + 5) \times 5} = \frac{(6666666666 - 6) \times (6 + 6)}{(66 + 6) \times 6} \\ &:= \frac{(7777777777 - 7) \times (7 + 7)}{(77 + 7) \times 7} = \frac{(8888888888 - 8) \times (8 + 8)}{(88 + 8) \times 8} = \frac{(9999999999 - 9) \times (9 + 9)}{(99 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{185185185185} &:= \frac{(1111111111111 - 1) \times (1 + 1)}{(11 + 1) \times 1} = \frac{(2222222222222 - 2) \times (2 + 2)}{(22 + 2) \times 2} = \frac{(3333333333333 - 3) \times (3 + 3)}{(33 + 3) \times 3} \\ &:= \frac{(4444444444444 - 4) \times (4 + 4)}{(44 + 4) \times 4} = \frac{(5555555555555 - 5) \times (5 + 5)}{(55 + 5) \times 5} = \frac{(6666666666666 - 6) \times (6 + 6)}{(66 + 6) \times 6} \\ &:= \frac{(7777777777777 - 7) \times (7 + 7)}{(77 + 7) \times 7} = \frac{(8888888888888 - 8) \times (8 + 8)}{(88 + 8) \times 8} = \frac{(9999999999999 - 9) \times (9 + 9)}{(99 + 9) \times 9} \end{aligned}$$

► $\mathbf{186} := \frac{(11 + 11 - 1) \times (11 - 1 - 1) - 1 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22 - 2) \times (22 - 2 - 2) - 2 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33 - 3) \times (33 - 3 - 3) - 3 \times (3 + 3 + 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 - 4) \times (44 - 4 - 4) - 4 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55 - 5) \times (55 - 5 - 5) - 5 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66 - 6) \times (66 - 6 - 6) - 6 \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77 - 7) \times (77 - 7 - 7) - 7 \times (7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88 - 8) \times (88 - 8 - 8) - 8 \times (8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99 - 9) \times (99 - 9 - 9) - 9 \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1086} &:= \frac{(111 + 11 - 1) \times (11 - 1 - 1) - 1 \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 22 - 2) \times (22 - 2 - 2) - 2 \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 33 - 3) \times (33 - 3 - 3) - 3 \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 44 - 4) \times (44 - 4 - 4) - 4 \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 55 - 5) \times (55 - 5 - 5) - 5 \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 66 - 6) \times (66 - 6 - 6) - 6 \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77 - 7) \times (77 - 7 - 7) - 7 \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 88 - 8) \times (88 - 8 - 8) - 8 \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 99 - 9) \times (99 - 9 - 9) - 9 \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{10086} &:= \frac{(1111 + 11 - 1) \times (11 - 1 - 1) - 1 \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 22 - 2) \times (22 - 2 - 2) - 2 \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 33 - 3) \times (33 - 3 - 3) - 3 \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 - 4) \times (44 - 4 - 4) - 4 \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 55 - 5) \times (55 - 5 - 5) - 5 \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 66 - 6) \times (66 - 6 - 6) - 6 \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 - 7) \times (77 - 7 - 7) - 7 \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 88 - 8) \times (88 - 8 - 8) - 8 \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 99 - 9) \times (99 - 9 - 9) - 9 \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{100086} &:= \frac{(11111 + 11 - 1) \times (11 - 1 - 1) - 1 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 22 - 2) \times (22 - 2 - 2) - 2 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 33 - 3) \times (33 - 3 - 3) - 3 \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 - 4) \times (44 - 4 - 4) - 4 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 55 - 5) \times (55 - 5 - 5) - 5 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 66 - 6) \times (66 - 6 - 6) - 6 \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 - 7) \times (77 - 7 - 7) - 7 \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 88 - 8) \times (88 - 8 - 8) - 8 \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 99 - 9) \times (99 - 9 - 9) - 9 \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 187 &:= \frac{(11+11-1) \times (11-1-1) - (1+1) \times 1}{1 \times 1} = \frac{(22+22-2) \times (22-2-2) - (2+2) \times 2}{2 \times 2} = \frac{(33+33-3) \times (33-3-3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44+44-4) \times (44-4-4) - (4+4) \times 4}{4 \times 4} = \frac{(55+55-5) \times (55-5-5) - (5+5) \times 5}{5 \times 5} = \frac{(66+66-6) \times (66-6-6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77+77-7) \times (77-7-7) - (7+7) \times 7}{7 \times 7} = \frac{(88+88-8) \times (88-8-8) - (8+8) \times 8}{8 \times 8} = \frac{(99+99-9) \times (99-9-9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 1087 &:= \frac{(111+11-1) \times (11-1-1) - (1+1) \times 1}{1 \times 1} = \frac{(222+22-2) \times (22-2-2) - (2+2) \times 2}{2 \times 2} = \frac{(333+33-3) \times (33-3-3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(444+44-4) \times (44-4-4) - (4+4) \times 4}{4 \times 4} = \frac{(555+55-5) \times (55-5-5) - (5+5) \times 5}{5 \times 5} = \frac{(666+66-6) \times (66-6-6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(777+77-7) \times (77-7-7) - (7+7) \times 7}{7 \times 7} = \frac{(888+88-8) \times (88-8-8) - (8+8) \times 8}{8 \times 8} = \frac{(999+99-9) \times (99-9-9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 10087 &:= \frac{(1111+11-1) \times (11-1-1) - (1+1) \times 1}{1 \times 1} = \frac{(2222+22-2) \times (22-2-2) - (2+2) \times 2}{2 \times 2} = \frac{(3333+33-3) \times (33-3-3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444+44-4) \times (44-4-4) - (4+4) \times 4}{4 \times 4} = \frac{(5555+55-5) \times (55-5-5) - (5+5) \times 5}{5 \times 5} = \frac{(6666+66-6) \times (66-6-6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(7777+77-7) \times (77-7-7) - (7+7) \times 7}{7 \times 7} = \frac{(8888+88-8) \times (88-8-8) - (8+8) \times 8}{8 \times 8} = \frac{(9999+99-9) \times (99-9-9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 100087 &:= \frac{(11111+11-1) \times (11-1-1) - (1+1) \times 1}{1 \times 1} = \frac{(22222+22-2) \times (22-2-2) - (2+2) \times 2}{2 \times 2} = \frac{(33333+33-3) \times (33-3-3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44444+44-4) \times (44-4-4) - (4+4) \times 4}{4 \times 4} = \frac{(55555+55-5) \times (55-5-5) - (5+5) \times 5}{5 \times 5} = \frac{(66666+66-6) \times (66-6-6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77777+77-7) \times (77-7-7) - (7+7) \times 7}{7 \times 7} = \frac{(88888+88-8) \times (88-8-8) - (8+8) \times 8}{8 \times 8} = \frac{(99999+99-9) \times (99-9-9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 188 &:= \frac{(11+11-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(22+22-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(33+33-3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(55+55-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(66+66-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(88+88-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(99+99-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 1088 &:= \frac{(111+11-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(222+22-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(333+33-3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+44-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(555+55-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(666+66-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777+77-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(888+88-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(999+99-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 10088 &:= \frac{(1111+11-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(2222+22-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(3333+33-3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+44-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(5555+55-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(6666+66-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+77-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(8888+88-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(9999+99-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{100088} &:= \frac{(11111 + 11 - 1) \times (11 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22 - 2) \times (22 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33 - 3) \times (33 - 3 - 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44 - 4) \times (44 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55 - 5) \times (55 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66 - 6) \times (66 - 6 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77 - 7) \times (77 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88 - 8) \times (88 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99 - 9) \times (99 - 9 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{189} &:= \frac{(11 + 11 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(22 + 22 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(33 + 33 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(44 + 44 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(55 + 55 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(66 + 66 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(77 + 77 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(88 + 88 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(99 + 99 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1089} &:= \frac{(111 + 11 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(222 + 22 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(333 + 33 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444 + 44 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(555 + 55 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(666 + 66 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777 + 77 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(888 + 88 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(999 + 99 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{10089} &:= \frac{(1111 + 11 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(2222 + 22 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(3333 + 33 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(5555 + 55 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(6666 + 66 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(8888 + 88 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(9999 + 99 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{100089} &:= \frac{(11111 + 11 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(22222 + 22 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(33333 + 33 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(55555 + 55 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(66666 + 66 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(88888 + 88 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(99999 + 99 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{190} &:= \frac{(11 + 11 - 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(22 + 22 - 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(33 + 33 - 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44 - 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 - 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 - 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 - 7) \times (77 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 - 8) \times (88 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 - 9) \times (99 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\mathbf{1090} := \frac{(111 + 11 - 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 22 - 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 33 - 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 44 - 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 55 - 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 66 - 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 - 7) \times (77 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 88 - 8) \times (88 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 99 - 9) \times (99 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{10090} &:= \frac{(1111 + 11 - 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 22 - 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 33 - 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 44 - 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 55 - 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 66 - 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 77 - 7) \times (77 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 88 - 8) \times (88 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 99 - 9) \times (99 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{100090} &:= \frac{(11111 + 11 - 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 22 - 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 33 - 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44 - 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 55 - 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 66 - 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77 - 7) \times (77 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 88 - 8) \times (88 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 99 - 9) \times (99 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{191} &:= \frac{(11 + 11 - 1) \times (11 - 1 - 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(22 + 22 - 2) \times (22 - 2 - 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(33 + 33 - 3) \times (33 - 3 - 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44 - 4) \times (44 - 4 - 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(55 + 55 - 5) \times (55 - 5 - 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(66 + 66 - 6) \times (66 - 6 - 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77 - 7) \times (77 - 7 - 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(88 + 88 - 8) \times (88 - 8 - 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(99 + 99 - 9) \times (99 - 9 - 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1091} &:= \frac{(111 + 11 - 1) \times (11 - 1 - 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(222 + 22 - 2) \times (22 - 2 - 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(333 + 33 - 3) \times (33 - 3 - 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 44 - 4) \times (44 - 4 - 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(555 + 55 - 5) \times (55 - 5 - 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(666 + 66 - 6) \times (66 - 6 - 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77 - 7) \times (77 - 7 - 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(888 + 88 - 8) \times (88 - 8 - 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(999 + 99 - 9) \times (99 - 9 - 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{10091} &:= \frac{(1111 + 11 - 1) \times (11 - 1 - 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(2222 + 22 - 2) \times (22 - 2 - 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(3333 + 33 - 3) \times (33 - 3 - 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 - 4) \times (44 - 4 - 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(5555 + 55 - 5) \times (55 - 5 - 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(6666 + 66 - 6) \times (66 - 6 - 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 - 7) \times (77 - 7 - 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88 - 8) \times (88 - 8 - 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99 - 9) \times (99 - 9 - 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{100091} &:= \frac{(11111 + 11 - 1) \times (11 - 1 - 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22 - 2) \times (22 - 2 - 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33 - 3) \times (33 - 3 - 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 - 4) \times (44 - 4 - 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55 - 5) \times (55 - 5 - 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66 - 6) \times (66 - 6 - 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 - 7) \times (77 - 7 - 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88 - 8) \times (88 - 8 - 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99 - 9) \times (99 - 9 - 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(11+11-1) \times (11-1-1) + 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22-2) \times (22-2-2) + 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33-3) \times (33-3-3) + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+44-4) \times (44-4-4) + 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55-5) \times (55-5-5) + 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66-6) \times (66-6-6) + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77-7) \times (77-7-7) + 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88-8) \times (88-8-8) + 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99-9) \times (99-9-9) + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

1092

$$\begin{aligned} &:= \frac{(111+11-1) \times (11-1-1) + 1 \times (1+1+1)}{1 \times 1} = \frac{(222+22-2) \times (22-2-2) + 2 \times (2+2+2)}{2 \times 2} = \frac{(333+33-3) \times (33-3-3) + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(444+44-4) \times (44-4-4) + 4 \times (4+4+4)}{4 \times 4} = \frac{(555+55-5) \times (55-5-5) + 5 \times (5+5+5)}{5 \times 5} = \frac{(666+66-6) \times (66-6-6) + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777+77-7) \times (77-7-7) + 7 \times (7+7+7)}{7 \times 7} = \frac{(888+88-8) \times (88-8-8) + 8 \times (8+8+8)}{8 \times 8} = \frac{(999+99-9) \times (99-9-9) + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

10092

$$\begin{aligned} &:= \frac{(1111+11-1) \times (11-1-1) + 1 \times (1+1+1)}{1 \times 1} = \frac{(2222+22-2) \times (22-2-2) + 2 \times (2+2+2)}{2 \times 2} = \frac{(3333+33-3) \times (33-3-3) + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(4444+44-4) \times (44-4-4) + 4 \times (4+4+4)}{4 \times 4} = \frac{(5555+55-5) \times (55-5-5) + 5 \times (5+5+5)}{5 \times 5} = \frac{(6666+66-6) \times (66-6-6) + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(7777+77-7) \times (77-7-7) + 7 \times (7+7+7)}{7 \times 7} = \frac{(8888+88-8) \times (88-8-8) + 8 \times (8+8+8)}{8 \times 8} = \frac{(9999+99-9) \times (99-9-9) + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

100092

$$\begin{aligned} &:= \frac{(11111+11-1) \times (11-1-1) + 1 \times (1+1+1)}{1 \times 1} = \frac{(22222+22-2) \times (22-2-2) + 2 \times (2+2+2)}{2 \times 2} = \frac{(33333+33-3) \times (33-3-3) + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44444+44-4) \times (44-4-4) + 4 \times (4+4+4)}{4 \times 4} = \frac{(55555+55-5) \times (55-5-5) + 5 \times (5+5+5)}{5 \times 5} = \frac{(66666+66-6) \times (66-6-6) + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77777+77-7) \times (77-7-7) + 7 \times (7+7+7)}{7 \times 7} = \frac{(88888+88-8) \times (88-8-8) + 8 \times (8+8+8)}{8 \times 8} = \frac{(99999+99-9) \times (99-9-9) + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

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193

$$\begin{aligned} &:= \frac{(111-11-1-1-1) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(222-22-2-2-2) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(333-33-3-3-3) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-4-4-4) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(555-55-5-5-5) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(666-66-6-6-6) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-7-7-7) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(888-88-8-8-8) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(999-99-9-9-9) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

2193

$$\begin{aligned} &:= \frac{(1111-11-1-1-1) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(2222-22-2-2-2) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(3333-33-3-3-3) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-44-4-4-4) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(5555-55-5-5-5) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(6666-66-6-6-6) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-77-7-7-7) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(8888-88-8-8-8) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(9999-99-9-9-9) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

22193

$$\begin{aligned} &:= \frac{(11111-11-1-1-1) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(22222-22-2-2-2) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(33333-33-3-3-3) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-44-4-4-4) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(55555-55-5-5-5) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(66666-66-6-6-6) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-77-7-7-7) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(88888-88-8-8-8) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(99999-99-9-9-9) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

222193

$$\begin{aligned} &:= \frac{(111111 - 11 - 1 - 1 - 1) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 - 22 - 2 - 2 - 2) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 - 33 - 3 - 3 - 3) \times (3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44 - 4 - 4 - 4) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 55 - 5 - 5 - 5) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 66 - 6 - 6 - 6) \times (6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77 - 7 - 7 - 7) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 88 - 8 - 8 - 8) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 99 - 9 - 9 - 9) \times (9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► 194

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (11 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (22 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (33 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (44 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (55 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (66 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times (77 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (88 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (99 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

1694

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (111 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (222 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (333 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (444 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (555 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (666 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times (777 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (888 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (999 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

16694

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (1111 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (2222 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (3333 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (4444 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (5555 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (6666 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times (7777 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (8888 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (9999 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

166694

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (11111 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (22222 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (33333 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (44444 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (55555 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (66666 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times (77777 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (88888 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (99999 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► 195

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1 + 1) \times (11 + 1 + 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (22 + 2 + 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (33 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4 + 4) \times (44 + 4 + 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (55 + 5 + 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (66 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7 + 7) \times (77 + 7 + 7)}{7 \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (88 + 8 + 8)}{8 \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (99 + 9 + 9)}{9 \times 9} \end{aligned}$$

1695

$$:= \frac{(11 + 1 + 1 + 1 + 1) \times (111 + 1 + 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (222 + 2 + 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (333 + 3 + 3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+4+4+4+4) \times (444+4+4)}{4 \times 4} = \frac{(55+5+5+5+5) \times (555+5+5)}{5 \times 5} = \frac{(66+6+6+6+6) \times (666+6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times (777+7+7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (888+8+8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (999+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{16695} &:= \frac{(11+1+1+1+1) \times (1111+1+1)}{1 \times 1} = \frac{(22+2+2+2+2) \times (2222+2+2)}{2 \times 2} = \frac{(33+3+3+3+3) \times (3333+3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times (4444+4+4)}{4 \times 4} = \frac{(55+5+5+5+5) \times (5555+5+5)}{5 \times 5} = \frac{(66+6+6+6+6) \times (6666+6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times (7777+7+7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (8888+8+8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (9999+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{166695} &:= \frac{(11+1+1+1+1) \times (11111+1+1)}{1 \times 1} = \frac{(22+2+2+2+2) \times (22222+2+2)}{2 \times 2} = \frac{(33+3+3+3+3) \times (33333+3+3)}{3 \times 3} \\ &:= \frac{(44+4+4+4+4) \times (44444+4+4)}{4 \times 4} = \frac{(55+5+5+5+5) \times (55555+5+5)}{5 \times 5} = \frac{(66+6+6+6+6) \times (66666+6+6)}{6 \times 6} \\ &:= \frac{(77+7+7+7+7) \times (77777+7+7)}{7 \times 7} = \frac{(88+8+8+8+8) \times (88888+8+8)}{8 \times 8} = \frac{(99+9+9+9+9) \times (99999+9+9)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \mathbf{196} &:= \frac{111+111-11-11-1-1-1-1}{1} = \frac{222+222-22-22-2-2-2-2}{2} = \frac{333+333-33-33-3-3-3-3}{3} \\ &:= \frac{444+444-44-44-4-4-4-4}{4} = \frac{555+555-55-55-5-5-5-5}{5} = \frac{666+666-66-66-6-6-6-6}{6} \\ &:= \frac{777+777-77-77-7-7-7-7}{7} = \frac{888+888-88-88-8-8-8-8}{8} = \frac{999+999-99-99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{1196} &:= \frac{1111+111-11-11-1-1-1-1}{1} = \frac{2222+222-22-22-2-2-2-2}{2} = \frac{3333+333-33-33-3-3-3-3}{3} \\ &:= \frac{4444+444-44-44-4-4-4-4}{4} = \frac{5555+555-55-55-5-5-5-5}{5} = \frac{6666+666-66-66-6-6-6-6}{6} \\ &:= \frac{7777+777-77-77-7-7-7-7}{7} = \frac{8888+888-88-88-8-8-8-8}{8} = \frac{9999+999-99-99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{11196} &:= \frac{11111+111-11-11-1-1-1-1}{1} = \frac{22222+222-22-22-2-2-2-2}{2} = \frac{33333+333-33-33-3-3-3-3}{3} \\ &:= \frac{44444+444-44-44-4-4-4-4}{4} = \frac{55555+555-55-55-5-5-5-5}{5} = \frac{66666+666-66-66-6-6-6-6}{6} \\ &:= \frac{77777+777-77-77-7-7-7-7}{7} = \frac{88888+888-88-88-8-8-8-8}{8} = \frac{99999+999-99-99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{111196} &:= \frac{111111+111-11-11-1-1-1-1}{1} = \frac{222222+222-22-22-2-2-2-2}{2} = \frac{333333+333-33-33-3-3-3-3}{3} \\ &:= \frac{444444+444-44-44-4-4-4-4}{4} = \frac{555555+555-55-55-5-5-5-5}{5} = \frac{666666+666-66-66-6-6-6-6}{6} \\ &:= \frac{777777+777-77-77-7-7-7-7}{7} = \frac{888888+888-88-88-8-8-8-8}{8} = \frac{999999+999-99-99-9-9-9-9}{9} \end{aligned}$$

► **197** :=
$$\frac{111 + 111 - 11 - 11 - 1 - 1 - 1}{1} = \frac{222 + 222 - 22 - 22 - 2 - 2 - 2}{2} = \frac{333 + 333 - 33 - 33 - 3 - 3 - 3}{3}$$
$$:= \frac{444 + 444 - 44 - 44 - 4 - 4 - 4}{4} = \frac{555 + 555 - 55 - 55 - 5 - 5 - 5}{5} = \frac{666 + 666 - 66 - 66 - 6 - 6 - 6}{6}$$
$$:= \frac{777 + 777 - 77 - 77 - 7 - 7 - 7}{7} = \frac{888 + 888 - 88 - 88 - 8 - 8 - 8}{8} = \frac{999 + 999 - 99 - 99 - 9 - 9 - 9}{9}$$

1197 :=
$$\frac{1111 + 111 - 11 - 11 - 1 - 1 - 1}{1} = \frac{2222 + 222 - 22 - 22 - 2 - 2 - 2}{2} = \frac{3333 + 333 - 33 - 33 - 3 - 3 - 3}{3}$$
$$:= \frac{4444 + 444 - 44 - 44 - 4 - 4 - 4}{4} = \frac{5555 + 555 - 55 - 55 - 5 - 5 - 5}{5} = \frac{6666 + 666 - 66 - 66 - 6 - 6 - 6}{6}$$
$$:= \frac{7777 + 777 - 77 - 77 - 7 - 7 - 7}{7} = \frac{8888 + 888 - 88 - 88 - 8 - 8 - 8}{8} = \frac{9999 + 999 - 99 - 99 - 9 - 9 - 9}{9}$$

11197 :=
$$\frac{11111 + 111 - 11 - 11 - 1 - 1 - 1}{1} = \frac{22222 + 222 - 22 - 22 - 2 - 2 - 2}{2} = \frac{33333 + 333 - 33 - 33 - 3 - 3 - 3}{3}$$
$$:= \frac{44444 + 444 - 44 - 44 - 4 - 4 - 4}{4} = \frac{55555 + 555 - 55 - 55 - 5 - 5 - 5}{5} = \frac{66666 + 666 - 66 - 66 - 6 - 6 - 6}{6}$$
$$:= \frac{77777 + 777 - 77 - 77 - 7 - 7 - 7}{7} = \frac{88888 + 888 - 88 - 88 - 8 - 8 - 8}{8} = \frac{99999 + 999 - 99 - 99 - 9 - 9 - 9}{9}$$

111197 :=
$$\frac{111111 + 111 - 11 - 11 - 1 - 1 - 1}{1} = \frac{222222 + 222 - 22 - 22 - 2 - 2 - 2}{2} = \frac{333333 + 333 - 33 - 33 - 3 - 3 - 3}{3}$$
$$:= \frac{444444 + 444 - 44 - 44 - 4 - 4 - 4}{4} = \frac{555555 + 555 - 55 - 55 - 5 - 5 - 5}{5} = \frac{666666 + 666 - 66 - 66 - 6 - 6 - 6}{6}$$
$$:= \frac{777777 + 777 - 77 - 77 - 7 - 7 - 7}{7} = \frac{888888 + 888 - 88 - 88 - 8 - 8 - 8}{8} = \frac{999999 + 999 - 99 - 99 - 9 - 9 - 9}{9}$$

► **198** :=
$$\frac{(11 - 1 - 1) \times (11 + 11)}{1 \times 1} = \frac{(22 - 2 - 2) \times (22 + 22)}{2 \times 2} = \frac{(33 - 3 - 3) \times (33 + 33)}{3 \times 3}$$
$$:= \frac{(44 - 4 - 4) \times (44 + 44)}{4 \times 4} = \frac{(55 - 5 - 5) \times (55 + 55)}{5 \times 5} = \frac{(66 - 6 - 6) \times (66 + 66)}{6 \times 6}$$
$$:= \frac{(77 - 7 - 7) \times (77 + 77)}{7 \times 7} = \frac{(88 - 8 - 8) \times (88 + 88)}{8 \times 8} = \frac{(99 - 9 - 9) \times (99 + 99)}{9 \times 9}$$

1998 :=
$$\frac{(11 - 1 - 1) \times (111 + 111)}{1 \times 1} = \frac{(22 - 2 - 2) \times (222 + 222)}{2 \times 2} = \frac{(33 - 3 - 3) \times (333 + 333)}{3 \times 3}$$
$$:= \frac{(44 - 4 - 4) \times (444 + 444)}{4 \times 4} = \frac{(55 - 5 - 5) \times (555 + 555)}{5 \times 5} = \frac{(66 - 6 - 6) \times (666 + 666)}{6 \times 6}$$
$$:= \frac{(77 - 7 - 7) \times (777 + 777)}{7 \times 7} = \frac{(88 - 8 - 8) \times (888 + 888)}{8 \times 8} = \frac{(99 - 9 - 9) \times (999 + 999)}{9 \times 9}$$

19998 :=
$$\frac{(11 - 1 - 1) \times (1111 + 1111)}{1 \times 1} = \frac{(22 - 2 - 2) \times (2222 + 2222)}{2 \times 2} = \frac{(33 - 3 - 3) \times (3333 + 3333)}{3 \times 3}$$
$$:= \frac{(44 - 4 - 4) \times (4444 + 4444)}{4 \times 4} = \frac{(55 - 5 - 5) \times (5555 + 5555)}{5 \times 5} = \frac{(66 - 6 - 6) \times (6666 + 6666)}{6 \times 6}$$
$$:= \frac{(77 - 7 - 7) \times (7777 + 7777)}{7 \times 7} = \frac{(88 - 8 - 8) \times (8888 + 8888)}{8 \times 8} = \frac{(99 - 9 - 9) \times (9999 + 9999)}{9 \times 9}$$

199998

$$\begin{aligned} &:= \frac{(11-1-1) \times (11111+11111)}{1 \times 1} = \frac{(22-2-2) \times (22222+22222)}{2 \times 2} = \frac{(33-3-3) \times (33333+33333)}{3 \times 3} \\ &:= \frac{(44-4-4) \times (44444+44444)}{4 \times 4} = \frac{(55-5-5) \times (55555+55555)}{5 \times 5} = \frac{(66-6-6) \times (66666+66666)}{6 \times 6} \\ &:= \frac{(77-7-7) \times (77777+77777)}{7 \times 7} = \frac{(88-8-8) \times (88888+88888)}{8 \times 8} = \frac{(99-9-9) \times (99999+99999)}{9 \times 9} \end{aligned}$$

► 199

$$\begin{aligned} &:= \frac{111+111-11-11-1}{1} = \frac{222+222-22-22-2}{2} = \frac{333+333-33-33-3}{3} \\ &:= \frac{444+444-44-44-4}{4} = \frac{555+555-55-55-5}{5} = \frac{666+666-66-66-6}{6} \\ &:= \frac{777+777-77-77-7}{7} = \frac{888+888-88-88-8}{8} = \frac{999+999-99-99-9}{9} \end{aligned}$$

1199

$$\begin{aligned} &:= \frac{1111+111-11-11-1}{1} = \frac{2222+222-22-22-2}{2} = \frac{3333+333-33-33-3}{3} \\ &:= \frac{4444+444-44-44-4}{4} = \frac{5555+555-55-55-5}{5} = \frac{6666+666-66-66-6}{6} \\ &:= \frac{7777+777-77-77-7}{7} = \frac{8888+888-88-88-8}{8} = \frac{9999+999-99-99-9}{9} \end{aligned}$$

11199

$$\begin{aligned} &:= \frac{11111+111-11-11-1}{1} = \frac{22222+222-22-22-2}{2} = \frac{33333+333-33-33-3}{3} \\ &:= \frac{44444+444-44-44-4}{4} = \frac{55555+555-55-55-5}{5} = \frac{66666+666-66-66-6}{6} \\ &:= \frac{77777+777-77-77-7}{7} = \frac{88888+888-88-88-8}{8} = \frac{99999+999-99-99-9}{9} \end{aligned}$$

111199

$$\begin{aligned} &:= \frac{111111+111-11-11-1}{1} = \frac{222222+222-22-22-2}{2} = \frac{333333+333-33-33-3}{3} \\ &:= \frac{444444+444-44-44-4}{4} = \frac{555555+555-55-55-5}{5} = \frac{666666+666-66-66-6}{6} \\ &:= \frac{777777+777-77-77-7}{7} = \frac{888888+888-88-88-8}{8} = \frac{999999+999-99-99-9}{9} \end{aligned}$$

► 200

$$\begin{aligned} &:= \frac{111+111-11-11}{1} = \frac{222+222-22-22}{2} = \frac{333+333-33-33}{3} \\ &:= \frac{444+444-44-44}{4} = \frac{555+555-55-55}{5} = \frac{666+666-66-66}{6} \\ &:= \frac{777+777-77-77}{7} = \frac{888+888-88-88}{8} = \frac{999+999-99-99}{9} \end{aligned}$$

1200

$$\begin{aligned} &:= \frac{1111+111-11-11}{1} = \frac{2222+222-22-22}{2} = \frac{3333+333-33-33}{3} \\ &:= \frac{4444+444-44-44}{4} = \frac{5555+555-55-55}{5} = \frac{6666+666-66-66}{6} \end{aligned}$$

$$:= \frac{7777 + 777 - 77 - 77}{7} = \frac{8888 + 888 - 88 - 88}{8} = \frac{9999 + 999 - 99 - 99}{9}$$

$$\begin{aligned} \mathbf{11200} &:= \frac{11111 + 111 - 11 - 11}{1} = \frac{22222 + 222 - 22 - 22}{2} = \frac{33333 + 333 - 33 - 33}{3} \\ &:= \frac{44444 + 444 - 44 - 44}{4} = \frac{55555 + 555 - 55 - 55}{5} = \frac{66666 + 666 - 66 - 66}{6} \\ &:= \frac{77777 + 777 - 77 - 77}{7} = \frac{88888 + 888 - 88 - 88}{8} = \frac{99999 + 999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{111200} &:= \frac{111111 + 111 - 11 - 11}{1} = \frac{222222 + 222 - 22 - 22}{2} = \frac{333333 + 333 - 33 - 33}{3} \\ &:= \frac{444444 + 444 - 44 - 44}{4} = \frac{555555 + 555 - 55 - 55}{5} = \frac{666666 + 666 - 66 - 66}{6} \\ &:= \frac{777777 + 777 - 77 - 77}{7} = \frac{888888 + 888 - 88 - 88}{8} = \frac{999999 + 999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{201} &:= \frac{1111 \times (1+1) - 11 \times 1}{11 \times 1} = \frac{2222 \times (2+2) - 22 \times 2}{22 \times 2} = \frac{3333 \times (3+3) - 33 \times 3}{33 \times 3} \\ &:= \frac{4444 \times (4+4) - 44 \times 4}{44 \times 4} = \frac{5555 \times (5+5) - 55 \times 5}{55 \times 5} = \frac{6666 \times (6+6) - 66 \times 6}{66 \times 6} \\ &:= \frac{7777 \times (7+7) - 77 \times 7}{77 \times 7} = \frac{8888 \times (8+8) - 88 \times 8}{88 \times 8} = \frac{9999 \times (9+9) - 99 \times 9}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{20201} &:= \frac{111111 \times (1+1) - 11 \times 1}{11 \times 1} = \frac{222222 \times (2+2) - 22 \times 2}{22 \times 2} = \frac{333333 \times (3+3) - 33 \times 3}{33 \times 3} \\ &:= \frac{444444 \times (4+4) - 44 \times 4}{44 \times 4} = \frac{555555 \times (5+5) - 55 \times 5}{55 \times 5} = \frac{666666 \times (6+6) - 66 \times 6}{66 \times 6} \\ &:= \frac{777777 \times (7+7) - 77 \times 7}{77 \times 7} = \frac{888888 \times (8+8) - 88 \times 8}{88 \times 8} = \frac{999999 \times (9+9) - 99 \times 9}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2020201} &:= \frac{11111111 \times (1+1) - 11 \times 1}{11 \times 1} = \frac{22222222 \times (2+2) - 22 \times 2}{22 \times 2} = \frac{33333333 \times (3+3) - 33 \times 3}{33 \times 3} \\ &:= \frac{44444444 \times (4+4) - 44 \times 4}{44 \times 4} = \frac{55555555 \times (5+5) - 55 \times 5}{55 \times 5} = \frac{66666666 \times (6+6) - 66 \times 6}{66 \times 6} \\ &:= \frac{77777777 \times (7+7) - 77 \times 7}{77 \times 7} = \frac{88888888 \times (8+8) - 88 \times 8}{88 \times 8} = \frac{99999999 \times (9+9) - 99 \times 9}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{202020201} &:= \frac{1111111111 \times (1+1) - 11 \times 1}{11 \times 1} = \frac{2222222222 \times (2+2) - 22 \times 2}{22 \times 2} = \frac{3333333333 \times (3+3) - 33 \times 3}{33 \times 3} \\ &:= \frac{4444444444 \times (4+4) - 44 \times 4}{44 \times 4} = \frac{5555555555 \times (5+5) - 55 \times 5}{55 \times 5} = \frac{6666666666 \times (6+6) - 66 \times 6}{66 \times 6} \\ &:= \frac{7777777777 \times (7+7) - 77 \times 7}{77 \times 7} = \frac{8888888888 \times (8+8) - 88 \times 8}{88 \times 8} = \frac{9999999999 \times (9+9) - 99 \times 9}{99 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{202} := \frac{(111 - 11 + 1) \times (1+1)}{1 \times 1} = \frac{(222 - 22 + 2) \times (2+2)}{2 \times 2} = \frac{(333 - 33 + 3) \times (3+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 - 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 - 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 - 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 - 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 - 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 - 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2202} &:= \frac{(1111 - 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 - 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 - 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 - 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 - 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 - 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 - 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 - 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 - 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22202} &:= \frac{(11111 - 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 - 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 - 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 - 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 - 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 - 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 - 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 - 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 - 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222202} &:= \frac{(111111 - 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 - 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 - 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 - 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 - 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 - 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 - 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 - 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 - 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{203} &:= \frac{1111 \times (1 + 1) + 1 \times 11}{1 \times 11} = \frac{2222 \times (2 + 2) + 2 \times 22}{2 \times 22} = \frac{3333 \times (3 + 3) + 3 \times 33}{3 \times 33} \\ &:= \frac{4444 \times (4 + 4) + 4 \times 44}{4 \times 44} = \frac{5555 \times (5 + 5) + 5 \times 55}{5 \times 55} = \frac{6666 \times (6 + 6) + 6 \times 66}{6 \times 66} \\ &:= \frac{7777 \times (7 + 7) + 7 \times 77}{7 \times 77} = \frac{8888 \times (8 + 8) + 8 \times 88}{8 \times 88} = \frac{9999 \times (9 + 9) + 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \mathbf{2020203} &:= \frac{11111111 \times (1 + 1) + 1 \times 11}{1 \times 11} = \frac{22222222 \times (2 + 2) + 2 \times 22}{2 \times 22} = \frac{33333333 \times (3 + 3) + 3 \times 33}{3 \times 33} \\ &:= \frac{44444444 \times (4 + 4) + 4 \times 44}{4 \times 44} = \frac{55555555 \times (5 + 5) + 5 \times 55}{5 \times 55} = \frac{66666666 \times (6 + 6) + 6 \times 66}{6 \times 66} \\ &:= \frac{77777777 \times (7 + 7) + 7 \times 77}{7 \times 77} = \frac{88888888 \times (8 + 8) + 8 \times 88}{8 \times 88} = \frac{99999999 \times (9 + 9) + 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \mathbf{202020203} &:= \frac{111111111111 \times (1 + 1) + 1 \times 11}{1 \times 11} = \frac{222222222222 \times (2 + 2) + 2 \times 22}{2 \times 22} = \frac{333333333333 \times (3 + 3) + 3 \times 33}{3 \times 33} \\ &:= \frac{444444444444 \times (4 + 4) + 4 \times 44}{4 \times 44} = \frac{555555555555 \times (5 + 5) + 5 \times 55}{5 \times 55} = \frac{666666666666 \times (6 + 6) + 6 \times 66}{6 \times 66} \\ &:= \frac{777777777777 \times (7 + 7) + 7 \times 77}{7 \times 77} = \frac{888888888888 \times (8 + 8) + 8 \times 88}{8 \times 88} = \frac{999999999999 \times (9 + 9) + 9 \times 99}{9 \times 99} \end{aligned}$$

202020202020203

$$\begin{aligned} &:= \frac{1111111111111111 \times (1 + 1) + 1 \times 11}{1 \times 11} = \frac{2222222222222222 \times (2 + 2) + 2 \times 22}{2 \times 22} = \frac{3333333333333333 \times (3 + 3) + 3 \times 33}{3 \times 33} \\ &:= \frac{4444444444444444 \times (4 + 4) + 4 \times 44}{4 \times 44} = \frac{5555555555555555 \times (5 + 5) + 5 \times 55}{5 \times 55} = \frac{6666666666666666 \times (6 + 6) + 6 \times 66}{6 \times 66} \\ &:= \frac{7777777777777777 \times (7 + 7) + 7 \times 77}{7 \times 77} = \frac{8888888888888888 \times (8 + 8) + 8 \times 88}{8 \times 88} = \frac{9999999999999999 \times (9 + 9) + 9 \times 99}{9 \times 99} \end{aligned}$$

► 204

$$\begin{aligned} &:= \frac{1111 \times (1 + 1) + (1 + 1) \times 11}{1 \times 11} = \frac{2222 \times (2 + 2) + (2 + 2) \times 22}{2 \times 22} = \frac{3333 \times (3 + 3) + (3 + 3) \times 33}{3 \times 33} \\ &:= \frac{4444 \times (4 + 4) + (4 + 4) \times 44}{4 \times 44} = \frac{5555 \times (5 + 5) + (5 + 5) \times 55}{5 \times 55} = \frac{6666 \times (6 + 6) + (6 + 6) \times 66}{6 \times 66} \\ &:= \frac{7777 \times (7 + 7) + (7 + 7) \times 77}{7 \times 77} = \frac{8888 \times (8 + 8) + (8 + 8) \times 88}{8 \times 88} = \frac{9999 \times (9 + 9) + (9 + 9) \times 99}{9 \times 99} \end{aligned}$$

20404

$$\begin{aligned} &:= \frac{1111 \times (1 + 1) + (1 + 1) \times 111111}{1 \times 11} = \frac{2222 \times (2 + 2) + (2 + 2) \times 222222}{2 \times 22} = \frac{3333 \times (3 + 3) + (3 + 3) \times 333333}{3 \times 33} \\ &:= \frac{4444 \times (4 + 4) + (4 + 4) \times 444444}{4 \times 44} = \frac{5555 \times (5 + 5) + (5 + 5) \times 555555}{5 \times 55} = \frac{6666 \times (6 + 6) + (6 + 6) \times 666666}{6 \times 66} \\ &:= \frac{7777 \times (7 + 7) + (7 + 7) \times 777777}{7 \times 77} = \frac{8888 \times (8 + 8) + (8 + 8) \times 888888}{8 \times 88} = \frac{9999 \times (9 + 9) + (9 + 9) \times 999999}{9 \times 99} \end{aligned}$$

202020404

$$\begin{aligned} &:= \frac{1111 \times (1 + 1) + (1 + 1) \times 1111111111}{1 \times 11} = \frac{2222 \times (2 + 2) + (2 + 2) \times 2222222222}{2 \times 22} = \frac{3333 \times (3 + 3) + (3 + 3) \times 3333333333}{3 \times 33} \\ &:= \frac{4444 \times (4 + 4) + (4 + 4) \times 4444444444}{4 \times 44} = \frac{5555 \times (5 + 5) + (5 + 5) \times 5555555555}{5 \times 55} = \frac{6666 \times (6 + 6) + (6 + 6) \times 6666666666}{6 \times 66} \\ &:= \frac{7777 \times (7 + 7) + (7 + 7) \times 7777777777}{7 \times 77} = \frac{8888 \times (8 + 8) + (8 + 8) \times 8888888888}{8 \times 88} = \frac{9999 \times (9 + 9) + (9 + 9) \times 9999999999}{9 \times 99} \end{aligned}$$

20202020404

$$\begin{aligned} &:= \frac{1111 \times (1 + 1) + (1 + 1) \times 111111111111}{1 \times 11} = \frac{2222 \times (2 + 2) + (2 + 2) \times 222222222222}{2 \times 22} = \frac{3333 \times (3 + 3) + (3 + 3) \times 333333333333}{3 \times 33} \\ &:= \frac{4444 \times (4 + 4) + (4 + 4) \times 444444444444}{4 \times 44} = \frac{5555 \times (5 + 5) + (5 + 5) \times 555555555555}{5 \times 55} = \frac{6666 \times (6 + 6) + (6 + 6) \times 666666666666}{6 \times 66} \\ &:= \frac{7777 \times (7 + 7) + (7 + 7) \times 777777777777}{7 \times 77} = \frac{8888 \times (8 + 8) + (8 + 8) \times 888888888888}{8 \times 88} = \frac{9999 \times (9 + 9) + (9 + 9) \times 999999999999}{9 \times 99} \end{aligned}$$

► 205

$$\begin{aligned} &:= \frac{111 + 111 - 11 - 1 - 1 - 1 - 1 - 1 - 1}{1} = \frac{222 + 222 - 22 - 2 - 2 - 2 - 2 - 2 - 2}{2} = \frac{333 + 333 - 33 - 3 - 3 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{444 + 444 - 44 - 4 - 4 - 4 - 4 - 4 - 4}{4} = \frac{555 + 555 - 55 - 5 - 5 - 5 - 5 - 5 - 5}{5} = \frac{666 + 666 - 66 - 6 - 6 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{777 + 777 - 77 - 7 - 7 - 7 - 7 - 7 - 7}{7} = \frac{888 + 888 - 88 - 8 - 8 - 8 - 8 - 8 - 8}{8} = \frac{999 + 999 - 99 - 9 - 9 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

1205

$$\begin{aligned} &:= \frac{1111 + 111 - 11 - 1 - 1 - 1 - 1 - 1 - 1}{1} = \frac{2222 + 222 - 22 - 2 - 2 - 2 - 2 - 2 - 2}{2} = \frac{3333 + 333 - 33 - 3 - 3 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{4444 + 444 - 44 - 4 - 4 - 4 - 4 - 4 - 4}{4} = \frac{5555 + 555 - 55 - 5 - 5 - 5 - 5 - 5 - 5}{5} = \frac{6666 + 666 - 66 - 6 - 6 - 6 - 6 - 6 - 6}{6} \end{aligned}$$

$$:= \frac{7777+777-77-7-7-7-7-7-7}{7} = \frac{8888+888-88-8-8-8-8-8-8}{8} = \frac{9999+999-99-9-9-9-9-9-9}{9}$$

$$\begin{aligned} \textcolor{red}{11205} &:= \frac{11111+111-11-1-1-1-1-1-1}{1} = \frac{22222+222-22-2-2-2-2-2-2}{2} = \frac{33333+333-33-3-3-3-3-3-3}{3} \\ &:= \frac{44444+444-44-4-4-4-4-4-4}{4} = \frac{55555+555-55-5-5-5-5-5-5}{5} = \frac{66666+666-66-6-6-6-6-6-6}{6} \\ &:= \frac{77777+777-77-7-7-7-7-7-7}{7} = \frac{88888+888-88-8-8-8-8-8-8}{8} = \frac{99999+999-99-9-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111205} &:= \frac{111111+111-11-1-1-1-1-1-1}{1} = \frac{222222+222-22-2-2-2-2-2-2}{2} = \frac{333333+333-33-3-3-3-3-3-3}{3} \\ &:= \frac{444444+444-44-4-4-4-4-4-4}{4} = \frac{555555+555-55-5-5-5-5-5-5}{5} = \frac{666666+666-66-6-6-6-6-6-6}{6} \\ &:= \frac{777777+777-77-7-7-7-7-7-7}{7} = \frac{888888+888-88-8-8-8-8-8-8}{8} = \frac{999999+999-99-9-9-9-9-9-9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{206} &:= \frac{111+111-11-1-1-1-1-1}{1} = \frac{222+222-22-2-2-2-2-2}{2} = \frac{333+333-33-3-3-3-3-3}{3} \\ &:= \frac{444+444-44-4-4-4-4-4}{4} = \frac{555+555-55-5-5-5-5-5}{5} = \frac{666+666-66-6-6-6-6-6}{6} \\ &:= \frac{777+777-77-7-7-7-7-7}{7} = \frac{888+888-88-8-8-8-8-8}{8} = \frac{999+999-99-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1206} &:= \frac{1111+111-11-1-1-1-1-1}{1} = \frac{2222+222-22-2-2-2-2-2}{2} = \frac{3333+333-33-3-3-3-3-3}{3} \\ &:= \frac{4444+444-44-4-4-4-4-4}{4} = \frac{5555+555-55-5-5-5-5-5}{5} = \frac{6666+666-66-6-6-6-6-6}{6} \\ &:= \frac{7777+777-77-7-7-7-7-7}{7} = \frac{8888+888-88-8-8-8-8-8}{8} = \frac{9999+999-99-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11206} &:= \frac{11111+111-11-1-1-1-1-1}{1} = \frac{22222+222-22-2-2-2-2-2}{2} = \frac{33333+333-33-3-3-3-3-3}{3} \\ &:= \frac{44444+444-44-4-4-4-4-4}{4} = \frac{55555+555-55-5-5-5-5-5}{5} = \frac{66666+666-66-6-6-6-6-6}{6} \\ &:= \frac{77777+777-77-7-7-7-7-7}{7} = \frac{88888+888-88-8-8-8-8-8}{8} = \frac{99999+999-99-9-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111206} &:= \frac{111111+111-11-1-1-1-1-1}{1} = \frac{222222+222-22-2-2-2-2-2}{2} = \frac{333333+333-33-3-3-3-3-3}{3} \\ &:= \frac{444444+444-44-4-4-4-4-4}{4} = \frac{555555+555-55-5-5-5-5-5}{5} = \frac{666666+666-66-6-6-6-6-6}{6} \\ &:= \frac{777777+777-77-7-7-7-7-7}{7} = \frac{888888+888-88-8-8-8-8-8}{8} = \frac{999999+999-99-9-9-9-9-9}{9} \end{aligned}$$

►

$$\textcolor{red}{207} := \frac{111+111-11-1-1-1-1}{1} = \frac{222+222-22-2-2-2-2}{2} = \frac{333+333-33-3-3-3-3}{3}$$

$$\begin{aligned} &:= \frac{444 + 444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{555 + 555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{666 + 666 - 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{777 + 777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{888 + 888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{999 + 999 - 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

1207 := $\frac{1111 + 111 - 11 - 1 - 1 - 1 - 1}{1} = \frac{2222 + 222 - 22 - 2 - 2 - 2 - 2}{2} = \frac{3333 + 333 - 33 - 3 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{4444 + 444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{5555 + 555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{6666 + 666 - 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{7777 + 777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{8888 + 888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{9999 + 999 - 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

11207 := $\frac{11111 + 111 - 11 - 1 - 1 - 1 - 1}{1} = \frac{22222 + 222 - 22 - 2 - 2 - 2 - 2}{2} = \frac{33333 + 333 - 33 - 3 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{44444 + 444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{55555 + 555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{66666 + 666 - 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{77777 + 777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{88888 + 888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{99999 + 999 - 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

111207 := $\frac{111111 + 111 - 11 - 1 - 1 - 1 - 1}{1} = \frac{222222 + 222 - 22 - 2 - 2 - 2 - 2}{2} = \frac{333333 + 333 - 33 - 3 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{444444 + 444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{555555 + 555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{666666 + 666 - 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{777777 + 777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{888888 + 888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{999999 + 999 - 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

► **208** := $\frac{111 + 111 - 11 - 1 - 1 - 1}{1} = \frac{222 + 222 - 22 - 2 - 2 - 2}{2} = \frac{333 + 333 - 33 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{444 + 444 - 44 - 4 - 4 - 4}{4} = \frac{555 + 555 - 55 - 5 - 5 - 5}{5} = \frac{666 + 666 - 66 - 6 - 6 - 6}{6} \\ &:= \frac{777 + 777 - 77 - 7 - 7 - 7}{7} = \frac{888 + 888 - 88 - 8 - 8 - 8}{8} = \frac{999 + 999 - 99 - 9 - 9 - 9}{9} \end{aligned}$$

1208 := $\frac{1111 + 111 - 11 - 1 - 1 - 1}{1} = \frac{2222 + 222 - 22 - 2 - 2 - 2}{2} = \frac{3333 + 333 - 33 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{4444 + 444 - 44 - 4 - 4 - 4}{4} = \frac{5555 + 555 - 55 - 5 - 5 - 5}{5} = \frac{6666 + 666 - 66 - 6 - 6 - 6}{6} \\ &:= \frac{7777 + 777 - 77 - 7 - 7 - 7}{7} = \frac{8888 + 888 - 88 - 8 - 8 - 8}{8} = \frac{9999 + 999 - 99 - 9 - 9 - 9}{9} \end{aligned}$$

11208 := $\frac{11111 + 111 - 11 - 1 - 1 - 1}{1} = \frac{22222 + 222 - 22 - 2 - 2 - 2}{2} = \frac{33333 + 333 - 33 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{44444 + 444 - 44 - 4 - 4 - 4}{4} = \frac{55555 + 555 - 55 - 5 - 5 - 5}{5} = \frac{66666 + 666 - 66 - 6 - 6 - 6}{6} \\ &:= \frac{77777 + 777 - 77 - 7 - 7 - 7}{7} = \frac{88888 + 888 - 88 - 8 - 8 - 8}{8} = \frac{99999 + 999 - 99 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned}
 \mathbf{111208} &:= \frac{111111 + 111 - 11 - 1 - 1 - 1}{1} = \frac{222222 + 222 - 22 - 2 - 2 - 2}{2} = \frac{333333 + 333 - 33 - 3 - 3 - 3}{3} \\
 &:= \frac{444444 + 444 - 44 - 4 - 4 - 4}{4} = \frac{555555 + 555 - 55 - 5 - 5 - 5}{5} = \frac{666666 + 666 - 66 - 6 - 6 - 6}{6} \\
 &:= \frac{777777 + 777 - 77 - 7 - 7 - 7}{7} = \frac{888888 + 888 - 88 - 8 - 8 - 8}{8} = \frac{999999 + 999 - 99 - 9 - 9 - 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \mathbf{209} &:= \frac{111 + 111 - 11 - 1 - 1}{1} = \frac{222 + 222 - 22 - 2 - 2}{2} = \frac{333 + 333 - 33 - 3 - 3}{3} \\
 &:= \frac{444 + 444 - 44 - 4 - 4}{4} = \frac{555 + 555 - 55 - 5 - 5}{5} = \frac{666 + 666 - 66 - 6 - 6}{6} \\
 &:= \frac{777 + 777 - 77 - 7 - 7}{7} = \frac{888 + 888 - 88 - 8 - 8}{8} = \frac{999 + 999 - 99 - 9 - 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{1209} &:= \frac{1111 + 111 - 11 - 1 - 1}{1} = \frac{2222 + 222 - 22 - 2 - 2}{2} = \frac{3333 + 333 - 33 - 3 - 3}{3} \\
 &:= \frac{4444 + 444 - 44 - 4 - 4}{4} = \frac{5555 + 555 - 55 - 5 - 5}{5} = \frac{6666 + 666 - 66 - 6 - 6}{6} \\
 &:= \frac{7777 + 777 - 77 - 7 - 7}{7} = \frac{8888 + 888 - 88 - 8 - 8}{8} = \frac{9999 + 999 - 99 - 9 - 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{11209} &:= \frac{11111 + 111 - 11 - 1 - 1}{1} = \frac{22222 + 222 - 22 - 2 - 2}{2} = \frac{33333 + 333 - 33 - 3 - 3}{3} \\
 &:= \frac{44444 + 444 - 44 - 4 - 4}{4} = \frac{55555 + 555 - 55 - 5 - 5}{5} = \frac{66666 + 666 - 66 - 6 - 6}{6} \\
 &:= \frac{77777 + 777 - 77 - 7 - 7}{7} = \frac{88888 + 888 - 88 - 8 - 8}{8} = \frac{99999 + 999 - 99 - 9 - 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{111209} &:= \frac{111111 + 111 - 11 - 1 - 1}{1} = \frac{222222 + 222 - 22 - 2 - 2}{2} = \frac{333333 + 333 - 33 - 3 - 3}{3} \\
 &:= \frac{444444 + 444 - 44 - 4 - 4}{4} = \frac{555555 + 555 - 55 - 5 - 5}{5} = \frac{666666 + 666 - 66 - 6 - 6}{6} \\
 &:= \frac{777777 + 777 - 77 - 7 - 7}{7} = \frac{888888 + 888 - 88 - 8 - 8}{8} = \frac{999999 + 999 - 99 - 9 - 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \mathbf{210} &:= \frac{(11 + 11 - 1) \times (11 - 1)}{1 \times 1} = \frac{(22 + 22 - 2) \times (22 - 2)}{2 \times 2} = \frac{(33 + 33 - 3) \times (33 - 3)}{3 \times 3} \\
 &:= \frac{(44 + 44 - 4) \times (44 - 4)}{4 \times 4} = \frac{(55 + 55 - 5) \times (55 - 5)}{5 \times 5} = \frac{(66 + 66 - 6) \times (66 - 6)}{6 \times 6} \\
 &:= \frac{(77 + 77 - 7) \times (77 - 7)}{7 \times 7} = \frac{(88 + 88 - 8) \times (88 - 8)}{8 \times 8} = \frac{(99 + 99 - 9) \times (99 - 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{1210} &:= \frac{(111 + 11 - 1) \times (11 - 1)}{1 \times 1} = \frac{(222 + 22 - 2) \times (22 - 2)}{2 \times 2} = \frac{(333 + 33 - 3) \times (33 - 3)}{3 \times 3} \\
 &:= \frac{(444 + 44 - 4) \times (44 - 4)}{4 \times 4} = \frac{(555 + 55 - 5) \times (55 - 5)}{5 \times 5} = \frac{(666 + 66 - 6) \times (66 - 6)}{6 \times 6}
 \end{aligned}$$

$$:= \frac{(777 + 77 - 7) \times (77 - 7)}{7 \times 7} = \frac{(888 + 88 - 8) \times (88 - 8)}{8 \times 8} = \frac{(999 + 99 - 9) \times (99 - 9)}{9 \times 9}$$

$$\begin{aligned} \mathbf{11210} &:= \frac{(1111 + 11 - 1) \times (11 - 1)}{1 \times 1} = \frac{(2222 + 22 - 2) \times (22 - 2)}{2 \times 2} = \frac{(3333 + 33 - 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 - 4) \times (44 - 4)}{4 \times 4} = \frac{(5555 + 55 - 5) \times (55 - 5)}{5 \times 5} = \frac{(6666 + 66 - 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 - 7) \times (77 - 7)}{7 \times 7} = \frac{(8888 + 88 - 8) \times (88 - 8)}{8 \times 8} = \frac{(9999 + 99 - 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{111210} &:= \frac{(11111 + 11 - 1) \times (11 - 1)}{1 \times 1} = \frac{(22222 + 22 - 2) \times (22 - 2)}{2 \times 2} = \frac{(33333 + 33 - 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 - 4) \times (44 - 4)}{4 \times 4} = \frac{(55555 + 55 - 5) \times (55 - 5)}{5 \times 5} = \frac{(66666 + 66 - 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 - 7) \times (77 - 7)}{7 \times 7} = \frac{(88888 + 88 - 8) \times (88 - 8)}{8 \times 8} = \frac{(99999 + 99 - 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{211} &:= \frac{111 + 111 - 11}{1} = \frac{222 + 222 - 22}{2} = \frac{333 + 333 - 33}{3} \\ &:= \frac{444 + 444 - 44}{4} = \frac{555 + 555 - 55}{5} = \frac{666 + 666 - 66}{6} \\ &:= \frac{777 + 777 - 77}{7} = \frac{888 + 888 - 88}{8} = \frac{999 + 999 - 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{1211} &:= \frac{1111 + 111 - 11}{1} = \frac{2222 + 222 - 22}{2} = \frac{3333 + 333 - 33}{3} \\ &:= \frac{4444 + 444 - 44}{4} = \frac{5555 + 555 - 55}{5} = \frac{6666 + 666 - 66}{6} \\ &:= \frac{7777 + 777 - 77}{7} = \frac{8888 + 888 - 88}{8} = \frac{9999 + 999 - 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{11211} &:= \frac{11111 + 111 - 11}{1} = \frac{22222 + 222 - 22}{2} = \frac{33333 + 333 - 33}{3} \\ &:= \frac{44444 + 444 - 44}{4} = \frac{55555 + 555 - 55}{5} = \frac{66666 + 666 - 66}{6} \\ &:= \frac{77777 + 777 - 77}{7} = \frac{88888 + 888 - 88}{8} = \frac{99999 + 999 - 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{111211} &:= \frac{111111 + 111 - 11}{1} = \frac{222222 + 222 - 22}{2} = \frac{333333 + 333 - 33}{3} \\ &:= \frac{444444 + 444 - 44}{4} = \frac{555555 + 555 - 55}{5} = \frac{666666 + 666 - 66}{6} \\ &:= \frac{777777 + 777 - 77}{7} = \frac{888888 + 888 - 88}{8} = \frac{999999 + 999 - 99}{9} \end{aligned}$$

$$\blacktriangleright \mathbf{212} := \frac{111 + 111 - 11 + 1}{1} = \frac{222 + 222 - 22 + 2}{2} = \frac{333 + 333 - 33 + 3}{3}$$

$$\begin{aligned} &:= \frac{444 + 444 - 44 + 4}{4} = \frac{555 + 555 - 55 + 5}{5} = \frac{666 + 666 - 66 + 6}{6} \\ &:= \frac{777 + 777 - 77 + 7}{7} = \frac{888 + 888 - 88 + 8}{8} = \frac{999 + 999 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1212} &:= \frac{1111 + 111 - 11 + 1}{1} = \frac{2222 + 222 - 22 + 2}{2} = \frac{3333 + 333 - 33 + 3}{3} \\ &:= \frac{4444 + 444 - 44 + 4}{4} = \frac{5555 + 555 - 55 + 5}{5} = \frac{6666 + 666 - 66 + 6}{6} \\ &:= \frac{7777 + 777 - 77 + 7}{7} = \frac{8888 + 888 - 88 + 8}{8} = \frac{9999 + 999 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11212} &:= \frac{11111 + 111 - 11 + 1}{1} = \frac{22222 + 222 - 22 + 2}{2} = \frac{33333 + 333 - 33 + 3}{3} \\ &:= \frac{44444 + 444 - 44 + 4}{4} = \frac{55555 + 555 - 55 + 5}{5} = \frac{66666 + 666 - 66 + 6}{6} \\ &:= \frac{77777 + 777 - 77 + 7}{7} = \frac{88888 + 888 - 88 + 8}{8} = \frac{99999 + 999 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111212} &:= \frac{111111 + 111 - 11 + 1}{1} = \frac{222222 + 222 - 22 + 2}{2} = \frac{333333 + 333 - 33 + 3}{3} \\ &:= \frac{444444 + 444 - 44 + 4}{4} = \frac{555555 + 555 - 55 + 5}{5} = \frac{666666 + 666 - 66 + 6}{6} \\ &:= \frac{777777 + 777 - 77 + 7}{7} = \frac{888888 + 888 - 88 + 8}{8} = \frac{999999 + 999 - 99 + 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{213} &:= \frac{111 + 111 - 11 + 1 + 1}{1} = \frac{222 + 222 - 22 + 2 + 2}{2} = \frac{333 + 333 - 33 + 3 + 3}{3} \\ &:= \frac{444 + 444 - 44 + 4 + 4}{4} = \frac{555 + 555 - 55 + 5 + 5}{5} = \frac{666 + 666 - 66 + 6 + 6}{6} \\ &:= \frac{777 + 777 - 77 + 7 + 7}{7} = \frac{888 + 888 - 88 + 8 + 8}{8} = \frac{999 + 999 - 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1213} &:= \frac{1111 + 111 - 11 + 1 + 1}{1} = \frac{2222 + 222 - 22 + 2 + 2}{2} = \frac{3333 + 333 - 33 + 3 + 3}{3} \\ &:= \frac{4444 + 444 - 44 + 4 + 4}{4} = \frac{5555 + 555 - 55 + 5 + 5}{5} = \frac{6666 + 666 - 66 + 6 + 6}{6} \\ &:= \frac{7777 + 777 - 77 + 7 + 7}{7} = \frac{8888 + 888 - 88 + 8 + 8}{8} = \frac{9999 + 999 - 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11213} &:= \frac{11111 + 111 - 11 + 1 + 1}{1} = \frac{22222 + 222 - 22 + 2 + 2}{2} = \frac{33333 + 333 - 33 + 3 + 3}{3} \\ &:= \frac{44444 + 444 - 44 + 4 + 4}{4} = \frac{55555 + 555 - 55 + 5 + 5}{5} = \frac{66666 + 666 - 66 + 6 + 6}{6} \\ &:= \frac{77777 + 777 - 77 + 7 + 7}{7} = \frac{88888 + 888 - 88 + 8 + 8}{8} = \frac{99999 + 999 - 99 + 9 + 9}{9} \end{aligned}$$

111213

$$\begin{aligned} &:= \frac{111111+111-11+1+1}{1} = \frac{222222+222-22+2+2}{2} = \frac{333333+333-33+3+3}{3} \\ &:= \frac{444444+444-44+4+4}{4} = \frac{555555+555-55+5+5}{5} = \frac{666666+666-66+6+6}{6} \\ &:= \frac{777777+777-77+7+7}{7} = \frac{888888+888-88+8+8}{8} = \frac{999999+999-99+9+9}{9} \end{aligned}$$

► 214

$$\begin{aligned} &:= \frac{111+111-11+1+1+1}{1} = \frac{222+222-22+2+2+2}{2} = \frac{333+333-33+3+3+3}{3} \\ &:= \frac{444+444-44+4+4+4}{4} = \frac{555+555-55+5+5+5}{5} = \frac{666+666-66+6+6+6}{6} \\ &:= \frac{777+777-77+7+7+7}{7} = \frac{888+888-88+8+8+8}{8} = \frac{999+999-99+9+9+9}{9} \end{aligned}$$

1214

$$\begin{aligned} &:= \frac{1111+111-11+1+1+1}{1} = \frac{2222+222-22+2+2+2}{2} = \frac{3333+333-33+3+3+3}{3} \\ &:= \frac{4444+444-44+4+4+4}{4} = \frac{5555+555-55+5+5+5}{5} = \frac{6666+666-66+6+6+6}{6} \\ &:= \frac{7777+777-77+7+7+7}{7} = \frac{8888+888-88+8+8+8}{8} = \frac{9999+999-99+9+9+9}{9} \end{aligned}$$

111214

$$\begin{aligned} &:= \frac{11111+111-11+1+1+1}{1} = \frac{22222+222-22+2+2+2}{2} = \frac{33333+333-33+3+3+3}{3} \\ &:= \frac{44444+444-44+4+4+4}{4} = \frac{55555+555-55+5+5+5}{5} = \frac{66666+666-66+6+6+6}{6} \\ &:= \frac{77777+777-77+7+7+7}{7} = \frac{88888+888-88+8+8+8}{8} = \frac{99999+999-99+9+9+9}{9} \end{aligned}$$

111214

$$\begin{aligned} &:= \frac{111111+111-11+1+1+1}{1} = \frac{222222+222-22+2+2+2}{2} = \frac{333333+333-33+3+3+3}{3} \\ &:= \frac{444444+444-44+4+4+4}{4} = \frac{555555+555-55+5+5+5}{5} = \frac{666666+666-66+6+6+6}{6} \\ &:= \frac{777777+777-77+7+7+7}{7} = \frac{888888+888-88+8+8+8}{8} = \frac{999999+999-99+9+9+9}{9} \end{aligned}$$

► 215

$$\begin{aligned} &:= \frac{111+111-11+1+1+1+1}{1} = \frac{222+222-22+2+2+2+2}{2} = \frac{333+333-33+3+3+3+3}{3} \\ &:= \frac{444+444-44+4+4+4+4}{4} = \frac{555+555-55+5+5+5+5}{5} = \frac{666+666-66+6+6+6+6}{6} \\ &:= \frac{777+777-77+7+7+7+7}{7} = \frac{888+888-88+8+8+8+8}{8} = \frac{999+999-99+9+9+9+9}{9} \end{aligned}$$

1215

$$\begin{aligned} &:= \frac{1111+111-11+1+1+1+1}{1} = \frac{2222+222-22+2+2+2+2}{2} = \frac{3333+333-33+3+3+3+3}{3} \\ &:= \frac{4444+444-44+4+4+4+4}{4} = \frac{5555+555-55+5+5+5+5}{5} = \frac{6666+666-66+6+6+6+6}{6} \end{aligned}$$

$$:= \frac{7777+777-77+7+7+7+7+7}{7} = \frac{8888+888-88+8+8+8+8+8}{8} = \frac{9999+999-99+9+9+9+9+9}{9}$$

$$\begin{aligned} \textcolor{red}{11215} &:= \frac{11111+111-11+1+1+1+1+1}{1} = \frac{22222+222-22+2+2+2+2+2}{2} = \frac{33333+333-33+3+3+3+3+3}{3} \\ &:= \frac{44444+444-44+4+4+4+4+4}{4} = \frac{55555+555-55+5+5+5+5+5}{5} = \frac{66666+666-66+6+6+6+6+6}{6} \\ &:= \frac{77777+777-77+7+7+7+7+7}{7} = \frac{88888+888-88+8+8+8+8+8}{8} = \frac{99999+999-99+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111215} &:= \frac{111111+111-11+1+1+1+1+1}{1} = \frac{222222+222-22+2+2+2+2+2}{2} = \frac{333333+333-33+3+3+3+3+3}{3} \\ &:= \frac{444444+444-44+4+4+4+4+4}{4} = \frac{555555+555-55+5+5+5+5+5}{5} = \frac{666666+666-66+6+6+6+6+6}{6} \\ &:= \frac{777777+777-77+7+7+7+7+7}{7} = \frac{888888+888-88+8+8+8+8+8}{8} = \frac{999999+999-99+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{216} &:= \frac{111+111-11+1+1+1+1+1+1}{1} = \frac{222+222-22+2+2+2+2+2+2}{2} = \frac{333+333-33+3+3+3+3+3+3}{3} \\ &:= \frac{444+444-44+4+4+4+4+4+4}{4} = \frac{555+555-55+5+5+5+5+5+5}{5} = \frac{666+666-66+6+6+6+6+6+6}{6} \\ &:= \frac{777+777-77+7+7+7+7+7+7}{7} = \frac{888+888-88+8+8+8+8+8+8}{8} = \frac{999+999-99+9+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1216} &:= \frac{1111+111-11+1+1+1+1+1+1}{1} = \frac{2222+222-22+2+2+2+2+2+2}{2} = \frac{3333+333-33+3+3+3+3+3+3}{3} \\ &:= \frac{4444+444-44+4+4+4+4+4+4}{4} = \frac{5555+555-55+5+5+5+5+5+5}{5} = \frac{6666+666-66+6+6+6+6+6+6}{6} \\ &:= \frac{7777+777-77+7+7+7+7+7+7}{7} = \frac{8888+888-88+8+8+8+8+8+8}{8} = \frac{9999+999-99+9+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11216} &:= \frac{11111+111-11+1+1+1+1+1+1}{1} = \frac{22222+222-22+2+2+2+2+2+2}{2} = \frac{33333+333-33+3+3+3+3+3+3}{3} \\ &:= \frac{44444+444-44+4+4+4+4+4+4}{4} = \frac{55555+555-55+5+5+5+5+5+5}{5} = \frac{66666+666-66+6+6+6+6+6+6}{6} \\ &:= \frac{77777+777-77+7+7+7+7+7+7}{7} = \frac{88888+888-88+8+8+8+8+8+8}{8} = \frac{99999+999-99+9+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111216} &:= \frac{111111+111-11+1+1+1+1+1+1}{1} = \frac{222222+222-22+2+2+2+2+2+2}{2} = \frac{333333+333-33+3+3+3+3+3+3}{3} \\ &:= \frac{444444+444-44+4+4+4+4+4+4}{4} = \frac{555555+555-55+5+5+5+5+5+5}{5} = \frac{666666+666-66+6+6+6+6+6+6}{6} \\ &:= \frac{777777+777-77+7+7+7+7+7+7}{7} = \frac{888888+888-88+8+8+8+8+8+8}{8} = \frac{999999+999-99+9+9+9+9+9+9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{217} := \frac{111+111-11+1+1+1+1+1+1+1}{1} = \frac{222+222-22+2+2+2+2+2+2+2}{2} = \frac{333+333-33+3+3+3+3+3+3+3}{3}$$

$$\begin{aligned} &:= \frac{444+444-44+4+4+4+4+4+4}{4} = \frac{555+555-55+5+5+5+5+5+5}{5} = \frac{666+666-66+6+6+6+6+6+6}{6} \\ &:= \frac{777+777-77+7+7+7+7+7+7}{7} = \frac{888+888-88+8+8+8+8+8+8}{8} = \frac{999+999-99+9+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1217} &:= \frac{1111+111-11+1+1+1+1+1+1}{1} = \frac{2222+222-22+2+2+2+2+2+2}{2} = \frac{3333+333-33+3+3+3+3+3+3}{3} \\ &:= \frac{4444+444-44+4+4+4+4+4+4}{4} = \frac{5555+555-55+5+5+5+5+5+5}{5} = \frac{6666+666-66+6+6+6+6+6+6}{6} \\ &:= \frac{7777+777-77+7+7+7+7+7+7}{7} = \frac{8888+888-88+8+8+8+8+8+8}{8} = \frac{9999+999-99+9+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11217} &:= \frac{11111+111-11+1+1+1+1+1+1}{1} = \frac{22222+222-22+2+2+2+2+2+2}{2} = \frac{33333+333-33+3+3+3+3+3+3}{3} \\ &:= \frac{44444+444-44+4+4+4+4+4+4}{4} = \frac{55555+555-55+5+5+5+5+5+5}{5} = \frac{66666+666-66+6+6+6+6+6+6}{6} \\ &:= \frac{77777+777-77+7+7+7+7+7+7}{7} = \frac{88888+888-88+8+8+8+8+8+8}{8} = \frac{99999+999-99+9+9+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111217} &:= \frac{111111+111-11+1+1+1+1+1+1}{1} = \frac{222222+222-22+2+2+2+2+2+2}{2} = \frac{333333+333-33+3+3+3+3+3+3}{3} \\ &:= \frac{444444+444-44+4+4+4+4+4+4}{4} = \frac{555555+555-55+5+5+5+5+5+5}{5} = \frac{666666+666-66+6+6+6+6+6+6}{6} \\ &:= \frac{777777+777-77+7+7+7+7+7+7}{7} = \frac{888888+888-88+8+8+8+8+8+8}{8} = \frac{999999+999-99+9+9+9+9+9+9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{218} &:= \frac{111+111-1-1-1-1}{1} = \frac{222+222-2-2-2-2}{2} = \frac{333+333-3-3-3-3}{3} \\ &:= \frac{444+444-4-4-4-4}{4} = \frac{555+555-5-5-5-5}{5} = \frac{666+666-6-6-6-6}{6} \\ &:= \frac{777+777-7-7-7-7}{7} = \frac{888+888-8-8-8-8}{8} = \frac{999+999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1218} &:= \frac{1111+111-1-1-1-1}{1} = \frac{2222+222-2-2-2-2}{2} = \frac{3333+333-3-3-3-3}{3} \\ &:= \frac{4444+444-4-4-4-4}{4} = \frac{5555+555-5-5-5-5}{5} = \frac{6666+666-6-6-6-6}{6} \\ &:= \frac{7777+777-7-7-7-7}{7} = \frac{8888+888-8-8-8-8}{8} = \frac{9999+999-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11218} &:= \frac{11111+111-1-1-1-1}{1} = \frac{22222+222-2-2-2-2}{2} = \frac{33333+333-3-3-3-3}{3} \\ &:= \frac{44444+444-4-4-4-4}{4} = \frac{55555+555-5-5-5-5}{5} = \frac{66666+666-6-6-6-6}{6} \\ &:= \frac{77777+777-7-7-7-7}{7} = \frac{88888+888-8-8-8-8}{8} = \frac{99999+999-9-9-9-9}{9} \end{aligned}$$

111218

111111+111-1-1-1-1

1

222222+222-2-2-2-2

2

333333+333-3-3-3-3

3

=

444444+444-4-4-4-4

4

555555+555-5-5-5-5

5

666666+666-6-6-6-6

6

=

777777+777-7-7-7-7

7

888888+888-8-8-8-8

8

999999+999-9-9-9-9

9

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219

111+111-1-1-1

1

222+222-2-2-2

2

333+333-3-3-3

3

=

444+444-4-4-4

4

555+555-5-5-5

5

666+666-6-6-6

6

=

777+777-7-7-7

7

888+888-8-8-8

8

999+999-9-9-9

9

1219

1111+111-1-1-1

1

2222+222-2-2-2

2

3333+333-3-3-3

3

=

4444+444-4-4-4

4

5555+555-5-5-5

5

6666+666-6-6-6

6

=

7777+777-7-7-7

7

8888+888-8-8-8

8

9999+999-9-9-9

9

11219

11111+111-1-1-1

1

22222+222-2-2-2

2

33333+333-3-3-3

3

=

44444+444-4-4-4

4

55555+555-5-5-5

5

66666+666-6-6-6

6

=

77777+777-7-7-7

7

88888+888-8-8-8

8

99999+999-9-9-9

9

111219

111111+111-1-1-1

1

222222+222-2-2-2

2

333333+333-3-3-3

3

=

444444+444-4-4-4

4

555555+555-5-5-5

5

666666+666-6-6-6

6

=

777777+777-7-7-7

7

888888+888-8-8-8

8

999999+999-9-9-9

9

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220

111+111-1-1

1

222+222-2-2

2

333+333-3-3

3

=

444+444-4-4

4

555+555-5-5

5

666+666-6-6

6

=

777+777-7-7

7

888+888-8-8

8

999+999-9-9

9

1220

1111+111-1-1

1

2222+222-2-2

2

3333+333-3-3

3

=

4444+444-4-4

4

5555+555-5-5

5

6666+666-6-6

6

$$:= \frac{7777 + 777 - 7 - 7}{7} = \frac{8888 + 888 - 8 - 8}{8} = \frac{9999 + 999 - 9 - 9}{9}$$

$$\begin{aligned} \textcolor{red}{11220} &:= \frac{11111 + 111 - 1 - 1}{1} = \frac{22222 + 222 - 2 - 2}{2} = \frac{33333 + 333 - 3 - 3}{3} \\ &:= \frac{44444 + 444 - 4 - 4}{4} = \frac{55555 + 555 - 5 - 5}{5} = \frac{66666 + 666 - 6 - 6}{6} \\ &:= \frac{77777 + 777 - 7 - 7}{7} = \frac{88888 + 888 - 8 - 8}{8} = \frac{99999 + 999 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111220} &:= \frac{111111 + 111 - 1 - 1}{1} = \frac{222222 + 222 - 2 - 2}{2} = \frac{333333 + 333 - 3 - 3}{3} \\ &:= \frac{444444 + 444 - 4 - 4}{4} = \frac{555555 + 555 - 5 - 5}{5} = \frac{666666 + 666 - 6 - 6}{6} \\ &:= \frac{777777 + 777 - 7 - 7}{7} = \frac{888888 + 888 - 8 - 8}{8} = \frac{999999 + 999 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{221} &:= \frac{111 + 111 - 1}{1} = \frac{222 + 222 - 2}{2} = \frac{333 + 333 - 3}{3} \\ &:= \frac{444 + 444 - 4}{4} = \frac{555 + 555 - 5}{5} = \frac{666 + 666 - 6}{6} \\ &:= \frac{777 + 777 - 7}{7} = \frac{888 + 888 - 8}{8} = \frac{999 + 999 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1221} &:= \frac{1111 + 111 - 1}{1} = \frac{2222 + 222 - 2}{2} = \frac{3333 + 333 - 3}{3} \\ &:= \frac{4444 + 444 - 4}{4} = \frac{5555 + 555 - 5}{5} = \frac{6666 + 666 - 6}{6} \\ &:= \frac{7777 + 777 - 7}{7} = \frac{8888 + 888 - 8}{8} = \frac{9999 + 999 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11221} &:= \frac{11111 + 111 - 1}{1} = \frac{22222 + 222 - 2}{2} = \frac{33333 + 333 - 3}{3} \\ &:= \frac{44444 + 444 - 4}{4} = \frac{55555 + 555 - 5}{5} = \frac{66666 + 666 - 6}{6} \\ &:= \frac{77777 + 777 - 7}{7} = \frac{88888 + 888 - 8}{8} = \frac{99999 + 999 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111221} &:= \frac{111111 + 111 - 1}{1} = \frac{222222 + 222 - 2}{2} = \frac{333333 + 333 - 3}{3} \\ &:= \frac{444444 + 444 - 4}{4} = \frac{555555 + 555 - 5}{5} = \frac{666666 + 666 - 6}{6} \\ &:= \frac{777777 + 777 - 7}{7} = \frac{888888 + 888 - 8}{8} = \frac{999999 + 999 - 9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{222} := \frac{111 + 111}{1} = \frac{222 + 222}{2} = \frac{333 + 333}{3} = \frac{444 + 444}{4} = \frac{555 + 555}{5} = \frac{666 + 666}{6} = \frac{777 + 777}{7} = \frac{888 + 888}{8} = \frac{999 + 999}{9}$$

$$\textcolor{red}{1222} := \frac{1111+111}{1} = \frac{2222+222}{2} = \frac{3333+333}{3} = \frac{4444+444}{4} = \frac{5555+555}{5} = \frac{6666+666}{6} = \frac{7777+777}{7} = \frac{8888+888}{8} = \frac{9999+999}{9}$$

$$\textcolor{red}{11222} := \frac{11111+111}{1} = \frac{22222+222}{2} = \frac{33333+333}{3} = \frac{44444+444}{4} = \frac{55555+555}{5} = \frac{66666+666}{6} = \frac{77777+777}{7} = \frac{88888+888}{8} = \frac{99999+999}{9}$$

$$\textcolor{red}{111222} := \frac{111111+111}{1} = \frac{222222+222}{2} = \frac{333333+333}{3} = \frac{444444+444}{4} = \frac{555555+555}{5} = \frac{666666+666}{6} = \frac{777777+777}{7} = \frac{888888+888}{8} = \frac{999999+999}{9}$$

►

$$\begin{aligned} \textcolor{red}{223} &:= \frac{111+111+1}{1} = \frac{222+222+2}{2} = \frac{333+333+3}{3} \\ &:= \frac{444+444+4}{4} = \frac{555+555+5}{5} = \frac{666+666+6}{6} \\ &:= \frac{777+777+7}{7} = \frac{888+888+8}{8} = \frac{999+999+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1223} &:= \frac{1111+111+1}{1} = \frac{2222+222+2}{2} = \frac{3333+333+3}{3} \\ &:= \frac{4444+444+4}{4} = \frac{5555+555+5}{5} = \frac{6666+666+6}{6} \\ &:= \frac{7777+777+7}{7} = \frac{8888+888+8}{8} = \frac{9999+999+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11223} &:= \frac{11111+111+1}{1} = \frac{22222+222+2}{2} = \frac{33333+333+3}{3} \\ &:= \frac{44444+444+4}{4} = \frac{55555+555+5}{5} = \frac{66666+666+6}{6} \\ &:= \frac{77777+777+7}{7} = \frac{88888+888+8}{8} = \frac{99999+999+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111223} &:= \frac{111111+111+1}{1} = \frac{222222+222+2}{2} = \frac{333333+333+3}{3} \\ &:= \frac{444444+444+4}{4} = \frac{555555+555+5}{5} = \frac{666666+666+6}{6} \\ &:= \frac{777777+777+7}{7} = \frac{888888+888+8}{8} = \frac{999999+999+9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{224} &:= \frac{111+111+1+1}{1} = \frac{222+222+2+2}{2} = \frac{333+333+3+3}{3} \\ &:= \frac{444+444+4+4}{4} = \frac{555+555+5+5}{5} = \frac{666+666+6+6}{6} \\ &:= \frac{777+777+7+7}{7} = \frac{888+888+8+8}{8} = \frac{999+999+9+9}{9} \end{aligned}$$

1224 := $\frac{1111+111+1+1}{1} = \frac{2222+222+2+2}{2} = \frac{3333+333+3+3}{3}$
:= $\frac{4444+444+4+4}{4} = \frac{5555+555+5+5}{5} = \frac{6666+666+6+6}{6}$
:= $\frac{7777+777+7+7}{7} = \frac{8888+888+8+8}{8} = \frac{9999+999+9+9}{9}$

11224 := $\frac{11111+111+1+1}{1} = \frac{22222+222+2+2}{2} = \frac{33333+333+3+3}{3}$
:= $\frac{44444+444+4+4}{4} = \frac{55555+555+5+5}{5} = \frac{66666+666+6+6}{6}$
:= $\frac{77777+777+7+7}{7} = \frac{88888+888+8+8}{8} = \frac{99999+999+9+9}{9}$

111224 := $\frac{111111+111+1+1}{1} = \frac{222222+222+2+2}{2} = \frac{333333+333+3+3}{3}$
:= $\frac{444444+444+4+4}{4} = \frac{555555+555+5+5}{5} = \frac{666666+666+6+6}{6}$
:= $\frac{777777+777+7+7}{7} = \frac{888888+888+8+8}{8} = \frac{999999+999+9+9}{9}$

► **225** := $\frac{111+111+1+1+1}{1} = \frac{222+222+2+2+2}{2} = \frac{333+333+3+3+3}{3}$
:= $\frac{444+444+4+4+4}{4} = \frac{555+555+5+5+5}{5} = \frac{666+666+6+6+6}{6}$
:= $\frac{777+777+7+7+7}{7} = \frac{888+888+8+8+8}{8} = \frac{999+999+9+9+9}{9}$

1225 := $\frac{1111+111+1+1+1}{1} = \frac{2222+222+2+2+2}{2} = \frac{3333+333+3+3+3}{3}$
:= $\frac{4444+444+4+4+4}{4} = \frac{5555+555+5+5+5}{5} = \frac{6666+666+6+6+6}{6}$
:= $\frac{7777+777+7+7+7}{7} = \frac{8888+888+8+8+8}{8} = \frac{9999+999+9+9+9}{9}$

11225 := $\frac{11111+111+1+1+1}{1} = \frac{22222+222+2+2+2}{2} = \frac{33333+333+3+3+3}{3}$
:= $\frac{44444+444+4+4+4}{4} = \frac{55555+555+5+5+5}{5} = \frac{66666+666+6+6+6}{6}$
:= $\frac{77777+777+7+7+7}{7} = \frac{88888+888+8+8+8}{8} = \frac{99999+999+9+9+9}{9}$

111225 := $\frac{111111+111+1+1+1}{1} = \frac{222222+222+2+2+2}{2} = \frac{333333+333+3+3+3}{3}$
:= $\frac{444444+444+4+4+4}{4} = \frac{555555+555+5+5+5}{5} = \frac{666666+666+6+6+6}{6}$
:= $\frac{777777+777+7+7+7}{7} = \frac{888888+888+8+8+8}{8} = \frac{999999+999+9+9+9}{9}$

►

226

$$\begin{aligned} &:= \frac{111+111+1+1+1+1}{1} = \frac{222+222+2+2+2+2}{2} = \frac{333+333+3+3+3+3}{3} \\ &:= \frac{444+444+4+4+4+4}{4} = \frac{555+555+5+5+5+5}{5} = \frac{666+666+6+6+6+6}{6} \\ &:= \frac{777+777+7+7+7+7}{7} = \frac{888+888+8+8+8+8}{8} = \frac{999+999+9+9+9+9}{9} \end{aligned}$$

1226

$$\begin{aligned} &:= \frac{1111+111+1+1+1+1}{1} = \frac{2222+222+2+2+2+2}{2} = \frac{3333+333+3+3+3+3}{3} \\ &:= \frac{4444+444+4+4+4+4}{4} = \frac{5555+555+5+5+5+5}{5} = \frac{6666+666+6+6+6+6}{6} \\ &:= \frac{7777+777+7+7+7+7}{7} = \frac{8888+888+8+8+8+8}{8} = \frac{9999+999+9+9+9+9}{9} \end{aligned}$$

11226

$$\begin{aligned} &:= \frac{11111+111+1+1+1+1}{1} = \frac{22222+222+2+2+2+2}{2} = \frac{33333+333+3+3+3+3}{3} \\ &:= \frac{44444+444+4+4+4+4}{4} = \frac{55555+555+5+5+5+5}{5} = \frac{66666+666+6+6+6+6}{6} \\ &:= \frac{77777+777+7+7+7+7}{7} = \frac{88888+888+8+8+8+8}{8} = \frac{99999+999+9+9+9+9}{9} \end{aligned}$$

111226

$$\begin{aligned} &:= \frac{111111+111+1+1+1+1}{1} = \frac{222222+222+2+2+2+2}{2} = \frac{333333+333+3+3+3+3}{3} \\ &:= \frac{444444+444+4+4+4+4}{4} = \frac{555555+555+5+5+5+5}{5} = \frac{666666+666+6+6+6+6}{6} \\ &:= \frac{777777+777+7+7+7+7}{7} = \frac{888888+888+8+8+8+8}{8} = \frac{999999+999+9+9+9+9}{9} \end{aligned}$$

►

227

$$\begin{aligned} &:= \frac{111+111+1+1+1+1+1}{1} = \frac{222+222+2+2+2+2+2}{2} = \frac{333+333+3+3+3+3+3}{3} \\ &:= \frac{444+444+4+4+4+4+4}{4} = \frac{555+555+5+5+5+5+5}{5} = \frac{666+666+6+6+6+6+6}{6} \\ &:= \frac{777+777+7+7+7+7+7}{7} = \frac{888+888+8+8+8+8+8}{8} = \frac{999+999+9+9+9+9+9}{9} \end{aligned}$$

1227

$$\begin{aligned} &:= \frac{1111+111+1+1+1+1+1}{1} = \frac{2222+222+2+2+2+2+2}{2} = \frac{3333+333+3+3+3+3+3}{3} \\ &:= \frac{4444+444+4+4+4+4+4}{4} = \frac{5555+555+5+5+5+5+5}{5} = \frac{6666+666+6+6+6+6+6}{6} \\ &:= \frac{7777+777+7+7+7+7+7}{7} = \frac{8888+888+8+8+8+8+8}{8} = \frac{9999+999+9+9+9+9+9}{9} \end{aligned}$$

11227

$$\begin{aligned} &:= \frac{11111+111+1+1+1+1+1}{1} = \frac{22222+222+2+2+2+2+2}{2} = \frac{33333+333+3+3+3+3+3}{3} \\ &:= \frac{44444+444+4+4+4+4+4}{4} = \frac{55555+555+5+5+5+5+5}{5} = \frac{66666+666+6+6+6+6+6}{6} \end{aligned}$$

$$:= \frac{77777 + 777 + 7 + 7 + 7 + 7 + 7}{7} = \frac{88888 + 888 + 8 + 8 + 8 + 8 + 8}{8} = \frac{99999 + 999 + 9 + 9 + 9 + 9 + 9}{9}$$

111227 := $\frac{111111 + 111 + 1 + 1 + 1 + 1 + 1}{1} = \frac{222222 + 222 + 2 + 2 + 2 + 2 + 2}{2} = \frac{333333 + 333 + 3 + 3 + 3 + 3 + 3}{3}$

$$:= \frac{444444 + 444 + 4 + 4 + 4 + 4 + 4}{4} = \frac{555555 + 555 + 5 + 5 + 5 + 5 + 5}{5} = \frac{666666 + 666 + 6 + 6 + 6 + 6 + 6}{6}$$
$$:= \frac{777777 + 777 + 7 + 7 + 7 + 7 + 7}{7} = \frac{888888 + 888 + 8 + 8 + 8 + 8 + 8}{8} = \frac{999999 + 999 + 9 + 9 + 9 + 9 + 9}{9}$$

► **228** := $\frac{111 + 111 + 11 - 1 - 1 - 1 - 1 - 1}{1} = \frac{222 + 222 + 22 - 2 - 2 - 2 - 2 - 2}{2} = \frac{333 + 333 + 33 - 3 - 3 - 3 - 3 - 3}{3}$

$$:= \frac{444 + 444 + 44 - 4 - 4 - 4 - 4 - 4}{4} = \frac{555 + 555 + 55 - 5 - 5 - 5 - 5 - 5}{5} = \frac{666 + 666 + 66 - 6 - 6 - 6 - 6 - 6}{6}$$
$$:= \frac{777 + 777 + 77 - 7 - 7 - 7 - 7 - 7}{7} = \frac{888 + 888 + 88 - 8 - 8 - 8 - 8 - 8}{8} = \frac{999 + 999 + 99 - 9 - 9 - 9 - 9 - 9}{9}$$

1228 := $\frac{1111 + 111 + 11 - 1 - 1 - 1 - 1 - 1}{1} = \frac{2222 + 222 + 22 - 2 - 2 - 2 - 2 - 2}{2} = \frac{3333 + 333 + 33 - 3 - 3 - 3 - 3 - 3}{3}$

$$:= \frac{4444 + 444 + 44 - 4 - 4 - 4 - 4 - 4}{4} = \frac{5555 + 555 + 55 - 5 - 5 - 5 - 5 - 5}{5} = \frac{6666 + 666 + 66 - 6 - 6 - 6 - 6 - 6}{6}$$
$$:= \frac{7777 + 777 + 77 - 7 - 7 - 7 - 7 - 7}{7} = \frac{8888 + 888 + 88 - 8 - 8 - 8 - 8 - 8}{8} = \frac{9999 + 999 + 99 - 9 - 9 - 9 - 9 - 9}{9}$$

11228 := $\frac{11111 + 111 + 11 - 1 - 1 - 1 - 1 - 1}{1} = \frac{22222 + 222 + 22 - 2 - 2 - 2 - 2 - 2}{2} = \frac{33333 + 333 + 33 - 3 - 3 - 3 - 3 - 3}{3}$

$$:= \frac{44444 + 444 + 44 - 4 - 4 - 4 - 4 - 4}{4} = \frac{55555 + 555 + 55 - 5 - 5 - 5 - 5 - 5}{5} = \frac{66666 + 666 + 66 - 6 - 6 - 6 - 6 - 6}{6}$$
$$:= \frac{77777 + 777 + 77 - 7 - 7 - 7 - 7 - 7}{7} = \frac{88888 + 888 + 88 - 8 - 8 - 8 - 8 - 8}{8} = \frac{99999 + 999 + 99 - 9 - 9 - 9 - 9 - 9}{9}$$

111228 := $\frac{111111 + 111 + 11 - 1 - 1 - 1 - 1 - 1}{1} = \frac{222222 + 222 + 22 - 2 - 2 - 2 - 2 - 2}{2} = \frac{333333 + 333 + 33 - 3 - 3 - 3 - 3 - 3}{3}$

$$:= \frac{444444 + 444 + 44 - 4 - 4 - 4 - 4 - 4}{4} = \frac{555555 + 555 + 55 - 5 - 5 - 5 - 5 - 5}{5} = \frac{666666 + 666 + 66 - 6 - 6 - 6 - 6 - 6}{6}$$
$$:= \frac{777777 + 777 + 77 - 7 - 7 - 7 - 7 - 7}{7} = \frac{888888 + 888 + 88 - 8 - 8 - 8 - 8 - 8}{8} = \frac{999999 + 999 + 99 - 9 - 9 - 9 - 9 - 9}{9}$$

► **229** := $\frac{111 + 111 + 11 - 1 - 1 - 1 - 1}{1} = \frac{222 + 222 + 22 - 2 - 2 - 2 - 2}{2} = \frac{333 + 333 + 33 - 3 - 3 - 3 - 3}{3}$

$$:= \frac{444 + 444 + 44 - 4 - 4 - 4 - 4}{4} = \frac{555 + 555 + 55 - 5 - 5 - 5 - 5}{5} = \frac{666 + 666 + 66 - 6 - 6 - 6 - 6}{6}$$
$$:= \frac{777 + 777 + 77 - 7 - 7 - 7 - 7}{7} = \frac{888 + 888 + 88 - 8 - 8 - 8 - 8}{8} = \frac{999 + 999 + 99 - 9 - 9 - 9 - 9}{9}$$

1229 := $\frac{1111 + 111 + 11 - 1 - 1 - 1 - 1}{1} = \frac{2222 + 222 + 22 - 2 - 2 - 2 - 2}{2} = \frac{3333 + 333 + 33 - 3 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{4444 + 444 + 44 - 4 - 4 - 4 - 4}{4} = \frac{5555 + 555 + 55 - 5 - 5 - 5 - 5}{5} = \frac{6666 + 666 + 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{7777 + 777 + 77 - 7 - 7 - 7 - 7}{7} = \frac{8888 + 888 + 88 - 8 - 8 - 8 - 8}{8} = \frac{9999 + 999 + 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11229} &:= \frac{11111 + 111 + 11 - 1 - 1 - 1 - 1}{1} = \frac{22222 + 222 + 22 - 2 - 2 - 2 - 2}{2} = \frac{33333 + 333 + 33 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{44444 + 444 + 44 - 4 - 4 - 4 - 4}{4} = \frac{55555 + 555 + 55 - 5 - 5 - 5 - 5}{5} = \frac{66666 + 666 + 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{77777 + 777 + 77 - 7 - 7 - 7 - 7}{7} = \frac{88888 + 888 + 88 - 8 - 8 - 8 - 8}{8} = \frac{99999 + 999 + 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111229} &:= \frac{111111 + 111 + 11 - 1 - 1 - 1 - 1}{1} = \frac{222222 + 222 + 22 - 2 - 2 - 2 - 2}{2} = \frac{333333 + 333 + 33 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{444444 + 444 + 44 - 4 - 4 - 4 - 4}{4} = \frac{555555 + 555 + 55 - 5 - 5 - 5 - 5}{5} = \frac{666666 + 666 + 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{777777 + 777 + 77 - 7 - 7 - 7 - 7}{7} = \frac{888888 + 888 + 88 - 8 - 8 - 8 - 8}{8} = \frac{999999 + 999 + 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{230} &:= \frac{11 + 111 + 111 - 1 - 1 - 1}{1} = \frac{22 + 222 + 222 - 2 - 2 - 2}{2} = \frac{33 + 333 + 333 - 3 - 3 - 3}{3} \\ &:= \frac{44 + 444 + 444 - 4 - 4 - 4}{4} = \frac{55 + 555 + 555 - 5 - 5 - 5}{5} = \frac{66 + 666 + 666 - 6 - 6 - 6}{6} \\ &:= \frac{77 + 777 + 777 - 7 - 7 - 7}{7} = \frac{88 + 888 + 888 - 8 - 8 - 8}{8} = \frac{99 + 999 + 999 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1230} &:= \frac{11 + 111 + 1111 - 1 - 1 - 1}{1} = \frac{22 + 222 + 2222 - 2 - 2 - 2}{2} = \frac{33 + 333 + 3333 - 3 - 3 - 3}{3} \\ &:= \frac{44 + 444 + 4444 - 4 - 4 - 4}{4} = \frac{55 + 555 + 5555 - 5 - 5 - 5}{5} = \frac{66 + 666 + 6666 - 6 - 6 - 6}{6} \\ &:= \frac{77 + 777 + 7777 - 7 - 7 - 7}{7} = \frac{88 + 888 + 8888 - 8 - 8 - 8}{8} = \frac{99 + 999 + 9999 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11230} &:= \frac{11 + 111 + 11111 - 1 - 1 - 1}{1} = \frac{22 + 222 + 22222 - 2 - 2 - 2}{2} = \frac{33 + 333 + 33333 - 3 - 3 - 3}{3} \\ &:= \frac{44 + 444 + 44444 - 4 - 4 - 4}{4} = \frac{55 + 555 + 55555 - 5 - 5 - 5}{5} = \frac{66 + 666 + 66666 - 6 - 6 - 6}{6} \\ &:= \frac{77 + 777 + 77777 - 7 - 7 - 7}{7} = \frac{88 + 888 + 88888 - 8 - 8 - 8}{8} = \frac{99 + 999 + 99999 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111230} &:= \frac{11 + 111 + 111111 - 1 - 1 - 1}{1} = \frac{22 + 222 + 222222 - 2 - 2 - 2}{2} = \frac{33 + 333 + 333333 - 3 - 3 - 3}{3} \\ &:= \frac{44 + 444 + 444444 - 4 - 4 - 4}{4} = \frac{55 + 555 + 555555 - 5 - 5 - 5}{5} = \frac{66 + 666 + 666666 - 6 - 6 - 6}{6} \\ &:= \frac{77 + 777 + 777777 - 7 - 7 - 7}{7} = \frac{88 + 888 + 888888 - 8 - 8 - 8}{8} = \frac{99 + 999 + 999999 - 9 - 9 - 9}{9} \end{aligned}$$

►

231

$$:= \frac{111 + 111 + 11 - 1 - 1}{1} = \frac{222 + 222 + 22 - 2 - 2}{2} = \frac{333 + 333 + 33 - 3 - 3}{3}$$

$$:= \frac{444 + 444 + 44 - 4 - 4}{4} = \frac{555 + 555 + 55 - 5 - 5}{5} = \frac{666 + 666 + 66 - 6 - 6}{6}$$

$$:= \frac{777 + 777 + 77 - 7 - 7}{7} = \frac{888 + 888 + 88 - 8 - 8}{8} = \frac{999 + 999 + 99 - 9 - 9}{9}$$

1231

$$:= \frac{1111 + 111 + 11 - 1 - 1}{1} = \frac{2222 + 222 + 22 - 2 - 2}{2} = \frac{3333 + 333 + 33 - 3 - 3}{3}$$

$$:= \frac{4444 + 444 + 44 - 4 - 4}{4} = \frac{5555 + 555 + 55 - 5 - 5}{5} = \frac{6666 + 666 + 66 - 6 - 6}{6}$$

$$:= \frac{7777 + 777 + 77 - 7 - 7}{7} = \frac{8888 + 888 + 88 - 8 - 8}{8} = \frac{9999 + 999 + 99 - 9 - 9}{9}$$

11231

$$:= \frac{11111 + 111 + 11 - 1 - 1}{1} = \frac{22222 + 222 + 22 - 2 - 2}{2} = \frac{33333 + 333 + 33 - 3 - 3}{3}$$

$$:= \frac{44444 + 444 + 44 - 4 - 4}{4} = \frac{55555 + 555 + 55 - 5 - 5}{5} = \frac{66666 + 666 + 66 - 6 - 6}{6}$$

$$:= \frac{77777 + 777 + 77 - 7 - 7}{7} = \frac{88888 + 888 + 88 - 8 - 8}{8} = \frac{99999 + 999 + 99 - 9 - 9}{9}$$

111231

$$:= \frac{11111 + 111 + 11 - 1 - 1}{1} = \frac{22222 + 222 + 22 - 2 - 2}{2} = \frac{33333 + 333 + 33 - 3 - 3}{3}$$

$$:= \frac{44444 + 444 + 44 - 4 - 4}{4} = \frac{55555 + 555 + 55 - 5 - 5}{5} = \frac{66666 + 666 + 66 - 6 - 6}{6}$$

$$:= \frac{77777 + 777 + 77 - 7 - 7}{7} = \frac{88888 + 888 + 88 - 8 - 8}{8} = \frac{99999 + 999 + 99 - 9 - 9}{9}$$

►

232

$$:= \frac{111 + 111 + 11 - 1}{1} = \frac{222 + 222 + 22 - 2}{2} = \frac{333 + 333 + 33 - 3}{3}$$

$$:= \frac{444 + 444 + 44 - 4}{4} = \frac{555 + 555 + 55 - 5}{5} = \frac{666 + 666 + 66 - 6}{6}$$

$$:= \frac{777 + 777 + 77 - 7}{7} = \frac{888 + 888 + 88 - 8}{8} = \frac{999 + 999 + 99 - 9}{9}$$

1232

$$:= \frac{1111 + 111 + 11 - 1}{1} = \frac{2222 + 222 + 22 - 2}{2} = \frac{3333 + 333 + 33 - 3}{3}$$

$$:= \frac{4444 + 444 + 44 - 4}{4} = \frac{5555 + 555 + 55 - 5}{5} = \frac{6666 + 666 + 66 - 6}{6}$$

$$:= \frac{7777 + 777 + 77 - 7}{7} = \frac{8888 + 888 + 88 - 8}{8} = \frac{9999 + 999 + 99 - 9}{9}$$

11232

$$:= \frac{11111 + 111 + 11 - 1}{1} = \frac{22222 + 222 + 22 - 2}{2} = \frac{33333 + 333 + 33 - 3}{3}$$

$$:= \frac{44444 + 444 + 44 - 4}{4} = \frac{55555 + 555 + 55 - 5}{5} = \frac{66666 + 666 + 66 - 6}{6}$$

$$:= \frac{77777 + 777 + 77 - 7}{7} = \frac{88888 + 888 + 88 - 8}{8} = \frac{99999 + 999 + 99 - 9}{9}$$

111232

:=
$$\frac{11111+111+11-1}{1} = \frac{22222+222+22-2}{2} = \frac{33333+333+33-3}{3}$$
:=
$$\frac{44444+444+44-4}{4} = \frac{55555+555+55-5}{5} = \frac{66666+666+66-6}{6}$$
:=
$$\frac{77777+777+77-7}{7} = \frac{88888+888+88-8}{8} = \frac{99999+999+99-9}{9}$$

► 233

:=
$$\frac{111+111+11}{1} = \frac{222+222+22}{2} = \frac{333+333+33}{3}$$
:=
$$\frac{444+444+44}{4} = \frac{555+555+55}{5} = \frac{666+666+66}{6}$$
:=
$$\frac{777+777+77}{7} = \frac{888+888+88}{8} = \frac{999+999+99}{9}$$

1233

:=
$$\frac{1111+111+11}{1} = \frac{2222+222+22}{2} = \frac{3333+333+33}{3}$$
:=
$$\frac{4444+444+44}{4} = \frac{5555+555+55}{5} = \frac{6666+666+66}{6}$$
:=
$$\frac{7777+777+77}{7} = \frac{8888+888+88}{8} = \frac{9999+999+99}{9}$$

11233

:=
$$\frac{11111+111+11}{1} = \frac{22222+222+22}{2} = \frac{33333+333+33}{3}$$
:=
$$\frac{44444+444+44}{4} = \frac{55555+555+55}{5} = \frac{66666+666+66}{6}$$
:=
$$\frac{77777+777+77}{7} = \frac{88888+888+88}{8} = \frac{99999+999+99}{9}$$

111233

:=
$$\frac{111111+111+11}{1} = \frac{222222+222+22}{2} = \frac{333333+333+33}{3}$$
:=
$$\frac{444444+444+44}{4} = \frac{555555+555+55}{5} = \frac{666666+666+66}{6}$$
:=
$$\frac{777777+777+77}{7} = \frac{888888+888+88}{8} = \frac{999999+999+99}{9}$$

► 234

:=
$$\frac{111+111+11+1}{1} = \frac{222+222+22+2}{2} = \frac{333+333+33+3}{3}$$
:=
$$\frac{444+444+44+4}{4} = \frac{555+555+55+5}{5} = \frac{666+666+66+6}{6}$$
:=
$$\frac{777+777+77+7}{7} = \frac{888+888+88+8}{8} = \frac{999+999+99+9}{9}$$

1234

:=
$$\frac{1111+111+11+1}{1} = \frac{2222+222+22+2}{2} = \frac{3333+333+33+3}{3}$$
:=
$$\frac{4444+444+44+4}{4} = \frac{5555+555+55+5}{5} = \frac{6666+666+66+6}{6}$$

$$:= \frac{7777 + 777 + 77 + 7}{7} = \frac{8888 + 888 + 88 + 8}{8} = \frac{9999 + 999 + 99 + 9}{9}$$

$$\begin{aligned} \textcolor{red}{11234} &:= \frac{11111 + 111 + 11 + 1}{1} = \frac{22222 + 222 + 22 + 2}{2} = \frac{33333 + 333 + 33 + 3}{3} \\ &:= \frac{44444 + 444 + 44 + 4}{4} = \frac{55555 + 555 + 55 + 5}{5} = \frac{66666 + 666 + 66 + 6}{6} \\ &:= \frac{77777 + 777 + 77 + 7}{7} = \frac{88888 + 888 + 88 + 8}{8} = \frac{99999 + 999 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111234} &:= \frac{111111 + 111 + 11 + 1}{1} = \frac{222222 + 222 + 22 + 2}{2} = \frac{333333 + 333 + 33 + 3}{3} \\ &:= \frac{444444 + 444 + 44 + 4}{4} = \frac{555555 + 555 + 55 + 5}{5} = \frac{666666 + 666 + 66 + 6}{6} \\ &:= \frac{777777 + 777 + 77 + 7}{7} = \frac{888888 + 888 + 88 + 8}{8} = \frac{999999 + 999 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{235} &:= \frac{111 + 111 + 11 + 1 + 1}{1} = \frac{222 + 222 + 22 + 2 + 2}{2} = \frac{333 + 333 + 33 + 3 + 3}{3} \\ &:= \frac{444 + 444 + 44 + 4 + 4}{4} = \frac{555 + 555 + 55 + 5 + 5}{5} = \frac{666 + 666 + 66 + 6 + 6}{6} \\ &:= \frac{777 + 777 + 77 + 7 + 7}{7} = \frac{888 + 888 + 88 + 8 + 8}{8} = \frac{999 + 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1235} &:= \frac{1111 + 111 + 11 + 1 + 1}{1} = \frac{2222 + 222 + 22 + 2 + 2}{2} = \frac{3333 + 333 + 33 + 3 + 3}{3} \\ &:= \frac{4444 + 444 + 44 + 4 + 4}{4} = \frac{5555 + 555 + 55 + 5 + 5}{5} = \frac{6666 + 666 + 66 + 6 + 6}{6} \\ &:= \frac{7777 + 777 + 77 + 7 + 7}{7} = \frac{8888 + 888 + 88 + 8 + 8}{8} = \frac{9999 + 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11235} &:= \frac{11111 + 111 + 11 + 1 + 1}{1} = \frac{22222 + 222 + 22 + 2 + 2}{2} = \frac{33333 + 333 + 33 + 3 + 3}{3} \\ &:= \frac{44444 + 444 + 44 + 4 + 4}{4} = \frac{55555 + 555 + 55 + 5 + 5}{5} = \frac{66666 + 666 + 66 + 6 + 6}{6} \\ &:= \frac{77777 + 777 + 77 + 7 + 7}{7} = \frac{88888 + 888 + 88 + 8 + 8}{8} = \frac{99999 + 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111235} &:= \frac{111111 + 111 + 11 + 1 + 1}{1} = \frac{222222 + 222 + 22 + 2 + 2}{2} = \frac{333333 + 333 + 33 + 3 + 3}{3} \\ &:= \frac{444444 + 444 + 44 + 4 + 4}{4} = \frac{555555 + 555 + 55 + 5 + 5}{5} = \frac{666666 + 666 + 66 + 6 + 6}{6} \\ &:= \frac{777777 + 777 + 77 + 7 + 7}{7} = \frac{888888 + 888 + 88 + 8 + 8}{8} = \frac{999999 + 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{236} := \frac{111 + 111 + 11 + 1 + 1 + 1}{1} = \frac{222 + 222 + 22 + 2 + 2 + 2}{2} = \frac{333 + 333 + 33 + 3 + 3 + 3}{3}$$

$$\begin{aligned} &:= \frac{444+444+44+4+4+4}{4} = \frac{555+555+55+5+5+5}{5} = \frac{666+666+66+6+6+6}{6} \\ &:= \frac{777+777+77+7+7+7}{7} = \frac{888+888+88+8+8+8}{8} = \frac{999+999+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1236} &:= \frac{1111+111+11+1+1+1}{1} = \frac{2222+222+22+2+2+2}{2} = \frac{3333+333+33+3+3+3}{3} \\ &:= \frac{4444+444+44+4+4+4}{4} = \frac{5555+555+55+5+5+5}{5} = \frac{6666+666+66+6+6+6}{6} \\ &:= \frac{7777+777+77+7+7+7}{7} = \frac{8888+888+88+8+8+8}{8} = \frac{9999+999+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11236} &:= \frac{11111+111+11+1+1+1}{1} = \frac{22222+222+22+2+2+2}{2} = \frac{33333+333+33+3+3+3}{3} \\ &:= \frac{44444+444+44+4+4+4}{4} = \frac{55555+555+55+5+5+5}{5} = \frac{66666+666+66+6+6+6}{6} \\ &:= \frac{77777+777+77+7+7+7}{7} = \frac{88888+888+88+8+8+8}{8} = \frac{99999+999+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111236} &:= \frac{111111+111+11+1+1+1}{1} = \frac{222222+222+22+2+2+2}{2} = \frac{333333+333+33+3+3+3}{3} \\ &:= \frac{444444+444+44+4+4+4}{4} = \frac{555555+555+55+5+5+5}{5} = \frac{666666+666+66+6+6+6}{6} \\ &:= \frac{777777+777+77+7+7+7}{7} = \frac{888888+888+88+8+8+8}{8} = \frac{999999+999+99+9+9+9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{237} &:= \frac{111+111+11+1+1+1+1}{1} = \frac{222+222+22+2+2+2+2}{2} = \frac{333+333+33+3+3+3+3}{3} \\ &:= \frac{444+444+44+4+4+4+4}{4} = \frac{555+555+55+5+5+5+5}{5} = \frac{666+666+66+6+6+6+6}{6} \\ &:= \frac{777+777+77+7+7+7+7}{7} = \frac{888+888+88+8+8+8+8}{8} = \frac{999+999+99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1237} &:= \frac{1111+111+11+1+1+1+1}{1} = \frac{2222+222+22+2+2+2+2}{2} = \frac{3333+333+33+3+3+3+3}{3} \\ &:= \frac{4444+444+44+4+4+4+4}{4} = \frac{5555+555+55+5+5+5+5}{5} = \frac{6666+666+66+6+6+6+6}{6} \\ &:= \frac{7777+777+77+7+7+7+7}{7} = \frac{8888+888+88+8+8+8+8}{8} = \frac{9999+999+99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11237} &:= \frac{11111+111+11+1+1+1+1}{1} = \frac{22222+222+22+2+2+2+2}{2} = \frac{33333+333+33+3+3+3+3}{3} \\ &:= \frac{44444+444+44+4+4+4+4}{4} = \frac{55555+555+55+5+5+5+5}{5} = \frac{66666+666+66+6+6+6+6}{6} \\ &:= \frac{77777+777+77+7+7+7+7}{7} = \frac{88888+888+88+8+8+8+8}{8} = \frac{99999+999+99+9+9+9+9}{9} \end{aligned}$$

111237

$$\begin{aligned} &:= \frac{111111 + 111 + 11 + 1 + 1 + 1 + 1}{1} = \frac{222222 + 222 + 22 + 2 + 2 + 2 + 2}{2} = \frac{333333 + 333 + 33 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{444444 + 444 + 44 + 4 + 4 + 4 + 4}{4} = \frac{555555 + 555 + 55 + 5 + 5 + 5 + 5}{5} = \frac{666666 + 666 + 66 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{777777 + 777 + 77 + 7 + 7 + 7 + 7}{7} = \frac{888888 + 888 + 88 + 8 + 8 + 8 + 8}{8} = \frac{999999 + 999 + 99 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

► 238

$$\begin{aligned} &:= \frac{(11 + 11) \times 11 - 1 \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22) \times 22 - 2 \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33) \times 33 - 3 \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 - 4 \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55) \times 55 - 5 \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66) \times 66 - 6 \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 - 7 \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88) \times 88 - 8 \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99) \times 99 - 9 \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

2438

$$\begin{aligned} &:= \frac{(11 + 11) \times 111 - 1 \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22) \times 222 - 2 \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33) \times 333 - 3 \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44) \times 444 - 4 \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55) \times 555 - 5 \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66) \times 666 - 6 \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77) \times 777 - 7 \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88) \times 888 - 8 \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99) \times 999 - 9 \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

24438

$$\begin{aligned} &:= \frac{(11 + 11) \times 1111 - 1 \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22) \times 2222 - 2 \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33) \times 3333 - 3 \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44) \times 4444 - 4 \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55) \times 5555 - 5 \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66) \times 6666 - 6 \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77) \times 7777 - 7 \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88) \times 8888 - 8 \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99) \times 9999 - 9 \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

244438

$$\begin{aligned} &:= \frac{(11 + 11) \times 11111 - 1 \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22) \times 22222 - 2 \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33) \times 33333 - 3 \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44444 - 4 \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55) \times 55555 - 5 \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66) \times 66666 - 6 \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77777 - 7 \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88) \times 88888 - 8 \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99) \times 99999 - 9 \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

► 239

$$\begin{aligned} &:= \frac{(11 + 11) \times 11 - 1 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22) \times 22 - 2 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33) \times 33 - 3 \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 - 4 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55) \times 55 - 5 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66) \times 66 - 6 \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 - 7 \times (7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88) \times 88 - 8 \times (8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99) \times 99 - 9 \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

2439

$$\begin{aligned} &:= \frac{(11 + 11) \times 111 - 1 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22) \times 222 - 2 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33) \times 333 - 3 \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44) \times 444 - 4 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55) \times 555 - 5 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66) \times 666 - 6 \times (6 + 6 + 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(77+77) \times 777 - 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88) \times 888 - 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99) \times 999 - 9 \times (9+9+9)}{9 \times 9}$$

24439 := $\frac{(11+11) \times 1111 - 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22) \times 2222 - 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33) \times 3333 - 3 \times (3+3+3)}{3 \times 3}$

$$:= \frac{(44+44) \times 4444 - 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55) \times 5555 - 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66) \times 6666 - 6 \times (6+6+6)}{6 \times 6}$$
$$:= \frac{(77+77) \times 7777 - 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88) \times 8888 - 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99) \times 9999 - 9 \times (9+9+9)}{9 \times 9}$$

244439 := $\frac{(11+11) \times 11111 - 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22) \times 22222 - 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33) \times 33333 - 3 \times (3+3+3)}{3 \times 3}$

$$:= \frac{(44+44) \times 44444 - 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55) \times 55555 - 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66) \times 66666 - 6 \times (6+6+6)}{6 \times 6}$$
$$:= \frac{(77+77) \times 77777 - 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88) \times 88888 - 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99) \times 99999 - 9 \times (9+9+9)}{9 \times 9}$$

► **240** := $\frac{(11+11) \times 11 - 1 \times (1+1)}{1 \times 1} = \frac{(22+22) \times 22 - 2 \times (2+2)}{2 \times 2} = \frac{(33+33) \times 33 - 3 \times (3+3)}{3 \times 3}$

$$:= \frac{(44+44) \times 44 - 4 \times (4+4)}{4 \times 4} = \frac{(55+55) \times 55 - 5 \times (5+5)}{5 \times 5} = \frac{(66+66) \times 66 - 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77) \times 77 - 7 \times (7+7)}{7 \times 7} = \frac{(88+88) \times 88 - 8 \times (8+8)}{8 \times 8} = \frac{(99+99) \times 99 - 9 \times (9+9)}{9 \times 9}$$

2440 := $\frac{(11+11) \times 111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+22) \times 222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+33) \times 333 - 3 \times (3+3)}{3 \times 3}$

$$:= \frac{(44+44) \times 444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+55) \times 555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+66) \times 666 - 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77) \times 777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+88) \times 888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+99) \times 999 - 9 \times (9+9)}{9 \times 9}$$

24440 := $\frac{(11+11) \times 1111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+22) \times 2222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+33) \times 3333 - 3 \times (3+3)}{3 \times 3}$

$$:= \frac{(44+44) \times 4444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+55) \times 5555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+66) \times 6666 - 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77) \times 7777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+88) \times 8888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+99) \times 9999 - 9 \times (9+9)}{9 \times 9}$$

244440 := $\frac{(11+11) \times 11111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+22) \times 22222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+33) \times 33333 - 3 \times (3+3)}{3 \times 3}$

$$:= \frac{(44+44) \times 44444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+55) \times 55555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+66) \times 66666 - 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77) \times 77777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+88) \times 88888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+99) \times 99999 - 9 \times (9+9)}{9 \times 9}$$

► **241** := $\frac{(11+11) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22+22) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33+33) \times 33 - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44+44) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55+55) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66+66) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88+88) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99+99) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2441} &:= \frac{(11+11) \times 111 - 1 \times 1}{1 \times 1} = \frac{(22+22) \times 222 - 2 \times 2}{2 \times 2} = \frac{(33+33) \times 333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 444 - 4 \times 4}{4 \times 4} = \frac{(55+55) \times 555 - 5 \times 5}{5 \times 5} = \frac{(66+66) \times 666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 777 - 7 \times 7}{7 \times 7} = \frac{(88+88) \times 888 - 8 \times 8}{8 \times 8} = \frac{(99+99) \times 999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{24441} &:= \frac{(11+11) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(22+22) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(33+33) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(55+55) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(66+66) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(88+88) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(99+99) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{244441} &:= \frac{(11+11) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(22+22) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(33+33) \times 33333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(55+55) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(66+66) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(88+88) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(99+99) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{242} &:= \frac{(11+11) \times 11}{1 \times 1} = \frac{(22+22) \times 22}{2 \times 2} = \frac{(33+33) \times 33}{3 \times 3} \\ &:= \frac{(44+44) \times 44}{4 \times 4} = \frac{(55+55) \times 55}{5 \times 5} = \frac{(66+66) \times 66}{6 \times 6} \\ &:= \frac{(77+77) \times 77}{7 \times 7} = \frac{(88+88) \times 88}{8 \times 8} = \frac{(99+99) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2442} &:= \frac{(11+11) \times 111}{1 \times 1} = \frac{(22+22) \times 222}{2 \times 2} = \frac{(33+33) \times 333}{3 \times 3} \\ &:= \frac{(44+44) \times 444}{4 \times 4} = \frac{(55+55) \times 555}{5 \times 5} = \frac{(66+66) \times 666}{6 \times 6} \\ &:= \frac{(77+77) \times 777}{7 \times 7} = \frac{(88+88) \times 888}{8 \times 8} = \frac{(99+99) \times 999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{24442} &:= \frac{(11+11) \times 1111}{1 \times 1} = \frac{(22+22) \times 2222}{2 \times 2} = \frac{(33+33) \times 3333}{3 \times 3} \\ &:= \frac{(44+44) \times 4444}{4 \times 4} = \frac{(55+55) \times 5555}{5 \times 5} = \frac{(66+66) \times 6666}{6 \times 6} \\ &:= \frac{(77+77) \times 7777}{7 \times 7} = \frac{(88+88) \times 8888}{8 \times 8} = \frac{(99+99) \times 9999}{9 \times 9} \end{aligned}$$

244442

$$\begin{aligned} &:= \frac{(11+11) \times 11111}{1 \times 1} = \frac{(22+22) \times 22222}{2 \times 2} = \frac{(33+33) \times 33333}{3 \times 3} \\ &:= \frac{(44+44) \times 44444}{4 \times 4} = \frac{(55+55) \times 55555}{5 \times 5} = \frac{(66+66) \times 66666}{6 \times 6} \\ &:= \frac{(77+77) \times 77777}{7 \times 7} = \frac{(88+88) \times 88888}{8 \times 8} = \frac{(99+99) \times 99999}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(11+11) \times 11 + 1 \times 1}{1 \times 1} = \frac{(22+22) \times 22 + 2 \times 2}{2 \times 2} = \frac{(33+33) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 44 + 4 \times 4}{4 \times 4} = \frac{(55+55) \times 55 + 5 \times 5}{5 \times 5} = \frac{(66+66) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 77 + 7 \times 7}{7 \times 7} = \frac{(88+88) \times 88 + 8 \times 8}{8 \times 8} = \frac{(99+99) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

2443

$$\begin{aligned} &:= \frac{(11+11) \times 111 + 1 \times 1}{1 \times 1} = \frac{(22+22) \times 222 + 2 \times 2}{2 \times 2} = \frac{(33+33) \times 333 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 444 + 4 \times 4}{4 \times 4} = \frac{(55+55) \times 555 + 5 \times 5}{5 \times 5} = \frac{(66+66) \times 666 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 777 + 7 \times 7}{7 \times 7} = \frac{(88+88) \times 888 + 8 \times 8}{8 \times 8} = \frac{(99+99) \times 999 + 9 \times 9}{9 \times 9} \end{aligned}$$

24443

$$\begin{aligned} &:= \frac{(11+11) \times 1111 + 1 \times 1}{1 \times 1} = \frac{(22+22) \times 2222 + 2 \times 2}{2 \times 2} = \frac{(33+33) \times 3333 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 4444 + 4 \times 4}{4 \times 4} = \frac{(55+55) \times 5555 + 5 \times 5}{5 \times 5} = \frac{(66+66) \times 6666 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 7777 + 7 \times 7}{7 \times 7} = \frac{(88+88) \times 8888 + 8 \times 8}{8 \times 8} = \frac{(99+99) \times 9999 + 9 \times 9}{9 \times 9} \end{aligned}$$

244443

$$\begin{aligned} &:= \frac{(11+11) \times 11111 + 1 \times 1}{1 \times 1} = \frac{(22+22) \times 22222 + 2 \times 2}{2 \times 2} = \frac{(33+33) \times 33333 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 44444 + 4 \times 4}{4 \times 4} = \frac{(55+55) \times 55555 + 5 \times 5}{5 \times 5} = \frac{(66+66) \times 66666 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 77777 + 7 \times 7}{7 \times 7} = \frac{(88+88) \times 88888 + 8 \times 8}{8 \times 8} = \frac{(99+99) \times 99999 + 9 \times 9}{9 \times 9} \end{aligned}$$

2444443

$$\begin{aligned} &:= \frac{(11+11) \times 111111 + 1 \times 1}{1 \times 1} = \frac{(22+22) \times 222222 + 2 \times 2}{2 \times 2} = \frac{(33+33) \times 333333 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 444444 + 4 \times 4}{4 \times 4} = \frac{(55+55) \times 555555 + 5 \times 5}{5 \times 5} = \frac{(66+66) \times 666666 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 777777 + 7 \times 7}{7 \times 7} = \frac{(88+88) \times 888888 + 8 \times 8}{8 \times 8} = \frac{(99+99) \times 999999 + 9 \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(111+11) \times (1+1)}{1 \times 1} = \frac{(222+22) \times (2+2)}{2 \times 2} = \frac{(333+33) \times (3+3)}{3 \times 3} \\ &:= \frac{(444+44) \times (4+4)}{4 \times 4} = \frac{(555+55) \times (5+5)}{5 \times 5} = \frac{(666+66) \times (6+6)}{6 \times 6} \\ &:= \frac{(777+77) \times (7+7)}{7 \times 7} = \frac{(888+88) \times (8+8)}{8 \times 8} = \frac{(999+99) \times (9+9)}{9 \times 9} \end{aligned}$$

2244

$$\begin{aligned} &:= \frac{(1111+11) \times (1+1)}{1 \times 1} = \frac{(2222+22) \times (2+2)}{2 \times 2} = \frac{(3333+33) \times (3+3)}{3 \times 3} \\ &:= \frac{(4444+44) \times (4+4)}{4 \times 4} = \frac{(5555+55) \times (5+5)}{5 \times 5} = \frac{(6666+66) \times (6+6)}{6 \times 6} \end{aligned}$$

135

$$:= \frac{(7777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99) \times (9 + 9)}{9 \times 9}$$

$$\begin{aligned} \mathbf{22244} &:= \frac{(11111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222244} &:= \frac{(111111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{245} &:= \frac{(111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2245} &:= \frac{(1111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22245} &:= \frac{(11111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222245} &:= \frac{(111111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{246} := \frac{(111 + 1) \times (1 + 1) + ((1 + 1) \times 11)}{1 \times 1} = \frac{(222 + 2) \times (2 + 2) + ((2 + 2) \times 22)}{2 \times 2} = \frac{(333 + 3) \times (3 + 3) + ((3 + 3) \times 33)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444+4) \times (4+4)) + ((4+4) \times 44}{4 \times 4} = \frac{(555+5) \times (5+5)) + ((5+5) \times 55}{5 \times 5} = \frac{(666+6) \times (6+6)) + ((6+6) \times 66}{6 \times 6} \\ &:= \frac{(777+7) \times (7+7)) + ((7+7) \times 77}{7 \times 7} = \frac{(888+8) \times (8+8)) + ((8+8) \times 88}{8 \times 8} = \frac{(999+9) \times (9+9)) + ((9+9) \times 99}{9 \times 9} \end{aligned}$$

2246

$$\begin{aligned} &:= \frac{(1111+1) \times (1+1)) + ((1+1) \times 11}{1 \times 1} = \frac{(2222+2) \times (2+2)) + ((2+2) \times 22}{2 \times 2} = \frac{(3333+3) \times (3+3)) + ((3+3) \times 33}{3 \times 3} \\ &:= \frac{(4444+4) \times (4+4)) + ((4+4) \times 44}{4 \times 4} = \frac{(5555+5) \times (5+5)) + ((5+5) \times 55}{5 \times 5} = \frac{(6666+6) \times (6+6)) + ((6+6) \times 66}{6 \times 6} \\ &:= \frac{(7777+7) \times (7+7)) + ((7+7) \times 77}{7 \times 7} = \frac{(8888+8) \times (8+8)) + ((8+8) \times 88}{8 \times 8} = \frac{(9999+9) \times (9+9)) + ((9+9) \times 99}{9 \times 9} \end{aligned}$$

22246

$$\begin{aligned} &:= \frac{(11111+1) \times (1+1)) + ((1+1) \times 11}{1 \times 1} = \frac{(22222+2) \times (2+2)) + ((2+2) \times 22}{2 \times 2} = \frac{(33333+3) \times (3+3)) + ((3+3) \times 33}{3 \times 3} \\ &:= \frac{(44444+4) \times (4+4)) + ((4+4) \times 44}{4 \times 4} = \frac{(55555+5) \times (5+5)) + ((5+5) \times 55}{5 \times 5} = \frac{(66666+6) \times (6+6)) + ((6+6) \times 66}{6 \times 6} \\ &:= \frac{(77777+7) \times (7+7)) + ((7+7) \times 77}{7 \times 7} = \frac{(88888+8) \times (8+8)) + ((8+8) \times 88}{8 \times 8} = \frac{(99999+9) \times (9+9)) + ((9+9) \times 99}{9 \times 9} \end{aligned}$$

222246

$$\begin{aligned} &:= \frac{(111111+1) \times (1+1)) + ((1+1) \times 11}{1 \times 1} = \frac{(222222+2) \times (2+2)) + ((2+2) \times 22}{2 \times 2} = \frac{(333333+3) \times (3+3)) + ((3+3) \times 33}{3 \times 3} \\ &:= \frac{(444444+4) \times (4+4)) + ((4+4) \times 44}{4 \times 4} = \frac{(555555+5) \times (5+5)) + ((5+5) \times 55}{5 \times 5} = \frac{(666666+6) \times (6+6)) + ((6+6) \times 66}{6 \times 6} \\ &:= \frac{(777777+7) \times (7+7)) + ((7+7) \times 77}{7 \times 7} = \frac{(888888+8) \times (8+8)) + ((8+8) \times 88}{8 \times 8} = \frac{(999999+9) \times (9+9)) + ((9+9) \times 99}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(111+11+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(222+22+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(333+33+3) \times (3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444+44+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(555+55+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(666+66+6) \times (6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777+77+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(888+88+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(999+99+9) \times (9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

2247

$$\begin{aligned} &:= \frac{(1111+11+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(2222+22+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(3333+33+3) \times (3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+44+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(5555+55+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(6666+66+6) \times (6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+77+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(8888+88+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(9999+99+9) \times (9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

22247

$$\begin{aligned} &:= \frac{(11111+11+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(22222+22+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(33333+33+3) \times (3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+44+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(55555+55+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(66666+66+6) \times (6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+77+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(88888+88+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(99999+99+9) \times (9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

222247

$$\begin{aligned} &:= \frac{(111111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

2248

$$\begin{aligned} &:= \frac{(1111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

22248

$$\begin{aligned} &:= \frac{(11111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

222248

$$\begin{aligned} &:= \frac{(111111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

249

$$\begin{aligned} &:= \frac{(111 + 11 + 1 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 22 + 2 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 33 + 3 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 44 + 4 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 55 + 5 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 66 + 6 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 88 + 8 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 99 + 9 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

2249

$$\begin{aligned} &:= \frac{(1111 + 11 + 1 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 22 + 2 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 33 + 3 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 44 + 4 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 55 + 5 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 66 + 6 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 77 + 7 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 88 + 8 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 99 + 9 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{22249} &:= \frac{(11111 + 11 + 1 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 22 + 2 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 33 + 3 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44 + 4 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 55 + 5 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 66 + 6 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77 + 7 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 88 + 8 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 99 + 9 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222249} &:= \frac{(111111 + 11 + 1 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 22 + 2 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 33 + 3 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 44 + 4 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 55 + 5 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 66 + 6 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 77 + 7 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 88 + 8 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 99 + 9 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{250} &:= \frac{1111 - 111}{1 + 1 + 1 + 1} = \frac{2222 - 222}{2 + 2 + 2 + 2} = \frac{3333 - 333}{3 + 3 + 3 + 3} \\ &:= \frac{4444 - 444}{4 + 4 + 4 + 4} = \frac{5555 - 555}{5 + 5 + 5 + 5} = \frac{6666 - 666}{6 + 6 + 6 + 6} \\ &:= \frac{7777 - 777}{7 + 7 + 7 + 7} = \frac{8888 - 888}{8 + 8 + 8 + 8} = \frac{9999 - 999}{9 + 9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2500} &:= \frac{11111 - 1111}{1 + 1 + 1 + 1} = \frac{22222 - 2222}{2 + 2 + 2 + 2} = \frac{33333 - 3333}{3 + 3 + 3 + 3} \\ &:= \frac{44444 - 4444}{4 + 4 + 4 + 4} = \frac{55555 - 5555}{5 + 5 + 5 + 5} = \frac{66666 - 6666}{6 + 6 + 6 + 6} \\ &:= \frac{77777 - 7777}{7 + 7 + 7 + 7} = \frac{88888 - 8888}{8 + 8 + 8 + 8} = \frac{99999 - 9999}{9 + 9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{25000} &:= \frac{111111 - 11111}{1 + 1 + 1 + 1} = \frac{222222 - 22222}{2 + 2 + 2 + 2} = \frac{333333 - 33333}{3 + 3 + 3 + 3} \\ &:= \frac{444444 - 44444}{4 + 4 + 4 + 4} = \frac{555555 - 55555}{5 + 5 + 5 + 5} = \frac{666666 - 66666}{6 + 6 + 6 + 6} \\ &:= \frac{777777 - 77777}{7 + 7 + 7 + 7} = \frac{888888 - 88888}{8 + 8 + 8 + 8} = \frac{999999 - 99999}{9 + 9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{250000} &:= \frac{1111111 - 111111}{1 + 1 + 1 + 1} = \frac{2222222 - 222222}{2 + 2 + 2 + 2} = \frac{3333333 - 333333}{3 + 3 + 3 + 3} \\ &:= \frac{4444444 - 444444}{4 + 4 + 4 + 4} = \frac{5555555 - 555555}{5 + 5 + 5 + 5} = \frac{6666666 - 666666}{6 + 6 + 6 + 6} \\ &:= \frac{7777777 - 777777}{7 + 7 + 7 + 7} = \frac{8888888 - 888888}{8 + 8 + 8 + 8} = \frac{9999999 - 999999}{9 + 9 + 9 + 9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{251} := \frac{(11 + 11 + 1) \times 11 - 1 \times (1 + 1)}{1 \times 1} = \frac{(22 + 22 + 2) \times 22 - 2 \times (2 + 2)}{2 \times 2} = \frac{(33 + 33 + 3) \times 33 - 3 \times (3 + 3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+44+4) \times 44 - 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times 55 - 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times 66 - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77 - 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times 88 - 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times 99 - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2551} &:= \frac{(11+11+1) \times 111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times 222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times 333 - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44+4) \times 444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times 555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times 666 - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times 777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times 888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times 999 - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{25551} &:= \frac{(11+11+1) \times 1111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times 2222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times 3333 - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44+4) \times 4444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times 5555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times 6666 - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times 7777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times 8888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times 9999 - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{255551} &:= \frac{(11+11+1) \times 11111 - 1 \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times 22222 - 2 \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times 33333 - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44+4) \times 44444 - 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times 55555 - 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times 66666 - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77777 - 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times 88888 - 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times 99999 - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{252} &:= \frac{(11+11+1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2552} &:= \frac{(11+11+1) \times 111 - 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times 222 - 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times 333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4) \times 444 - 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times 555 - 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times 666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7) \times 777 - 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times 888 - 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times 999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{25552} &:= \frac{(11+11+1) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

255552

$$\begin{aligned} &:= \frac{(11+11+1) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times 33333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

► 253

$$\begin{aligned} &:= \frac{(11+11+1) \times 11}{1 \times 1} = \frac{(22+22+2) \times 22}{2 \times 2} = \frac{(33+33+3) \times 33}{3 \times 3} \\ &:= \frac{(44+44+4) \times 44}{4 \times 4} = \frac{(55+55+5) \times 55}{5 \times 5} = \frac{(66+66+6) \times 66}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77}{7 \times 7} = \frac{(88+88+8) \times 88}{8 \times 8} = \frac{(99+99+9) \times 99}{9 \times 9} \end{aligned}$$

2553

$$\begin{aligned} &:= \frac{(11+11+1) \times 111}{1 \times 1} = \frac{(22+22+2) \times 222}{2 \times 2} = \frac{(33+33+3) \times 333}{3 \times 3} \\ &:= \frac{(44+44+4) \times 444}{4 \times 4} = \frac{(55+55+5) \times 555}{5 \times 5} = \frac{(66+66+6) \times 666}{6 \times 6} \\ &:= \frac{(77+77+7) \times 777}{7 \times 7} = \frac{(88+88+8) \times 888}{8 \times 8} = \frac{(99+99+9) \times 999}{9 \times 9} \end{aligned}$$

25553

$$\begin{aligned} &:= \frac{(11+11+1) \times 1111}{1 \times 1} = \frac{(22+22+2) \times 2222}{2 \times 2} = \frac{(33+33+3) \times 3333}{3 \times 3} \\ &:= \frac{(44+44+4) \times 4444}{4 \times 4} = \frac{(55+55+5) \times 5555}{5 \times 5} = \frac{(66+66+6) \times 6666}{6 \times 6} \\ &:= \frac{(77+77+7) \times 7777}{7 \times 7} = \frac{(88+88+8) \times 8888}{8 \times 8} = \frac{(99+99+9) \times 9999}{9 \times 9} \end{aligned}$$

255553

$$\begin{aligned} &:= \frac{(11+11+1) \times 11111}{1 \times 1} = \frac{(22+22+2) \times 22222}{2 \times 2} = \frac{(33+33+3) \times 33333}{3 \times 3} \\ &:= \frac{(44+44+4) \times 44444}{4 \times 4} = \frac{(55+55+5) \times 55555}{5 \times 5} = \frac{(66+66+6) \times 66666}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77777}{7 \times 7} = \frac{(88+88+8) \times 88888}{8 \times 8} = \frac{(99+99+9) \times 99999}{9 \times 9} \end{aligned}$$

► 254

$$\begin{aligned} &:= \frac{(11+11+1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

2554

$$\begin{aligned} &:= \frac{(11+11+1) \times 111 + 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times 222 + 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times 333 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4) \times 444 + 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times 555 + 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times 666 + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(77+77+7) \times 777 + 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times 888 + 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times 999 + 9 \times 9}{9 \times 9}$$

25554 := $\frac{(11+11+1) \times 1111 + 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times 2222 + 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times 3333 + 3 \times 3}{3 \times 3}$

$$:= \frac{(44+44+4) \times 4444 + 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times 5555 + 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times 6666 + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77+77+7) \times 7777 + 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times 8888 + 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times 9999 + 9 \times 9}{9 \times 9}$$

255554 := $\frac{(11+11+1) \times 11111 + 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times 22222 + 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times 33333 + 3 \times 3}{3 \times 3}$

$$:= \frac{(44+44+4) \times 44444 + 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times 55555 + 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times 66666 + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77+77+7) \times 77777 + 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times 88888 + 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times 99999 + 9 \times 9}{9 \times 9}$$

► **255** := $\frac{(11+11+1) \times 11 + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times 22 + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times 33 + 3 \times (3+3)}{3 \times 3}$

$$:= \frac{(44+44+4) \times 44 + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times 55 + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times 66 + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77+7) \times 77 + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times 88 + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times 99 + 9 \times (9+9)}{9 \times 9}$$

2555 := $\frac{(11+11+1) \times 111 + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times 222 + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times 333 + 3 \times (3+3)}{3 \times 3}$

$$:= \frac{(44+44+4) \times 444 + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times 555 + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times 666 + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77+7) \times 777 + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times 888 + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times 999 + 9 \times (9+9)}{9 \times 9}$$

25555 := $\frac{(11+11+1) \times 1111 + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times 2222 + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times 3333 + 3 \times (3+3)}{3 \times 3}$

$$:= \frac{(44+44+4) \times 4444 + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times 5555 + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times 6666 + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77+7) \times 7777 + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times 8888 + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times 9999 + 9 \times (9+9)}{9 \times 9}$$

255555 := $\frac{(11+11+1) \times 11111 + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times 22222 + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times 33333 + 3 \times (3+3)}{3 \times 3}$

$$:= \frac{(44+44+4) \times 44444 + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times 55555 + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times 66666 + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77+7) \times 77777 + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times 88888 + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times 99999 + 9 \times (9+9)}{9 \times 9}$$

► **256** := $\frac{(11+11+1) \times 11 + 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22+2) \times 22 + 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33+3) \times 33 + 3 \times (3+3+3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44+44+4) \times 44 + 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55+5) \times 55 + 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66+6) \times 66 + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77 + 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88+8) \times 88 + 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99+9) \times 99 + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

2556 := $\frac{(11+11+1) \times 111 + 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22+2) \times 222 + 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33+3) \times 333 + 3 \times (3+3+3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44+44+4) \times 444 + 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55+5) \times 555 + 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66+6) \times 666 + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times 777 + 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88+8) \times 888 + 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99+9) \times 999 + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

25556 := $\frac{(11+11+1) \times 1111 + 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22+2) \times 2222 + 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33+3) \times 3333 + 3 \times (3+3+3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44+44+4) \times 4444 + 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55+5) \times 5555 + 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66+6) \times 6666 + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times 7777 + 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88+8) \times 8888 + 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99+9) \times 9999 + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

255556 := $\frac{(11+11+1) \times 11111 + 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22+2) \times 22222 + 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33+3) \times 33333 + 3 \times (3+3+3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44+44+4) \times 44444 + 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55+5) \times 55555 + 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66+6) \times 66666 + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times 77777 + 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88+8) \times 88888 + 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99+9) \times 99999 + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

► **257** := $\frac{(111+11+1) \times (1+1) + 11 \times 1}{1 \times 1} = \frac{(222+22+2) \times (2+2) + 22 \times 2}{2 \times 2} = \frac{(333+33+3) \times (3+3) + 33 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444+44+4) \times (4+4) + 44 \times 4}{4 \times 4} = \frac{(555+55+5) \times (5+5) + 55 \times 5}{5 \times 5} = \frac{(666+66+6) \times (6+6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(777+77+7) \times (7+7) + 77 \times 7}{7 \times 7} = \frac{(888+88+8) \times (8+8) + 88 \times 8}{8 \times 8} = \frac{(999+99+9) \times (9+9) + 99 \times 9}{9 \times 9} \end{aligned}$$

2257 := $\frac{(1111+11+1) \times (1+1) + 11 \times 1}{1 \times 1} = \frac{(2222+22+2) \times (2+2) + 22 \times 2}{2 \times 2} = \frac{(3333+33+3) \times (3+3) + 33 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444+44+4) \times (4+4) + 44 \times 4}{4 \times 4} = \frac{(5555+55+5) \times (5+5) + 55 \times 5}{5 \times 5} = \frac{(6666+66+6) \times (6+6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(7777+77+7) \times (7+7) + 77 \times 7}{7 \times 7} = \frac{(8888+88+8) \times (8+8) + 88 \times 8}{8 \times 8} = \frac{(9999+99+9) \times (9+9) + 99 \times 9}{9 \times 9} \end{aligned}$$

22257 := $\frac{(11111+11+1) \times (1+1) + 11 \times 1}{1 \times 1} = \frac{(22222+22+2) \times (2+2) + 22 \times 2}{2 \times 2} = \frac{(33333+33+3) \times (3+3) + 33 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444+44+4) \times (4+4) + 44 \times 4}{4 \times 4} = \frac{(55555+55+5) \times (5+5) + 55 \times 5}{5 \times 5} = \frac{(66666+66+6) \times (6+6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(77777+77+7) \times (7+7) + 77 \times 7}{7 \times 7} = \frac{(88888+88+8) \times (8+8) + 88 \times 8}{8 \times 8} = \frac{(99999+99+9) \times (9+9) + 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222257} &:= \frac{(111111 + 11 + 1) \times (1 + 1) + 11 \times 1}{1 \times 1} = \frac{(222222 + 22 + 2) \times (2 + 2) + 22 \times 2}{2 \times 2} = \frac{(333333 + 33 + 3) \times (3 + 3) + 33 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 44 + 4) \times (4 + 4) + 44 \times 4}{4 \times 4} = \frac{(555555 + 55 + 5) \times (5 + 5) + 55 \times 5}{5 \times 5} = \frac{(666666 + 66 + 6) \times (6 + 6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 77 + 7) \times (7 + 7) + 77 \times 7}{7 \times 7} = \frac{(888888 + 88 + 8) \times (8 + 8) + 88 \times 8}{8 \times 8} = \frac{(999999 + 99 + 9) \times (9 + 9) + 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{258} &:= \frac{1111 - 1}{1 + 1 + 1} - \frac{111 + 1}{444 - 4} = \frac{222 - 2}{2 + 2 + 2} - \frac{222 + 2}{555 - 5} = \frac{333 - 3}{3 + 3 + 3} - \frac{333 + 3}{666 - 6} \\ &:= \frac{4 + 4 + 4}{777 - 7} - \frac{4}{777 + 7} = \frac{5 + 5 + 5}{888 - 8} - \frac{5}{888 + 8} = \frac{6 + 6 + 6}{999 - 9} - \frac{6}{999 + 9} \\ &:= \frac{7 + 7 + 7}{7 + 7 + 7} - \frac{7}{7} = \frac{8 + 8 + 8}{8 + 8 + 8} - \frac{8}{8} = \frac{9 + 9 + 9}{9 + 9 + 9} - \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{370258} &:= \frac{1111111 - 1}{1 + 1 + 1} - \frac{111 + 1}{444 + 4} = \frac{222222 - 2}{2 + 2 + 2} - \frac{222 + 2}{555 + 5} = \frac{333333 - 3}{3 + 3 + 3} - \frac{333 + 3}{666 + 6} \\ &:= \frac{4 + 4 + 4}{777 - 7} - \frac{4}{777 + 7} = \frac{5 + 5 + 5}{888 - 8} - \frac{5}{888 + 8} = \frac{6 + 6 + 6}{999 - 9} - \frac{6}{999 + 9} \\ &:= \frac{7 + 7 + 7}{7 + 7 + 7} - \frac{7}{7} = \frac{8 + 8 + 8}{8 + 8 + 8} - \frac{8}{8} = \frac{9 + 9 + 9}{9 + 9 + 9} - \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{370370258} &:= \frac{111111111 - 1}{1 + 1 + 1} - \frac{111 + 1}{444 + 4} = \frac{22222222 - 2}{2 + 2 + 2} - \frac{222 + 2}{555 + 5} = \frac{33333333 - 3}{3 + 3 + 3} - \frac{333 + 3}{666 + 6} \\ &:= \frac{4 + 4 + 4}{777 - 7} - \frac{4}{777 + 7} = \frac{5 + 5 + 5}{888 - 8} - \frac{5}{888 + 8} = \frac{6 + 6 + 6}{999 - 9} - \frac{6}{999 + 9} \\ &:= \frac{7 + 7 + 7}{7 + 7 + 7} - \frac{7}{7} = \frac{8 + 8 + 8}{8 + 8 + 8} - \frac{8}{8} = \frac{9 + 9 + 9}{9 + 9 + 9} - \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{370370370258} &:= \frac{111111111111 - 1}{1 + 1 + 1} - \frac{111 + 1}{444 + 4} = \frac{22222222222 - 2}{2 + 2 + 2} - \frac{222 + 2}{555 + 5} = \frac{33333333333 - 3}{3 + 3 + 3} - \frac{333 + 3}{666 + 6} \\ &:= \frac{4 + 4 + 4}{777 - 7} - \frac{4}{777 + 7} = \frac{5 + 5 + 5}{888 - 8} - \frac{5}{888 + 8} = \frac{6 + 6 + 6}{999 - 9} - \frac{6}{999 + 9} \\ &:= \frac{7 + 7 + 7}{7 + 7 + 7} - \frac{7}{7} = \frac{8 + 8 + 8}{8 + 8 + 8} - \frac{8}{8} = \frac{9 + 9 + 9}{9 + 9 + 9} - \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{259} &:= \frac{1111 - 1}{1 + 1 + 1} - \frac{111}{444 - 4} = \frac{222 - 2}{2 + 2 + 2} - \frac{222}{555 - 5} = \frac{333 - 3}{3 + 3 + 3} - \frac{333}{666 - 6} \\ &:= \frac{4 + 4 + 4}{777 - 7} - \frac{4}{777 + 7} = \frac{5 + 5 + 5}{888 - 8} - \frac{5}{888 + 8} = \frac{6 + 6 + 6}{999 - 9} - \frac{6}{999 + 9} \\ &:= \frac{7 + 7 + 7}{7 + 7 + 7} - \frac{7}{7} = \frac{8 + 8 + 8}{8 + 8 + 8} - \frac{8}{8} = \frac{9 + 9 + 9}{9 + 9 + 9} - \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{370259} &:= \frac{1111111 - 1}{1 + 1 + 1} - \frac{111}{444 - 4} = \frac{222222 - 2}{2 + 2 + 2} - \frac{222}{555 - 5} = \frac{333333 - 3}{3 + 3 + 3} - \frac{333}{666 - 6} \\ &:= \frac{4 + 4 + 4}{4 + 4 + 4} - \frac{4}{4} = \frac{5 + 5 + 5}{5 + 5 + 5} - \frac{5}{5} = \frac{6 + 6 + 6}{6 + 6 + 6} - \frac{6}{6} \end{aligned}$$

$$:= \frac{7777777-7}{7+7+7} - \frac{777}{7} = \frac{8888888-8}{8+8+8} - \frac{888}{8} = \frac{9999999-9}{9+9+9} - \frac{999}{9}$$

$$\begin{aligned} \mathbf{370370259} &:= \frac{111111111-1}{1+1+1} - \frac{111}{1} = \frac{222222222-2}{2+2+2} - \frac{222}{2} = \frac{333333333-3}{3+3+3} - \frac{333}{3} \\ &:= \frac{444444444-4}{4+4+4} - \frac{444}{4} = \frac{555555555-5}{5+5+5} - \frac{555}{5} = \frac{666666666-6}{6+6+6} - \frac{666}{6} \\ &:= \frac{777777777-7}{7+7+7} - \frac{777}{7} = \frac{888888888-8}{8+8+8} - \frac{888}{8} = \frac{999999999-9}{9+9+9} - \frac{999}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{370370370259} &:= \frac{111111111111-1}{1+1+1} - \frac{111}{1} = \frac{222222222222-2}{2+2+2} - \frac{222}{2} = \frac{333333333333-3}{3+3+3} - \frac{333}{3} \\ &:= \frac{444444444444-4}{4+4+4} - \frac{444}{4} = \frac{555555555555-5}{5+5+5} - \frac{555}{5} = \frac{666666666666-6}{6+6+6} - \frac{666}{6} \\ &:= \frac{777777777777-7}{7+7+7} - \frac{777}{7} = \frac{888888888888-8}{8+8+8} - \frac{888}{8} = \frac{999999999999-9}{9+9+9} - \frac{999}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{260} &:= \frac{(11+1+1) \times (11-1) \times (1+1)}{1 \times 1 \times 1} = \frac{(22+2+2) \times (22-2) \times (2+2)}{2 \times 2 \times 2} = \frac{(33+3+3) \times (33-3) \times (3+3)}{3 \times 3 \times 3} \\ &:= \frac{(44+4+4) \times (44-4) \times (4+4)}{4 \times 4 \times 4} = \frac{(55+5+5) \times (55-5) \times (5+5)}{5 \times 5 \times 5} = \frac{(66+6+6) \times (66-6) \times (6+6)}{6 \times 6 \times 6} \\ &:= \frac{(77+7+7) \times (77-7) \times (7+7)}{7 \times 7 \times 7} = \frac{(88+8+8) \times (88-8) \times (8+8)}{8 \times 8 \times 8} = \frac{(99+9+9) \times (99-9) \times (9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2260} &:= \frac{(111+1+1) \times (11-1) \times (1+1)}{1 \times 1 \times 1} = \frac{(222+2+2) \times (22-2) \times (2+2)}{2 \times 2 \times 2} = \frac{(333+3+3) \times (33-3) \times (3+3)}{3 \times 3 \times 3} \\ &:= \frac{(444+4+4) \times (44-4) \times (4+4)}{4 \times 4 \times 4} = \frac{(555+5+5) \times (55-5) \times (5+5)}{5 \times 5 \times 5} = \frac{(666+6+6) \times (66-6) \times (6+6)}{6 \times 6 \times 6} \\ &:= \frac{(777+7+7) \times (77-7) \times (7+7)}{7 \times 7 \times 7} = \frac{(888+8+8) \times (88-8) \times (8+8)}{8 \times 8 \times 8} = \frac{(999+9+9) \times (99-9) \times (9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22260} &:= \frac{(1111+1+1) \times (11-1) \times (1+1)}{1 \times 1 \times 1} = \frac{(2222+2+2) \times (22-2) \times (2+2)}{2 \times 2 \times 2} = \frac{(3333+3+3) \times (33-3) \times (3+3)}{3 \times 3 \times 3} \\ &:= \frac{(4444+4+4) \times (44-4) \times (4+4)}{4 \times 4 \times 4} = \frac{(5555+5+5) \times (55-5) \times (5+5)}{5 \times 5 \times 5} = \frac{(6666+6+6) \times (66-6) \times (6+6)}{6 \times 6 \times 6} \\ &:= \frac{(7777+7+7) \times (77-7) \times (7+7)}{7 \times 7 \times 7} = \frac{(8888+8+8) \times (88-8) \times (8+8)}{8 \times 8 \times 8} = \frac{(9999+9+9) \times (99-9) \times (9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222260} &:= \frac{(11111+1+1) \times (11-1) \times (1+1)}{1 \times 1 \times 1} = \frac{(22222+2+2) \times (22-2) \times (2+2)}{2 \times 2 \times 2} = \frac{(33333+3+3) \times (33-3) \times (3+3)}{3 \times 3 \times 3} \\ &:= \frac{(44444+4+4) \times (44-4) \times (4+4)}{4 \times 4 \times 4} = \frac{(55555+5+5) \times (55-5) \times (5+5)}{5 \times 5 \times 5} = \frac{(66666+6+6) \times (66-6) \times (6+6)}{6 \times 6 \times 6} \\ &:= \frac{(77777+7+7) \times (77-7) \times (7+7)}{7 \times 7 \times 7} = \frac{(88888+8+8) \times (88-8) \times (8+8)}{8 \times 8 \times 8} = \frac{(99999+9+9) \times (99-9) \times (9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{261} := \frac{(11+11) \times (11+1) - (1+1+1) \times 1}{1 \times 1} = \frac{(22+22) \times (22+2) - (2+2+2) \times 2}{2 \times 2} = \frac{(33+33) \times (33+3) - (3+3+3) \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+44) \times (44+4) - (4+4+4) \times 4}{4 \times 4} = \frac{(55+55) \times (55+5) - (5+5+5) \times 5}{5 \times 5} = \frac{(66+66) \times (66+6) - (6+6+6) \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times (77+7) - (7+7+7) \times 7}{7 \times 7} = \frac{(88+88) \times (88+8) - (8+8+8) \times 8}{8 \times 8} = \frac{(99+99) \times (99+9) - (9+9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2661} &:= \frac{(111+111) \times (11+1) - (1+1+1) \times 1}{1 \times 1} = \frac{(222+222) \times (22+2) - (2+2+2) \times 2}{2 \times 2} = \frac{(333+333) \times (33+3) - (3+3+3) \times 3}{3 \times 3} \\ &:= \frac{(444+444) \times (44+4) - (4+4+4) \times 4}{4 \times 4} = \frac{(555+555) \times (55+5) - (5+5+5) \times 5}{5 \times 5} = \frac{(666+666) \times (66+6) - (6+6+6) \times 6}{6 \times 6} \\ &:= \frac{(777+777) \times (77+7) - (7+7+7) \times 7}{7 \times 7} = \frac{(888+888) \times (88+8) - (8+8+8) \times 8}{8 \times 8} = \frac{(999+999) \times (99+9) - (9+9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{26661} &:= \frac{(1111+1111) \times (11+1) - (1+1+1) \times 1}{1 \times 1} = \frac{(2222+2222) \times (22+2) - (2+2+2) \times 2}{2 \times 2} = \frac{(3333+3333) \times (33+3) - (3+3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444+4444) \times (44+4) - (4+4+4) \times 4}{4 \times 4} = \frac{(5555+5555) \times (55+5) - (5+5+5) \times 5}{5 \times 5} = \frac{(6666+6666) \times (66+6) - (6+6+6) \times 6}{6 \times 6} \\ &:= \frac{(7777+7777) \times (77+7) - (7+7+7) \times 7}{7 \times 7} = \frac{(8888+8888) \times (88+8) - (8+8+8) \times 8}{8 \times 8} = \frac{(9999+9999) \times (99+9) - (9+9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{266661} &:= \frac{(11111+11111) \times (11+1) - (1+1+1) \times 1}{1 \times 1} = \frac{(22222+22222) \times (22+2) - (2+2+2) \times 2}{2 \times 2} = \frac{(33333+33333) \times (33+3) - (3+3+3) \times 3}{3 \times 3} \\ &:= \frac{(44444+44444) \times (44+4) - (4+4+4) \times 4}{4 \times 4} = \frac{(55555+55555) \times (55+5) - (5+5+5) \times 5}{5 \times 5} = \frac{(66666+66666) \times (66+6) - (6+6+6) \times 6}{6 \times 6} \\ &:= \frac{(77777+77777) \times (77+7) - (7+7+7) \times 7}{7 \times 7} = \frac{(88888+88888) \times (88+8) - (8+8+8) \times 8}{8 \times 8} = \frac{(99999+99999) \times (99+9) - (9+9+9) \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{262} &:= \frac{(11+11) \times (11+1) - (1+1) \times 1}{1 \times 1} = \frac{(22+22) \times (22+2) - (2+2) \times 2}{2 \times 2} = \frac{(33+33) \times (33+3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times (44+4) - (4+4) \times 4}{4 \times 4} = \frac{(55+55) \times (55+5) - (5+5) \times 5}{5 \times 5} = \frac{(66+66) \times (66+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times (77+7) - (7+7) \times 7}{7 \times 7} = \frac{(88+88) \times (88+8) - (8+8) \times 8}{8 \times 8} = \frac{(99+99) \times (99+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2662} &:= \frac{(111+111) \times (11+1) - (1+1) \times 1}{1 \times 1} = \frac{(222+222) \times (22+2) - (2+2) \times 2}{2 \times 2} = \frac{(333+333) \times (33+3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(444+444) \times (44+4) - (4+4) \times 4}{4 \times 4} = \frac{(555+555) \times (55+5) - (5+5) \times 5}{5 \times 5} = \frac{(666+666) \times (66+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(777+777) \times (77+7) - (7+7) \times 7}{7 \times 7} = \frac{(888+888) \times (88+8) - (8+8) \times 8}{8 \times 8} = \frac{(999+999) \times (99+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{26662} &:= \frac{(1111+1111) \times (11+1) - (1+1) \times 1}{1 \times 1} = \frac{(2222+2222) \times (22+2) - (2+2) \times 2}{2 \times 2} = \frac{(3333+3333) \times (33+3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444+4444) \times (44+4) - (4+4) \times 4}{4 \times 4} = \frac{(5555+5555) \times (55+5) - (5+5) \times 5}{5 \times 5} = \frac{(6666+6666) \times (66+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(7777+7777) \times (77+7) - (7+7) \times 7}{7 \times 7} = \frac{(8888+8888) \times (88+8) - (8+8) \times 8}{8 \times 8} = \frac{(9999+9999) \times (99+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(11111 + 11111) \times (11 + 1) - (1 + 1) \times 1}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 2) - (2 + 2) \times 2}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 3) - (3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44444) \times (44 + 4) - (4 + 4) \times 4}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 5) - (5 + 5) \times 5}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 6) - (6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77777) \times (77 + 7) - (7 + 7) \times 7}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 8) - (8 + 8) \times 8}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 9) - (9 + 9) \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(11 + 11) \times (11 + 1) - 1 \times 1}{1 \times 1} = \frac{(22 + 22) \times (22 + 2) - 2 \times 2}{2 \times 2} = \frac{(33 + 33) \times (33 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times (44 + 4) - 4 \times 4}{4 \times 4} = \frac{(55 + 55) \times (55 + 5) - 5 \times 5}{5 \times 5} = \frac{(66 + 66) \times (66 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times (77 + 7) - 7 \times 7}{7 \times 7} = \frac{(88 + 88) \times (88 + 8) - 8 \times 8}{8 \times 8} = \frac{(99 + 99) \times (99 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

2663

$$\begin{aligned} &:= \frac{(111 + 111) \times (11 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 222) \times (22 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 333) \times (33 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444) \times (44 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 555) \times (55 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 666) \times (66 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777) \times (77 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 888) \times (88 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 999) \times (99 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

26663

$$\begin{aligned} &:= \frac{(1111 + 1111) \times (11 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 2222) \times (22 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 3333) \times (33 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4444) \times (44 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 + 5555) \times (55 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 + 6666) \times (66 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7777) \times (77 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 8888) \times (88 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 9999) \times (99 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

266663

$$\begin{aligned} &:= \frac{(11111 + 11111) \times (11 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44444) \times (44 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77777) \times (77 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

264

$$\begin{aligned} &:= \frac{(11 + 11 + 1 + 1) \times 11}{1 \times 1} = \frac{(22 + 22 + 2 + 2) \times 22}{2 \times 2} = \frac{(33 + 33 + 3 + 3) \times 33}{3 \times 3} \\ &:= \frac{(44 + 44 + 4 + 4) \times 44}{4 \times 4} = \frac{(55 + 55 + 5 + 5) \times 55}{5 \times 5} = \frac{(66 + 66 + 6 + 6) \times 66}{6 \times 6} \\ &:= \frac{(77 + 77 + 7 + 7) \times 77}{7 \times 7} = \frac{(88 + 88 + 8 + 8) \times 88}{8 \times 8} = \frac{(99 + 99 + 9 + 9) \times 99}{9 \times 9} \end{aligned}$$

2664

$$\begin{aligned} &:= \frac{(11 + 11 + 1 + 1) \times 111}{1 \times 1} = \frac{(22 + 22 + 2 + 2) \times 222}{2 \times 2} = \frac{(33 + 33 + 3 + 3) \times 333}{3 \times 3} \\ &:= \frac{(44 + 44 + 4 + 4) \times 444}{4 \times 4} = \frac{(55 + 55 + 5 + 5) \times 555}{5 \times 5} = \frac{(66 + 66 + 6 + 6) \times 666}{6 \times 6} \end{aligned}$$

$$:= \frac{(77+77+7+7) \times 777}{7 \times 7} = \frac{(88+88+8+8) \times 888}{8 \times 8} = \frac{(99+99+9+9) \times 999}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{26664} &:= \frac{(11+11+1+1) \times 1111}{1 \times 1} = \frac{(22+22+2+2) \times 2222}{2 \times 2} = \frac{(33+33+3+3) \times 3333}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times 4444}{4 \times 4} = \frac{(55+55+5+5) \times 5555}{5 \times 5} = \frac{(66+66+6+6) \times 6666}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times 7777}{7 \times 7} = \frac{(88+88+8+8) \times 8888}{8 \times 8} = \frac{(99+99+9+9) \times 9999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{266664} &:= \frac{(11+11+1+1) \times 11111}{1 \times 1} = \frac{(22+22+2+2) \times 22222}{2 \times 2} = \frac{(33+33+3+3) \times 33333}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times 44444}{4 \times 4} = \frac{(55+55+5+5) \times 55555}{5 \times 5} = \frac{(66+66+6+6) \times 66666}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times 77777}{7 \times 7} = \frac{(88+88+8+8) \times 88888}{8 \times 8} = \frac{(99+99+9+9) \times 99999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{265} &:= \frac{(11+11) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(22+22) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(33+33) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(55+55) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(66+66) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(88+88) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(99+99) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2665} &:= \frac{(111+111) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(222+222) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(333+333) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444+444) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(555+555) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(666+666) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777+777) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(888+888) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(999+999) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{26665} &:= \frac{(1111+1111) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(2222+2222) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(3333+3333) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4444) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(5555+5555) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(6666+6666) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7777) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(8888+8888) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(9999+9999) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{266665} &:= \frac{(11111+11111) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(22222+22222) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(33333+33333) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+44444) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(55555+55555) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(66666+66666) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+77777) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(88888+88888) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(99999+99999) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{266} := \frac{(111+11+1+11-1) \times (1+1)}{1 \times 1} = \frac{(222+22+2+22-2) \times (2+2)}{2 \times 2} = \frac{(333+33+3+33-3) \times (3+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 44 + 4 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 55 + 5 + 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 66 + 6 + 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77 + 7 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 88 + 8 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 99 + 9 + 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2266} &:= \frac{(1111 + 11 + 1 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 22 + 2 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 33 + 3 + 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 + 4 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 55 + 5 + 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 66 + 6 + 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 + 7 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88 + 8 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99 + 9 + 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22266} &:= \frac{(11111 + 11 + 1 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22 + 2 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33 + 3 + 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 + 4 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55 + 5 + 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66 + 6 + 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 + 7 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88 + 8 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99 + 9 + 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222266} &:= \frac{(111111 + 11 + 1 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 22 + 2 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 33 + 3 + 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 44 + 4 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 55 + 5 + 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 66 + 6 + 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 77 + 7 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 88 + 8 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 99 + 9 + 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{267} &:= \frac{(11 + 11) \times (11 + 1) + (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(22 + 22) \times (22 + 2) + (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(33 + 33) \times (33 + 3) + (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times (44 + 4) + (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(55 + 55) \times (55 + 5) + (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(66 + 66) \times (66 + 6) + (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times (77 + 7) + (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(88 + 88) \times (88 + 8) + (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(99 + 99) \times (99 + 9) + (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2667} &:= \frac{(111 + 111) \times (11 + 1) + (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(222 + 222) \times (22 + 2) + (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(333 + 333) \times (33 + 3) + (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444 + 444) \times (44 + 4) + (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(555 + 555) \times (55 + 5) + (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(666 + 666) \times (66 + 6) + (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 + 777) \times (77 + 7) + (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(888 + 888) \times (88 + 8) + (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(999 + 999) \times (99 + 9) + (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{26667} &:= \frac{(1111 + 1111) \times (11 + 1) + (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(2222 + 2222) \times (22 + 2) + (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(3333 + 3333) \times (33 + 3) + (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4444) \times (44 + 4) + (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(5555 + 5555) \times (55 + 5) + (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(6666 + 6666) \times (66 + 6) + (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7777) \times (77 + 7) + (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(8888 + 8888) \times (88 + 8) + (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(9999 + 9999) \times (99 + 9) + (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

266667

$$\begin{aligned} &:= \frac{(11111 + 11111) \times (11 + 1) + (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 2) + (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 3) + (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44444) \times (44 + 4) + (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 5) + (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 6) + (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77777) \times (77 + 7) + (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 8) + (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 9) + (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

268

$$\begin{aligned} &:= \frac{(111 + 11 + 1 + 11) \times (1 + 1)}{1 \times 1} = \frac{(222 + 22 + 2 + 22) \times (2 + 2)}{2 \times 2} = \frac{(333 + 33 + 3 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 44 + 4 + 44) \times (4 + 4)}{4 \times 4} = \frac{(555 + 55 + 5 + 55) \times (5 + 5)}{5 \times 5} = \frac{(666 + 66 + 6 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77 + 7 + 77) \times (7 + 7)}{7 \times 7} = \frac{(888 + 88 + 8 + 88) \times (8 + 8)}{8 \times 8} = \frac{(999 + 99 + 9 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

2268

$$\begin{aligned} &:= \frac{(1111 + 11 + 1 + 11) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 22 + 2 + 22) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 33 + 3 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 + 4 + 44) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 55 + 5 + 55) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 66 + 6 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 + 7 + 77) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88 + 8 + 88) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99 + 9 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

22268

$$\begin{aligned} &:= \frac{(11111 + 11 + 1 + 11) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22 + 2 + 22) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33 + 3 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 + 4 + 44) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55 + 5 + 55) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66 + 6 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 + 7 + 77) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88 + 8 + 88) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99 + 9 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

222268

$$\begin{aligned} &:= \frac{(111111 + 11 + 1 + 11) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 22 + 2 + 22) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 33 + 3 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 44 + 4 + 44) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 55 + 5 + 55) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 66 + 6 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 77 + 7 + 77) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 88 + 8 + 88) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 99 + 9 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

269

$$\begin{aligned} &:= \frac{(111 + 11 + 1 + 11 + 1) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 22 + 2 + 22 + 2) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 33 + 3 + 33 + 3) \times (3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 44 + 4 + 44 + 4) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 55 + 5 + 55 + 5) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 66 + 6 + 66 + 6) \times (6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7 + 77 + 7) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 88 + 8 + 88 + 8) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 99 + 9 + 99 + 9) \times (9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

2269

$$\begin{aligned} &:= \frac{(1111 + 11 + 1 + 11 + 1) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 22 + 2 + 22 + 2) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 33 + 3 + 33 + 3) \times (3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 44 + 4 + 44 + 4) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 + 55 + 5 + 55 + 5) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 + 66 + 6 + 66 + 6) \times (6 + 6) - 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 77 + 7 + 77 + 7) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 88 + 8 + 88 + 8) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 99 + 9 + 99 + 9) \times (9 + 9) - 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \mathbf{22269} &:= \frac{(11111 + 11 + 1 + 11 + 1) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22 + 2 + 22 + 2) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33 + 3 + 33 + 3) \times (3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44 + 4 + 44 + 4) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55 + 5 + 55 + 5) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66 + 6 + 66 + 6) \times (6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77 + 7 + 77 + 7) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88 + 8 + 88 + 8) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99 + 9 + 99 + 9) \times (9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222269} &:= \frac{(111111 + 11 + 1 + 11 + 1) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 + 22 + 2 + 22 + 2) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 + 33 + 3 + 33 + 3) \times (3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 44 + 4 + 44 + 4) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 + 55 + 5 + 55 + 5) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 + 66 + 6 + 66 + 6) \times (6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 77 + 7 + 77 + 7) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 + 88 + 8 + 88 + 8) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 + 99 + 9 + 99 + 9) \times (9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{270} &:= \frac{(111 + 11 + 1 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 22 + 2 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 33 + 3 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 44 + 4 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 55 + 5 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 66 + 6 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77 + 7 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 88 + 8 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 99 + 9 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2270} &:= \frac{(1111 + 11 + 1 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 22 + 2 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 33 + 3 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 + 4 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 55 + 5 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 66 + 6 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 + 7 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88 + 8 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99 + 9 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22270} &:= \frac{(11111 + 11 + 1 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22 + 2 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33 + 3 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 + 4 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55 + 5 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66 + 6 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 + 7 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88 + 8 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99 + 9 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222270} &:= \frac{(111111 + 11 + 1 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 22 + 2 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 33 + 3 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 44 + 4 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 55 + 5 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 66 + 6 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 77 + 7 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 88 + 8 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 99 + 9 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{271} := \frac{(11 + 11 - 1) \times (11 + 1 + 1) - (1 + 1) \times 1}{1 \times 1} = \frac{(22 + 22 - 2) \times (22 + 2 + 2) - (2 + 2) \times 2}{2 \times 2} = \frac{(33 + 33 - 3) \times (33 + 3 + 3) - (3 + 3) \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+44-4) \times (44+4+4) - (4+4) \times 4}{4 \times 4} = \frac{(55+55-5) \times (55+5+5) - (5+5) \times 5}{5 \times 5} = \frac{(66+66-6) \times (66+6+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77+77-7) \times (77+7+7) - (7+7) \times 7}{7 \times 7} = \frac{(88+88-8) \times (88+8+8) - (8+8) \times 8}{8 \times 8} = \frac{(99+99-9) \times (99+9+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2871} &:= \frac{(111+111-1) \times (11+1+1) - (1+1) \times 1}{1 \times 1} = \frac{(222+222-2) \times (22+2+2) - (2+2) \times 2}{2 \times 2} = \frac{(333+333-3) \times (33+3+3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(444+444-4) \times (44+4+4) - (4+4) \times 4}{4 \times 4} = \frac{(555+555-5) \times (55+5+5) - (5+5) \times 5}{5 \times 5} = \frac{(666+666-6) \times (66+6+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(777+777-7) \times (77+7+7) - (7+7) \times 7}{7 \times 7} = \frac{(888+888-8) \times (88+8+8) - (8+8) \times 8}{8 \times 8} = \frac{(999+999-9) \times (99+9+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{28871} &:= \frac{(1111+1111-1) \times (11+1+1) - (1+1) \times 1}{1 \times 1} = \frac{(2222+2222-2) \times (22+2+2) - (2+2) \times 2}{2 \times 2} = \frac{(3333+3333-3) \times (33+3+3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444+4444-4) \times (44+4+4) - (4+4) \times 4}{4 \times 4} = \frac{(5555+5555-5) \times (55+5+5) - (5+5) \times 5}{5 \times 5} = \frac{(6666+6666-6) \times (66+6+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(7777+7777-7) \times (77+7+7) - (7+7) \times 7}{7 \times 7} = \frac{(8888+8888-8) \times (88+8+8) - (8+8) \times 8}{8 \times 8} = \frac{(9999+9999-9) \times (99+9+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{288871} &:= \frac{(11111+11111-1) \times (11+1+1) - (1+1) \times 1}{1 \times 1} = \frac{(22222+22222-2) \times (22+2+2) - (2+2) \times 2}{2 \times 2} = \frac{(33333+33333-3) \times (33+3+3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44444+44444-4) \times (44+4+4) - (4+4) \times 4}{4 \times 4} = \frac{(55555+55555-5) \times (55+5+5) - (5+5) \times 5}{5 \times 5} = \frac{(66666+66666-6) \times (66+6+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77777+77777-7) \times (77+7+7) - (7+7) \times 7}{7 \times 7} = \frac{(88888+88888-8) \times (88+8+8) - (8+8) \times 8}{8 \times 8} = \frac{(99999+99999-9) \times (99+9+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{272} &:= \frac{1111-11-11-1}{1+1+1+1} = \frac{2222-22-22-2}{2+2+2+2} = \frac{3333-33-33-3}{3+3+3+3} \\ &:= \frac{4444-44-44-4}{4+4+4+4} = \frac{5555-55-55-5}{5+5+5+5} = \frac{6666-66-66-6}{6+6+6+6} \\ &:= \frac{7777-77-77-7}{7+7+7+7} = \frac{8888-88-88-8}{8+8+8+8} = \frac{9999-99-99-9}{9+9+9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2772} &:= \frac{11111-11-11-1}{1+1+1+1} = \frac{22222-22-22-2}{2+2+2+2} = \frac{33333-33-33-3}{3+3+3+3} \\ &:= \frac{44444-44-44-4}{4+4+4+4} = \frac{55555-55-55-5}{5+5+5+5} = \frac{66666-66-66-6}{6+6+6+6} \\ &:= \frac{77777-77-77-7}{7+7+7+7} = \frac{88888-88-88-8}{8+8+8+8} = \frac{99999-99-99-9}{9+9+9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{27772} &:= \frac{11111-11-11-1}{1+1+1+1} = \frac{22222-22-22-2}{2+2+2+2} = \frac{33333-33-33-3}{3+3+3+3} \\ &:= \frac{44444-44-44-4}{4+4+4+4} = \frac{55555-55-55-5}{5+5+5+5} = \frac{66666-66-66-6}{6+6+6+6} \\ &:= \frac{77777-77-77-7}{7+7+7+7} = \frac{88888-88-88-8}{8+8+8+8} = \frac{99999-99-99-9}{9+9+9+9} \end{aligned}$$

$$\begin{aligned}
 277772 &:= \frac{111111 - 11 - 11 - 1}{1 + 1 + 1 + 1} = \frac{222222 - 22 - 22 - 2}{2 + 2 + 2 + 2} = \frac{333333 - 33 - 33 - 3}{3 + 3 + 3 + 3} \\
 &:= \frac{444444 - 44 - 44 - 4}{4 + 4 + 4 + 4} = \frac{555555 - 55 - 55 - 5}{5 + 5 + 5 + 5} = \frac{666666 - 66 - 66 - 6}{6 + 6 + 6 + 6} \\
 &:= \frac{777777 - 77 - 77 - 7}{7 + 7 + 7 + 7} = \frac{888888 - 88 - 88 - 8}{8 + 8 + 8 + 8} = \frac{999999 - 99 - 99 - 9}{9 + 9 + 9 + 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 273 &:= \frac{(11 + 11 - 1) \times (11 + 1 + 1)}{1 \times 1} = \frac{(22 + 22 - 2) \times (22 + 2 + 2)}{2 \times 2} = \frac{(33 + 33 - 3) \times (33 + 3 + 3)}{3 \times 3} \\
 &:= \frac{(44 + 44 - 4) \times (44 + 4 + 4)}{4 \times 4} = \frac{(55 + 55 - 5) \times (55 + 5 + 5)}{5 \times 5} = \frac{(66 + 66 - 6) \times (66 + 6 + 6)}{6 \times 6} \\
 &:= \frac{(77 + 77 - 7) \times (77 + 7 + 7)}{7 \times 7} = \frac{(88 + 88 - 8) \times (88 + 8 + 8)}{8 \times 8} = \frac{(99 + 99 - 9) \times (99 + 9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 2873 &:= \frac{(111 + 111 - 1) \times (11 + 1 + 1)}{1 \times 1} = \frac{(222 + 222 - 2) \times (22 + 2 + 2)}{2 \times 2} = \frac{(333 + 333 - 3) \times (33 + 3 + 3)}{3 \times 3} \\
 &:= \frac{(444 + 444 - 4) \times (44 + 4 + 4)}{4 \times 4} = \frac{(555 + 555 - 5) \times (55 + 5 + 5)}{5 \times 5} = \frac{(666 + 666 - 6) \times (66 + 6 + 6)}{6 \times 6} \\
 &:= \frac{(777 + 777 - 7) \times (77 + 7 + 7)}{7 \times 7} = \frac{(888 + 888 - 8) \times (88 + 8 + 8)}{8 \times 8} = \frac{(999 + 999 - 9) \times (99 + 9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 28873 &:= \frac{(1111 + 1111 - 1) \times (11 + 1 + 1)}{1 \times 1} = \frac{(2222 + 2222 - 2) \times (22 + 2 + 2)}{2 \times 2} = \frac{(3333 + 3333 - 3) \times (33 + 3 + 3)}{3 \times 3} \\
 &:= \frac{(4444 + 4444 - 4) \times (44 + 4 + 4)}{4 \times 4} = \frac{(5555 + 5555 - 5) \times (55 + 5 + 5)}{5 \times 5} = \frac{(6666 + 6666 - 6) \times (66 + 6 + 6)}{6 \times 6} \\
 &:= \frac{(7777 + 7777 - 7) \times (77 + 7 + 7)}{7 \times 7} = \frac{(8888 + 8888 - 8) \times (88 + 8 + 8)}{8 \times 8} = \frac{(9999 + 9999 - 9) \times (99 + 9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 288873 &:= \frac{(11111 + 11111 - 1) \times (11 + 1 + 1)}{1 \times 1} = \frac{(22222 + 22222 - 2) \times (22 + 2 + 2)}{2 \times 2} = \frac{(33333 + 33333 - 3) \times (33 + 3 + 3)}{3 \times 3} \\
 &:= \frac{(44444 + 44444 - 4) \times (44 + 4 + 4)}{4 \times 4} = \frac{(55555 + 55555 - 5) \times (55 + 5 + 5)}{5 \times 5} = \frac{(66666 + 66666 - 6) \times (66 + 6 + 6)}{6 \times 6} \\
 &:= \frac{(77777 + 77777 - 7) \times (77 + 7 + 7)}{7 \times 7} = \frac{(88888 + 88888 - 8) \times (88 + 8 + 8)}{8 \times 8} = \frac{(99999 + 99999 - 9) \times (99 + 9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 274 &:= \frac{(11 + 11 + 1 + 1 + 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 2 + 2 + 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 3 + 3 + 3) \times 33 - 3 \times 3}{3 \times 3} \\
 &:= \frac{(44 + 44 + 4 + 4 + 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 5 + 5 + 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 6 + 6 + 6) \times 66 - 6 \times 6}{6 \times 6} \\
 &:= \frac{(77 + 77 + 7 + 7 + 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 8 + 8 + 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 9 + 9 + 9) \times 99 - 9 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 2774 &:= \frac{(11 + 11 + 1 + 1 + 1) \times 111 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 2 + 2 + 2) \times 222 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 3 + 3 + 3) \times 333 - 3 \times 3}{3 \times 3} \\
 &:= \frac{(44 + 44 + 4 + 4 + 4) \times 444 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 5 + 5 + 5) \times 555 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 6 + 6 + 6) \times 666 - 6 \times 6}{6 \times 6}
 \end{aligned}$$

$$:= \frac{(77+77+7+7+7) \times 777 - 7 \times 7}{7 \times 7} = \frac{(88+88+8+8+8) \times 888 - 8 \times 8}{8 \times 8} = \frac{(99+99+9+9+9) \times 999 - 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \mathbf{27774} &:= \frac{(11+11+1+1+1) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(22+22+2+2+2) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(33+33+3+3+3) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4+4+4) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(55+55+5+5+5) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(66+66+6+6+6) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7+7+7) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(88+88+8+8+8) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(99+99+9+9+9) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{277774} &:= \frac{(11+11+1+1+1) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(22+22+2+2+2) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(33+33+3+3+3) \times 33333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4+4+4) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(55+55+5+5+5) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(66+66+6+6+6) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7+7+7) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(88+88+8+8+8) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(99+99+9+9+9) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \quad \mathbf{275} := \frac{1111 - 11}{1+1+1+1} = \frac{2222 - 22}{2+2+2+2} = \frac{3333 - 33}{3+3+3+3} = \frac{4444 - 44}{4+4+4+4} = \frac{5555 - 55}{5+5+5+5} = \frac{6666 - 66}{6+6+6+6} = \frac{7777 - 77}{7+7+7+7} = \frac{8888 - 88}{8+8+8+8} = \frac{9999 - 99}{9+9+9+9}$$

$$\mathbf{2775} := \frac{11111 - 11}{1+1+1+1} = \frac{22222 - 22}{2+2+2+2} = \frac{33333 - 33}{3+3+3+3} = \frac{44444 - 44}{4+4+4+4} = \frac{55555 - 55}{5+5+5+5} = \frac{66666 - 66}{6+6+6+6} = \frac{77777 - 77}{7+7+7+7} = \frac{88888 - 88}{8+8+8+8} = \frac{99999 - 99}{9+9+9+9}$$

$$\mathbf{27775} := \frac{111111 - 11}{1+1+1+1} = \frac{222222 - 22}{2+2+2+2} = \frac{333333 - 33}{3+3+3+3} = \frac{444444 - 44}{4+4+4+4} = \frac{555555 - 55}{5+5+5+5} = \frac{666666 - 66}{6+6+6+6} = \frac{777777 - 77}{7+7+7+7} = \frac{888888 - 88}{8+8+8+8} = \frac{999999 - 99}{9+9+9+9}$$

$$\mathbf{277775} := \frac{1111111 - 11}{1+1+1+1} = \frac{2222222 - 22}{2+2+2+2} = \frac{3333333 - 33}{3+3+3+3} = \frac{4444444 - 44}{4+4+4+4} = \frac{5555555 - 55}{5+5+5+5} = \frac{6666666 - 66}{6+6+6+6} = \frac{7777777 - 77}{7+7+7+7} = \frac{8888888 - 88}{8+8+8+8} = \frac{9999999 - 99}{9+9+9+9}$$

$$\begin{aligned} \blacktriangleright \quad \mathbf{276} &:= \frac{(11+11+1) \times (11+1)}{1 \times 1} = \frac{(22+22+2) \times (22+2)}{2 \times 2} = \frac{(33+33+3) \times (33+3)}{3 \times 3} \\ &:= \frac{(44+44+4) \times (44+4)}{4 \times 4} = \frac{(55+55+5) \times (55+5)}{5 \times 5} = \frac{(66+66+6) \times (66+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times (77+7)}{7 \times 7} = \frac{(88+88+8) \times (88+8)}{8 \times 8} = \frac{(99+99+9) \times (99+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2576} &:= \frac{(11+11+1) \times (111+1)}{1 \times 1} = \frac{(22+22+2) \times (222+2)}{2 \times 2} = \frac{(33+33+3) \times (333+3)}{3 \times 3} \\ &:= \frac{(44+44+4) \times (444+4)}{4 \times 4} = \frac{(55+55+5) \times (555+5)}{5 \times 5} = \frac{(66+66+6) \times (666+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times (777+7)}{7 \times 7} = \frac{(88+88+8) \times (888+8)}{8 \times 8} = \frac{(99+99+9) \times (999+9)}{9 \times 9} \end{aligned}$$

$$\mathbf{25576} := \frac{(11+11+1) \times (1111+1)}{1 \times 1} = \frac{(22+22+2) \times (2222+2)}{2 \times 2} = \frac{(33+33+3) \times (3333+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+44+4) \times (4444+4)}{4 \times 4} = \frac{(55+55+5) \times (5555+5)}{5 \times 5} = \frac{(66+66+6) \times (6666+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times (7777+7)}{7 \times 7} = \frac{(88+88+8) \times (8888+8)}{8 \times 8} = \frac{(99+99+9) \times (9999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{255576} &:= \frac{(11+11+1) \times (11111+1)}{1 \times 1} = \frac{(22+22+2) \times (22222+2)}{2 \times 2} = \frac{(33+33+3) \times (33333+3)}{3 \times 3} \\ &:= \frac{(44+44+4) \times (44444+4)}{4 \times 4} = \frac{(55+55+5) \times (55555+5)}{5 \times 5} = \frac{(66+66+6) \times (66666+6)}{6 \times 6} \\ &:= \frac{(77+77+7) \times (77777+7)}{7 \times 7} = \frac{(88+88+8) \times (88888+8)}{8 \times 8} = \frac{(99+99+9) \times (99999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textbf{277} &:= \frac{1111-1-1-1}{1+1+1+1} = \frac{2222-2-2-2}{2+2+2+2} = \frac{3333-3-3-3}{3+3+3+3} \\ &:= \frac{4444-4-4-4}{4+4+4+4} = \frac{5555-5-5-5}{5+5+5+5} = \frac{6666-6-6-6}{6+6+6+6} \\ &:= \frac{7777-7-7-7}{7+7+7+7} = \frac{8888-8-8-8}{8+8+8+8} = \frac{9999-9-9-9}{9+9+9+9} \end{aligned}$$

$$\begin{aligned} \textbf{2777} &:= \frac{11111-1-1-1}{1+1+1+1} = \frac{22222-2-2-2}{2+2+2+2} = \frac{33333-3-3-3}{3+3+3+3} \\ &:= \frac{44444-4-4-4}{4+4+4+4} = \frac{55555-5-5-5}{5+5+5+5} = \frac{66666-6-6-6}{6+6+6+6} \\ &:= \frac{77777-7-7-7}{7+7+7+7} = \frac{88888-8-8-8}{8+8+8+8} = \frac{99999-9-9-9}{9+9+9+9} \end{aligned}$$

$$\begin{aligned} \textbf{27777} &:= \frac{11111-1-1-1}{1+1+1+1} = \frac{22222-2-2-2}{2+2+2+2} = \frac{33333-3-3-3}{3+3+3+3} \\ &:= \frac{44444-4-4-4}{4+4+4+4} = \frac{55555-5-5-5}{5+5+5+5} = \frac{66666-6-6-6}{6+6+6+6} \\ &:= \frac{77777-7-7-7}{7+7+7+7} = \frac{88888-8-8-8}{8+8+8+8} = \frac{99999-9-9-9}{9+9+9+9} \end{aligned}$$

$$\begin{aligned} \textbf{277777} &:= \frac{111111-1-1-1}{1+1+1+1} = \frac{222222-2-2-2}{2+2+2+2} = \frac{333333-3-3-3}{3+3+3+3} \\ &:= \frac{444444-4-4-4}{4+4+4+4} = \frac{555555-5-5-5}{5+5+5+5} = \frac{666666-6-6-6}{6+6+6+6} \\ &:= \frac{777777-7-7-7}{7+7+7+7} = \frac{888888-8-8-8}{8+8+8+8} = \frac{999999-9-9-9}{9+9+9+9} \end{aligned}$$

$$\blacktriangleright \textbf{278} := \frac{1111+1}{1+1+1+1} = \frac{2222+2}{2+2+2+2} = \frac{3333+3}{3+3+3+3} = \frac{4444+4}{4+4+4+4} = \frac{5555+5}{5+5+5+5} = \frac{6666+6}{6+6+6+6} = \frac{7777+7}{7+7+7+7} = \frac{8888+8}{8+8+8+8} = \frac{9999+9}{9+9+9+9}$$

$$\textbf{2778} := \frac{11111+1}{1+1+1+1} = \frac{22222+2}{2+2+2+2} = \frac{33333+3}{3+3+3+3} = \frac{44444+4}{4+4+4+4} = \frac{55555+5}{5+5+5+5} = \frac{66666+6}{6+6+6+6} = \frac{77777+7}{7+7+7+7} = \frac{88888+8}{8+8+8+8} = \frac{99999+9}{9+9+9+9}$$

$$\mathbf{27778} := \frac{111111+1}{1+1+1+1} = \frac{222222+2}{2+2+2+2} = \frac{333333+3}{3+3+3+3} = \frac{444444+4}{4+4+4+4} = \frac{555555+5}{5+5+5+5} = \frac{666666+6}{6+6+6+6} = \frac{777777+7}{7+7+7+7} = \frac{888888+8}{8+8+8+8} = \frac{999999+9}{9+9+9+9}$$

$$\mathbf{277778} := \frac{1111111+1}{1+1+1+1} = \frac{2222222+2}{2+2+2+2} = \frac{3333333+3}{3+3+3+3} = \frac{4444444+4}{4+4+4+4} = \frac{5555555+5}{5+5+5+5} = \frac{6666666+6}{6+6+6+6} = \frac{7777777+7}{7+7+7+7} = \frac{8888888+8}{8+8+8+8} = \frac{9999999+9}{9+9+9+9}$$

$$\begin{aligned} \blacktriangleright \mathbf{279} &:= \frac{1111+1}{1+1+1+1} + \frac{1}{1} = \frac{2222+2}{2+2+2+2} + \frac{2}{2} = \frac{3333+3}{3+3+3+3} + \frac{3}{3} \\ &:= \frac{4444+4}{4+4+4+4} + \frac{4}{4} = \frac{5555+5}{5+5+5+5} + \frac{5}{5} = \frac{6666+6}{6+6+6+6} + \frac{6}{6} \\ &:= \frac{7777+7}{7+7+7+7} + \frac{7}{7} = \frac{8888+8}{8+8+8+8} + \frac{8}{8} = \frac{9999+9}{9+9+9+9} + \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{2779} &:= \frac{11111+1}{1+1+1+1} + \frac{1}{1} = \frac{22222+2}{2+2+2+2} + \frac{2}{2} = \frac{33333+3}{3+3+3+3} + \frac{3}{3} \\ &:= \frac{44444+4}{4+4+4+4} + \frac{4}{4} = \frac{55555+5}{5+5+5+5} + \frac{5}{5} = \frac{66666+6}{6+6+6+6} + \frac{6}{6} \\ &:= \frac{77777+7}{7+7+7+7} + \frac{7}{7} = \frac{88888+8}{8+8+8+8} + \frac{8}{8} = \frac{99999+9}{9+9+9+9} + \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{27779} &:= \frac{111111+1}{1+1+1+1} + \frac{1}{1} = \frac{222222+2}{2+2+2+2} + \frac{2}{2} = \frac{333333+3}{3+3+3+3} + \frac{3}{3} \\ &:= \frac{444444+4}{4+4+4+4} + \frac{4}{4} = \frac{555555+5}{5+5+5+5} + \frac{5}{5} = \frac{666666+6}{6+6+6+6} + \frac{6}{6} \\ &:= \frac{777777+7}{7+7+7+7} + \frac{7}{7} = \frac{888888+8}{8+8+8+8} + \frac{8}{8} = \frac{999999+9}{9+9+9+9} + \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{277779} &:= \frac{1111111+1}{1+1+1+1} + \frac{1}{1} = \frac{2222222+2}{2+2+2+2} + \frac{2}{2} = \frac{3333333+3}{3+3+3+3} + \frac{3}{3} \\ &:= \frac{4444444+4}{4+4+4+4} + \frac{4}{4} = \frac{5555555+5}{5+5+5+5} + \frac{5}{5} = \frac{6666666+6}{6+6+6+6} + \frac{6}{6} \\ &:= \frac{7777777+7}{7+7+7+7} + \frac{7}{7} = \frac{8888888+8}{8+8+8+8} + \frac{8}{8} = \frac{9999999+9}{9+9+9+9} + \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{280} &:= \frac{(111+1) \times (11-1)}{(1+1) \times (1+1)} = \frac{(222+2) \times (22-2)}{(2+2) \times (2+2)} = \frac{(333+3) \times (33-3)}{(3+3) \times (3+3)} \\ &:= \frac{(444+4) \times (44-4)}{(4+4) \times (4+4)} = \frac{(555+5) \times (55-5)}{(5+5) \times (5+5)} = \frac{(666+6) \times (66-6)}{(6+6) \times (6+6)} \\ &:= \frac{(777+7) \times (77-7)}{(7+7) \times (7+7)} = \frac{(888+8) \times (88-8)}{(8+8) \times (8+8)} = \frac{(999+9) \times (99-9)}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned} \mathbf{2780} &:= \frac{(1111+1) \times (11-1)}{(1+1) \times (1+1)} = \frac{(2222+2) \times (22-2)}{(2+2) \times (2+2)} = \frac{(3333+3) \times (33-3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444+4) \times (44-4)}{(4+4) \times (4+4)} = \frac{(5555+5) \times (55-5)}{(5+5) \times (5+5)} = \frac{(6666+6) \times (66-6)}{(6+6) \times (6+6)} \end{aligned}$$

$$:= \frac{(7777 + 7) \times (77 - 7)}{(7 + 7) \times (7 + 7)} = \frac{(8888 + 8) \times (88 - 8)}{(8 + 8) \times (8 + 8)} = \frac{(9999 + 9) \times (99 - 9)}{(9 + 9) \times (9 + 9)}$$

27780 := $\frac{(11111 + 1) \times (11 - 1)}{(1 + 1) \times (1 + 1)} = \frac{(22222 + 2) \times (22 - 2)}{(2 + 2) \times (2 + 2)} = \frac{(33333 + 3) \times (33 - 3)}{(3 + 3) \times (3 + 3)}$

$$:= \frac{(44444 + 4) \times (44 - 4)}{(4 + 4) \times (4 + 4)} = \frac{(55555 + 5) \times (55 - 5)}{(5 + 5) \times (5 + 5)} = \frac{(66666 + 6) \times (66 - 6)}{(6 + 6) \times (6 + 6)}$$
$$:= \frac{(77777 + 7) \times (77 - 7)}{(7 + 7) \times (7 + 7)} = \frac{(88888 + 8) \times (88 - 8)}{(8 + 8) \times (8 + 8)} = \frac{(99999 + 9) \times (99 - 9)}{(9 + 9) \times (9 + 9)}$$

277780 := $\frac{(111111 + 1) \times (11 - 1)}{(1 + 1) \times (1 + 1)} = \frac{(222222 + 2) \times (22 - 2)}{(2 + 2) \times (2 + 2)} = \frac{(333333 + 3) \times (33 - 3)}{(3 + 3) \times (3 + 3)}$

$$:= \frac{(444444 + 4) \times (44 - 4)}{(4 + 4) \times (4 + 4)} = \frac{(555555 + 5) \times (55 - 5)}{(5 + 5) \times (5 + 5)} = \frac{(666666 + 6) \times (66 - 6)}{(6 + 6) \times (6 + 6)}$$
$$:= \frac{(777777 + 7) \times (77 - 7)}{(7 + 7) \times (7 + 7)} = \frac{(888888 + 8) \times (88 - 8)}{(8 + 8) \times (8 + 8)} = \frac{(999999 + 9) \times (99 - 9)}{(9 + 9) \times (9 + 9)}$$

► **281** := $\frac{1111 + 11 + 1 + 1}{1 + 1 + 1 + 1} = \frac{2222 + 22 + 2 + 2}{2 + 2 + 2 + 2} = \frac{3333 + 33 + 3 + 3}{3 + 3 + 3 + 3}$

$$:= \frac{4444 + 44 + 4 + 4}{4 + 4 + 4 + 4} = \frac{5555 + 55 + 5 + 5}{5 + 5 + 5 + 5} = \frac{6666 + 66 + 6 + 6}{6 + 6 + 6 + 6}$$
$$:= \frac{7777 + 77 + 7 + 7}{7 + 7 + 7 + 7} = \frac{8888 + 88 + 8 + 8}{8 + 8 + 8 + 8} = \frac{9999 + 99 + 9 + 9}{9 + 9 + 9 + 9}$$

2781 := $\frac{11111 + 11 + 1 + 1}{1 + 1 + 1 + 1} = \frac{22222 + 22 + 2 + 2}{2 + 2 + 2 + 2} = \frac{33333 + 33 + 3 + 3}{3 + 3 + 3 + 3}$

$$:= \frac{44444 + 44 + 4 + 4}{4 + 4 + 4 + 4} = \frac{55555 + 55 + 5 + 5}{5 + 5 + 5 + 5} = \frac{66666 + 66 + 6 + 6}{6 + 6 + 6 + 6}$$
$$:= \frac{77777 + 77 + 7 + 7}{7 + 7 + 7 + 7} = \frac{88888 + 88 + 8 + 8}{8 + 8 + 8 + 8} = \frac{99999 + 99 + 9 + 9}{9 + 9 + 9 + 9}$$

27781 := $\frac{111111 + 11 + 1 + 1}{1 + 1 + 1 + 1} = \frac{222222 + 22 + 2 + 2}{2 + 2 + 2 + 2} = \frac{333333 + 33 + 3 + 3}{3 + 3 + 3 + 3}$

$$:= \frac{444444 + 44 + 4 + 4}{4 + 4 + 4 + 4} = \frac{555555 + 55 + 5 + 5}{5 + 5 + 5 + 5} = \frac{666666 + 66 + 6 + 6}{6 + 6 + 6 + 6}$$
$$:= \frac{777777 + 77 + 7 + 7}{7 + 7 + 7 + 7} = \frac{888888 + 88 + 8 + 8}{8 + 8 + 8 + 8} = \frac{999999 + 99 + 9 + 9}{9 + 9 + 9 + 9}$$

277781 := $\frac{1111111 + 11 + 1 + 1}{1 + 1 + 1 + 1} = \frac{2222222 + 22 + 2 + 2}{2 + 2 + 2 + 2} = \frac{3333333 + 33 + 3 + 3}{3 + 3 + 3 + 3}$

$$:= \frac{4444444 + 44 + 4 + 4}{4 + 4 + 4 + 4} = \frac{5555555 + 55 + 5 + 5}{5 + 5 + 5 + 5} = \frac{6666666 + 66 + 6 + 6}{6 + 6 + 6 + 6}$$
$$:= \frac{7777777 + 77 + 7 + 7}{7 + 7 + 7 + 7} = \frac{8888888 + 88 + 8 + 8}{8 + 8 + 8 + 8} = \frac{9999999 + 99 + 9 + 9}{9 + 9 + 9 + 9}$$

► **282** := $\frac{1111 + 11 + 1 + 1}{1 + 1 + 1 + 1} + \frac{1}{1} = \frac{2222 + 22 + 2 + 2}{2 + 2 + 2 + 2} + \frac{2}{2} = \frac{3333 + 33 + 3 + 3}{3 + 3 + 3 + 3} + \frac{3}{3}$

$$\begin{aligned} &:= \frac{4444 + 44 + 4 + 4}{4 + 4 + 4 + 4} + \frac{4}{4} = \frac{5555 + 55 + 5 + 5}{5 + 5 + 5 + 5} + \frac{5}{5} = \frac{6666 + 66 + 6 + 6}{6 + 6 + 6 + 6} + \frac{6}{6} \\ &:= \frac{7777 + 77 + 7 + 7}{7 + 7 + 7 + 7} + \frac{7}{7} = \frac{8888 + 88 + 8 + 8}{8 + 8 + 8 + 8} + \frac{8}{8} = \frac{9999 + 99 + 9 + 9}{9 + 9 + 9 + 9} + \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2782} &:= \frac{11111 + 11 + 1 + 1}{1 + 1 + 1 + 1} + \frac{1}{1} = \frac{22222 + 22 + 2 + 2}{2 + 2 + 2 + 2} + \frac{2}{2} = \frac{33333 + 33 + 3 + 3}{3 + 3 + 3 + 3} + \frac{3}{3} \\ &:= \frac{44444 + 44 + 4 + 4}{4 + 4 + 4 + 4} + \frac{4}{4} = \frac{55555 + 55 + 5 + 5}{5 + 5 + 5 + 5} + \frac{5}{5} = \frac{66666 + 66 + 6 + 6}{6 + 6 + 6 + 6} + \frac{6}{6} \\ &:= \frac{77777 + 77 + 7 + 7}{7 + 7 + 7 + 7} + \frac{7}{7} = \frac{88888 + 88 + 8 + 8}{8 + 8 + 8 + 8} + \frac{8}{8} = \frac{99999 + 99 + 9 + 9}{9 + 9 + 9 + 9} + \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{27782} &:= \frac{111111 + 11 + 1 + 1}{1 + 1 + 1 + 1} + \frac{1}{1} = \frac{222222 + 22 + 2 + 2}{2 + 2 + 2 + 2} + \frac{2}{2} = \frac{333333 + 33 + 3 + 3}{3 + 3 + 3 + 3} + \frac{3}{3} \\ &:= \frac{444444 + 44 + 4 + 4}{4 + 4 + 4 + 4} + \frac{4}{4} = \frac{555555 + 55 + 5 + 5}{5 + 5 + 5 + 5} + \frac{5}{5} = \frac{666666 + 66 + 6 + 6}{6 + 6 + 6 + 6} + \frac{6}{6} \\ &:= \frac{777777 + 77 + 7 + 7}{7 + 7 + 7 + 7} + \frac{7}{7} = \frac{888888 + 88 + 8 + 8}{8 + 8 + 8 + 8} + \frac{8}{8} = \frac{999999 + 99 + 9 + 9}{9 + 9 + 9 + 9} + \frac{9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{277782} &:= \frac{1111111 + 11 + 1 + 1}{1 + 1 + 1 + 1} + \frac{1}{1} = \frac{2222222 + 22 + 2 + 2}{2 + 2 + 2 + 2} + \frac{2}{2} = \frac{3333333 + 33 + 3 + 3}{3 + 3 + 3 + 3} + \frac{3}{3} \\ &:= \frac{4444444 + 44 + 4 + 4}{4 + 4 + 4 + 4} + \frac{4}{4} = \frac{5555555 + 55 + 5 + 5}{5 + 5 + 5 + 5} + \frac{5}{5} = \frac{6666666 + 66 + 6 + 6}{6 + 6 + 6 + 6} + \frac{6}{6} \\ &:= \frac{7777777 + 77 + 7 + 7}{7 + 7 + 7 + 7} + \frac{7}{7} = \frac{8888888 + 88 + 8 + 8}{8 + 8 + 8 + 8} + \frac{8}{8} = \frac{9999999 + 99 + 9 + 9}{9 + 9 + 9 + 9} + \frac{9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{283} &:= \frac{1111 + 11 + 11 - 1}{1 + 1 + 1 + 1} = \frac{2222 + 22 + 22 - 2}{2 + 2 + 2 + 2} = \frac{3333 + 33 + 33 - 3}{3 + 3 + 3 + 3} \\ &:= \frac{4444 + 44 + 44 - 4}{4 + 4 + 4 + 4} = \frac{5555 + 55 + 55 - 5}{5 + 5 + 5 + 5} = \frac{6666 + 66 + 66 - 6}{6 + 6 + 6 + 6} \\ &:= \frac{7777 + 77 + 77 - 7}{7 + 7 + 7 + 7} = \frac{8888 + 88 + 88 - 8}{8 + 8 + 8 + 8} = \frac{9999 + 99 + 99 - 9}{9 + 9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2783} &:= \frac{11111 + 11 + 11 - 1}{1 + 1 + 1 + 1} = \frac{22222 + 22 + 22 - 2}{2 + 2 + 2 + 2} = \frac{33333 + 33 + 33 - 3}{3 + 3 + 3 + 3} \\ &:= \frac{44444 + 44 + 44 - 4}{4 + 4 + 4 + 4} = \frac{55555 + 55 + 55 - 5}{5 + 5 + 5 + 5} = \frac{66666 + 66 + 66 - 6}{6 + 6 + 6 + 6} \\ &:= \frac{77777 + 77 + 77 - 7}{7 + 7 + 7 + 7} = \frac{88888 + 88 + 88 - 8}{8 + 8 + 8 + 8} = \frac{99999 + 99 + 99 - 9}{9 + 9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{27783} &:= \frac{111111 + 11 + 11 - 1}{1 + 1 + 1 + 1} = \frac{222222 + 22 + 22 - 2}{2 + 2 + 2 + 2} = \frac{333333 + 33 + 33 - 3}{3 + 3 + 3 + 3} \\ &:= \frac{444444 + 44 + 44 - 4}{4 + 4 + 4 + 4} = \frac{555555 + 55 + 55 - 5}{5 + 5 + 5 + 5} = \frac{666666 + 66 + 66 - 6}{6 + 6 + 6 + 6} \\ &:= \frac{777777 + 77 + 77 - 7}{7 + 7 + 7 + 7} = \frac{888888 + 88 + 88 - 8}{8 + 8 + 8 + 8} = \frac{999999 + 99 + 99 - 9}{9 + 9 + 9 + 9} \end{aligned}$$

277783

$$\begin{aligned} &:= \frac{1111111+11+11-1}{1+1+1+1} = \frac{2222222+22+22-2}{2+2+2+2} = \frac{3333333+33+33-3}{3+3+3+3} \\ &:= \frac{4444444+44+44-4}{4+4+4+4} = \frac{5555555+55+55-5}{5+5+5+5} = \frac{6666666+66+66-6}{6+6+6+6} \\ &:= \frac{7777777+77+77-7}{7+7+7+7} = \frac{8888888+88+88-8}{8+8+8+8} = \frac{9999999+99+99-9}{9+9+9+9} \end{aligned}$$

▶ 284

$$\begin{aligned} &:= \frac{1111+1}{1+1+1+1} + \frac{11+1}{1+1} = \frac{2222+2}{2+2+2+2} + \frac{22+2}{2+2} = \frac{3333+3}{3+3+3+3} + \frac{33+3}{3+3} \\ &:= \frac{4444+4}{4+4+4+4} + \frac{44+4}{4+4} = \frac{5555+5}{5+5+5+5} + \frac{55+5}{5+5} = \frac{6666+6}{6+6+6+6} + \frac{66+6}{6+6} \\ &:= \frac{7777+7}{7+7+7+7} + \frac{77+7}{7+7} = \frac{8888+8}{8+8+8+8} + \frac{88+8}{8+8} = \frac{9999+9}{9+9+9+9} + \frac{99+9}{9+9} \end{aligned}$$

2784

$$\begin{aligned} &:= \frac{11111+1}{1+1+1+1} + \frac{11+1}{1+1} = \frac{22222+2}{2+2+2+2} + \frac{22+2}{2+2} = \frac{33333+3}{3+3+3+3} + \frac{33+3}{3+3} \\ &:= \frac{44444+4}{4+4+4+4} + \frac{44+4}{4+4} = \frac{55555+5}{5+5+5+5} + \frac{55+5}{5+5} = \frac{66666+6}{6+6+6+6} + \frac{66+6}{6+6} \\ &:= \frac{77777+7}{7+7+7+7} + \frac{77+7}{7+7} = \frac{88888+8}{8+8+8+8} + \frac{88+8}{8+8} = \frac{99999+9}{9+9+9+9} + \frac{99+9}{9+9} \end{aligned}$$

27784

$$\begin{aligned} &:= \frac{111111+1}{1+1+1+1} + \frac{11+1}{1+1} = \frac{222222+2}{2+2+2+2} + \frac{22+2}{2+2} = \frac{333333+3}{3+3+3+3} + \frac{33+3}{3+3} \\ &:= \frac{444444+4}{4+4+4+4} + \frac{44+4}{4+4} = \frac{555555+5}{5+5+5+5} + \frac{55+5}{5+5} = \frac{666666+6}{6+6+6+6} + \frac{66+6}{6+6} \\ &:= \frac{777777+7}{7+7+7+7} + \frac{77+7}{7+7} = \frac{888888+8}{8+8+8+8} + \frac{88+8}{8+8} = \frac{999999+9}{9+9+9+9} + \frac{99+9}{9+9} \end{aligned}$$

277784

$$\begin{aligned} &:= \frac{1111111+1}{1+1+1+1} + \frac{11+1}{1+1} = \frac{2222222+2}{2+2+2+2} + \frac{22+2}{2+2} = \frac{3333333+3}{3+3+3+3} + \frac{33+3}{3+3} \\ &:= \frac{4444444+4}{4+4+4+4} + \frac{44+4}{4+4} = \frac{5555555+5}{5+5+5+5} + \frac{55+5}{5+5} = \frac{6666666+6}{6+6+6+6} + \frac{66+6}{6+6} \\ &:= \frac{7777777+7}{7+7+7+7} + \frac{77+7}{7+7} = \frac{8888888+8}{8+8+8+8} + \frac{88+8}{8+8} = \frac{9999999+9}{9+9+9+9} + \frac{99+9}{9+9} \end{aligned}$$

▶ 285

$$\begin{aligned} &:= \frac{(11+1+1) \times (11+11) - 1 \times 1}{1 \times 1} = \frac{(22+2+2) \times (22+22) - 2 \times 2}{2 \times 2} = \frac{(33+3+3) \times (33+33) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4) \times (44+44) - 4 \times 4}{4 \times 4} = \frac{(55+5+5) \times (55+55) - 5 \times 5}{5 \times 5} = \frac{(66+6+6) \times (66+66) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77+77) - 7 \times 7}{7 \times 7} = \frac{(88+8+8) \times (88+88) - 8 \times 8}{8 \times 8} = \frac{(99+9+9) \times (99+99) - 9 \times 9}{9 \times 9} \end{aligned}$$

2485

$$\begin{aligned} &:= \frac{(111+1+1) \times (11+11) - 1 \times 1}{1 \times 1} = \frac{(222+2+2) \times (22+22) - 2 \times 2}{2 \times 2} = \frac{(333+3+3) \times (33+33) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+4+4) \times (44+44) - 4 \times 4}{4 \times 4} = \frac{(555+5+5) \times (55+55) - 5 \times 5}{5 \times 5} = \frac{(666+6+6) \times (66+66) - 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(777+7+7) \times (77+77) - 7 \times 7}{7 \times 7} = \frac{(888+8+8) \times (88+88) - 8 \times 8}{8 \times 8} = \frac{(999+9+9) \times (99+99) - 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \mathbf{24485} &:= \frac{(1111+1+1) \times (11+11) - 1 \times 1}{1 \times 1} = \frac{(2222+2+2) \times (22+22) - 2 \times 2}{2 \times 2} = \frac{(3333+3+3) \times (33+33) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4+4) \times (44+44) - 4 \times 4}{4 \times 4} = \frac{(5555+5+5) \times (55+55) - 5 \times 5}{5 \times 5} = \frac{(6666+6+6) \times (66+66) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7+7) \times (77+77) - 7 \times 7}{7 \times 7} = \frac{(8888+8+8) \times (88+88) - 8 \times 8}{8 \times 8} = \frac{(9999+9+9) \times (99+99) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{244485} &:= \frac{(11111+1+1) \times (11+11) - 1 \times 1}{1 \times 1} = \frac{(22222+2+2) \times (22+22) - 2 \times 2}{2 \times 2} = \frac{(33333+3+3) \times (33+33) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+4+4) \times (44+44) - 4 \times 4}{4 \times 4} = \frac{(55555+5+5) \times (55+55) - 5 \times 5}{5 \times 5} = \frac{(66666+6+6) \times (66+66) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+7+7) \times (77+77) - 7 \times 7}{7 \times 7} = \frac{(88888+8+8) \times (88+88) - 8 \times 8}{8 \times 8} = \frac{(99999+9+9) \times (99+99) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{286} &:= \frac{(11+1+1) \times (11+11)}{1 \times 1} = \frac{(22+2+2) \times (22+22)}{2 \times 2} = \frac{(33+3+3) \times (33+33)}{3 \times 3} \\ &:= \frac{(44+4+4) \times (44+44)}{4 \times 4} = \frac{(55+5+5) \times (55+55)}{5 \times 5} = \frac{(66+6+6) \times (66+66)}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77+77)}{7 \times 7} = \frac{(88+8+8) \times (88+88)}{8 \times 8} = \frac{(99+9+9) \times (99+99)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2886} &:= \frac{(11+1+1) \times (111+111)}{1 \times 1} = \frac{(22+2+2) \times (222+222)}{2 \times 2} = \frac{(33+3+3) \times (333+333)}{3 \times 3} \\ &:= \frac{(44+4+4) \times (444+444)}{4 \times 4} = \frac{(55+5+5) \times (555+555)}{5 \times 5} = \frac{(66+6+6) \times (666+666)}{6 \times 6} \\ &:= \frac{(77+7+7) \times (777+777)}{7 \times 7} = \frac{(88+8+8) \times (888+888)}{8 \times 8} = \frac{(99+9+9) \times (999+999)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{28886} &:= \frac{(11+1+1) \times (1111+1111)}{1 \times 1} = \frac{(22+2+2) \times (2222+2222)}{2 \times 2} = \frac{(33+3+3) \times (3333+3333)}{3 \times 3} \\ &:= \frac{(44+4+4) \times (4444+4444)}{4 \times 4} = \frac{(55+5+5) \times (5555+5555)}{5 \times 5} = \frac{(66+6+6) \times (6666+6666)}{6 \times 6} \\ &:= \frac{(77+7+7) \times (7777+7777)}{7 \times 7} = \frac{(88+8+8) \times (8888+8888)}{8 \times 8} = \frac{(99+9+9) \times (9999+9999)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{288886} &:= \frac{(11+1+1) \times (11111+11111)}{1 \times 1} = \frac{(22+2+2) \times (22222+22222)}{2 \times 2} = \frac{(33+3+3) \times (33333+33333)}{3 \times 3} \\ &:= \frac{(44+4+4) \times (44444+44444)}{4 \times 4} = \frac{(55+5+5) \times (55555+55555)}{5 \times 5} = \frac{(66+6+6) \times (66666+66666)}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77777+77777)}{7 \times 7} = \frac{(88+8+8) \times (88888+88888)}{8 \times 8} = \frac{(99+9+9) \times (99999+99999)}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{287} := \frac{(11+1+1) \times (11+11) + 1 \times 1}{1 \times 1} = \frac{(22+2+2) \times (22+22) + 2 \times 2}{2 \times 2} = \frac{(33+3+3) \times (33+33) + 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+4+4) \times (44+44) + 4 \times 4}{4 \times 4} = \frac{(55+5+5) \times (55+55) + 5 \times 5}{5 \times 5} = \frac{(66+6+6) \times (66+66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77+77) + 7 \times 7}{7 \times 7} = \frac{(88+8+8) \times (88+88) + 8 \times 8}{8 \times 8} = \frac{(99+9+9) \times (99+99) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2487} &:= \frac{(111+1+1) \times (11+11) + 1 \times 1}{1 \times 1} = \frac{(222+2+2) \times (22+22) + 2 \times 2}{2 \times 2} = \frac{(333+3+3) \times (33+33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444+4+4) \times (44+44) + 4 \times 4}{4 \times 4} = \frac{(555+5+5) \times (55+55) + 5 \times 5}{5 \times 5} = \frac{(666+6+6) \times (66+66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777+7+7) \times (77+77) + 7 \times 7}{7 \times 7} = \frac{(888+8+8) \times (88+88) + 8 \times 8}{8 \times 8} = \frac{(999+9+9) \times (99+99) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{24487} &:= \frac{(1111+1+1) \times (11+11) + 1 \times 1}{1 \times 1} = \frac{(2222+2+2) \times (22+22) + 2 \times 2}{2 \times 2} = \frac{(3333+3+3) \times (33+33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4+4) \times (44+44) + 4 \times 4}{4 \times 4} = \frac{(5555+5+5) \times (55+55) + 5 \times 5}{5 \times 5} = \frac{(6666+6+6) \times (66+66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7+7) \times (77+77) + 7 \times 7}{7 \times 7} = \frac{(8888+8+8) \times (88+88) + 8 \times 8}{8 \times 8} = \frac{(9999+9+9) \times (99+99) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{244487} &:= \frac{(11111+1+1) \times (11+11) + 1 \times 1}{1 \times 1} = \frac{(22222+2+2) \times (22+22) + 2 \times 2}{2 \times 2} = \frac{(33333+3+3) \times (33+33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+4+4) \times (44+44) + 4 \times 4}{4 \times 4} = \frac{(55555+5+5) \times (55+55) + 5 \times 5}{5 \times 5} = \frac{(66666+6+6) \times (66+66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+7+7) \times (77+77) + 7 \times 7}{7 \times 7} = \frac{(88888+8+8) \times (88+88) + 8 \times 8}{8 \times 8} = \frac{(99999+9+9) \times (99+99) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{288} &:= \frac{(11+11+1+1) \times (11+1)}{1 \times 1} = \frac{(22+22+2+2) \times (22+2)}{2 \times 2} = \frac{(33+33+3+3) \times (33+3)}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (44+4)}{4 \times 4} = \frac{(55+55+5+5) \times (55+5)}{5 \times 5} = \frac{(66+66+6+6) \times (66+6)}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (77+7)}{7 \times 7} = \frac{(88+88+8+8) \times (88+8)}{8 \times 8} = \frac{(99+99+9+9) \times (99+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2688} &:= \frac{(11+11+1+1) \times (111+1)}{1 \times 1} = \frac{(22+22+2+2) \times (222+2)}{2 \times 2} = \frac{(33+33+3+3) \times (333+3)}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (444+4)}{4 \times 4} = \frac{(55+55+5+5) \times (555+5)}{5 \times 5} = \frac{(66+66+6+6) \times (666+6)}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (777+7)}{7 \times 7} = \frac{(88+88+8+8) \times (888+8)}{8 \times 8} = \frac{(99+99+9+9) \times (999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{26688} &:= \frac{(11+11+1+1) \times (1111+1)}{1 \times 1} = \frac{(22+22+2+2) \times (2222+2)}{2 \times 2} = \frac{(33+33+3+3) \times (3333+3)}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (4444+4)}{4 \times 4} = \frac{(55+55+5+5) \times (5555+5)}{5 \times 5} = \frac{(66+66+6+6) \times (6666+6)}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (7777+7)}{7 \times 7} = \frac{(88+88+8+8) \times (8888+8)}{8 \times 8} = \frac{(99+99+9+9) \times (9999+9)}{9 \times 9} \end{aligned}$$

266688

$$\begin{aligned} &:= \frac{(11+11+1+1) \times (11111+1)}{1 \times 1} = \frac{(22+22+2+2) \times (22222+2)}{2 \times 2} = \frac{(33+33+3+3) \times (33333+3)}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (44444+4)}{4 \times 4} = \frac{(55+55+5+5) \times (55555+5)}{5 \times 5} = \frac{(66+66+6+6) \times (66666+6)}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (77777+7)}{7 \times 7} = \frac{(88+88+8+8) \times (88888+8)}{8 \times 8} = \frac{(99+99+9+9) \times (99999+9)}{9 \times 9} \end{aligned}$$

► 289

$$\begin{aligned} &:= \frac{(11+11+1+1) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(22+22+2+2) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(33+33+3+3) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(55+55+5+5) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(66+66+6+6) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(88+88+8+8) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(99+99+9+9) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

2689

$$\begin{aligned} &:= \frac{(11+11+1+1) \times (111+1) + 1 \times 1}{1 \times 1} = \frac{(22+22+2+2) \times (222+2) + 2 \times 2}{2 \times 2} = \frac{(33+33+3+3) \times (333+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (444+4) + 4 \times 4}{4 \times 4} = \frac{(55+55+5+5) \times (555+5) + 5 \times 5}{5 \times 5} = \frac{(66+66+6+6) \times (666+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (777+7) + 7 \times 7}{7 \times 7} = \frac{(88+88+8+8) \times (888+8) + 8 \times 8}{8 \times 8} = \frac{(99+99+9+9) \times (999+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

26689

$$\begin{aligned} &:= \frac{(11+11+1+1) \times (1111+1) + 1 \times 1}{1 \times 1} = \frac{(22+22+2+2) \times (2222+2) + 2 \times 2}{2 \times 2} = \frac{(33+33+3+3) \times (3333+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (4444+4) + 4 \times 4}{4 \times 4} = \frac{(55+55+5+5) \times (5555+5) + 5 \times 5}{5 \times 5} = \frac{(66+66+6+6) \times (6666+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (7777+7) + 7 \times 7}{7 \times 7} = \frac{(88+88+8+8) \times (8888+8) + 8 \times 8}{8 \times 8} = \frac{(99+99+9+9) \times (9999+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

266689

$$\begin{aligned} &:= \frac{(11+11+1+1) \times (11111+1) + 1 \times 1}{1 \times 1} = \frac{(22+22+2+2) \times (22222+2) + 2 \times 2}{2 \times 2} = \frac{(33+33+3+3) \times (33333+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (44444+4) + 4 \times 4}{4 \times 4} = \frac{(55+55+5+5) \times (55555+5) + 5 \times 5}{5 \times 5} = \frac{(66+66+6+6) \times (66666+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (77777+7) + 7 \times 7}{7 \times 7} = \frac{(88+88+8+8) \times (88888+8) + 8 \times 8}{8 \times 8} = \frac{(99+99+9+9) \times (99999+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► 290

$$\begin{aligned} &:= \frac{(111+11+11+11+1) \times (1+1)}{1 \times 1} = \frac{(222+22+22+22+2) \times (2+2)}{2 \times 2} = \frac{(333+33+33+33+3) \times (3+3)}{3 \times 3} \\ &:= \frac{(444+44+44+44+4) \times (4+4)}{4 \times 4} = \frac{(555+55+55+55+5) \times (5+5)}{5 \times 5} = \frac{(666+66+66+66+6) \times (6+6)}{6 \times 6} \\ &:= \frac{(777+77+77+77+7) \times (7+7)}{7 \times 7} = \frac{(888+88+88+88+8) \times (8+8)}{8 \times 8} = \frac{(999+99+99+99+9) \times (9+9)}{9 \times 9} \end{aligned}$$

2290

$$\begin{aligned} &:= \frac{(1111+11+11+11+1) \times (1+1)}{1 \times 1} = \frac{(2222+22+22+22+2) \times (2+2)}{2 \times 2} = \frac{(3333+33+33+33+3) \times (3+3)}{3 \times 3} \\ &:= \frac{(4444+44+44+44+4) \times (4+4)}{4 \times 4} = \frac{(5555+55+55+55+5) \times (5+5)}{5 \times 5} = \frac{(6666+66+66+66+6) \times (6+6)}{6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(7777 + 77 + 77 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88 + 88 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99 + 99 + 99 + 9) \times (9 + 9)}{9 \times 9} \\ \textcolor{red}{22290} &:= \frac{(11111 + 11 + 11 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22 + 22 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33 + 33 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 + 44 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55 + 55 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66 + 66 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 + 77 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88 + 88 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99 + 99 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222290} &:= \frac{(111111 + 11 + 11 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 22 + 22 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 33 + 33 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 44 + 44 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 55 + 55 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 66 + 66 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 77 + 77 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 88 + 88 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 99 + 99 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{291} &:= \frac{1111 \times (1 + 1 + 1) - (11 + 1) \times 11}{1 \times 11} = \frac{2222 \times (2 + 2 + 2) - (22 + 2) \times 22}{2 \times 22} = \frac{3333 \times (3 + 3 + 3) - (33 + 3) \times 33}{3 \times 33} \\ &:= \frac{4444 \times (4 + 4 + 4) - (44 + 4) \times 44}{4 \times 44} = \frac{5555 \times (5 + 5 + 5) - (55 + 5) \times 55}{5 \times 55} = \frac{6666 \times (6 + 6 + 6) - (66 + 6) \times 66}{6 \times 66} \\ &:= \frac{7777 \times (7 + 7 + 7) - (77 + 7) \times 77}{7 \times 77} = \frac{8888 \times (8 + 8 + 8) - (88 + 8) \times 88}{8 \times 88} = \frac{9999 \times (9 + 9 + 9) - (99 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{30291} &:= \frac{111111 \times (1 + 1 + 1) - (11 + 1) \times 11}{1 \times 11} = \frac{222222 \times (2 + 2 + 2) - (22 + 2) \times 22}{2 \times 22} = \frac{333333 \times (3 + 3 + 3) - (33 + 3) \times 33}{3 \times 33} \\ &:= \frac{444444 \times (4 + 4 + 4) - (44 + 4) \times 44}{4 \times 44} = \frac{555555 \times (5 + 5 + 5) - (55 + 5) \times 55}{5 \times 55} = \frac{666666 \times (6 + 6 + 6) - (66 + 6) \times 66}{6 \times 66} \\ &:= \frac{777777 \times (7 + 7 + 7) - (77 + 7) \times 77}{7 \times 77} = \frac{888888 \times (8 + 8 + 8) - (88 + 8) \times 88}{8 \times 88} = \frac{999999 \times (9 + 9 + 9) - (99 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3030291} &:= \frac{11111111 \times (1 + 1 + 1) - (11 + 1) \times 11}{1 \times 11} = \frac{22222222 \times (2 + 2 + 2) - (22 + 2) \times 22}{2 \times 22} = \frac{33333333 \times (3 + 3 + 3) - (33 + 3) \times 33}{3 \times 33} \\ &:= \frac{44444444 \times (4 + 4 + 4) - (44 + 4) \times 44}{4 \times 44} = \frac{55555555 \times (5 + 5 + 5) - (55 + 5) \times 55}{5 \times 55} = \frac{66666666 \times (6 + 6 + 6) - (66 + 6) \times 66}{6 \times 66} \\ &:= \frac{77777777 \times (7 + 7 + 7) - (77 + 7) \times 77}{7 \times 77} = \frac{88888888 \times (8 + 8 + 8) - (88 + 8) \times 88}{8 \times 88} = \frac{99999999 \times (9 + 9 + 9) - (99 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{303030291} &:= \frac{1111111111 \times (1 + 1 + 1) - (11 + 1) \times 11}{1 \times 11} = \frac{2222222222 \times (2 + 2 + 2) - (22 + 2) \times 22}{2 \times 22} = \frac{3333333333 \times (3 + 3 + 3) - (33 + 3) \times 33}{3 \times 33} \\ &:= \frac{4444444444 \times (4 + 4 + 4) - (44 + 4) \times 44}{4 \times 44} = \frac{5555555555 \times (5 + 5 + 5) - (55 + 5) \times 55}{5 \times 55} = \frac{6666666666 \times (6 + 6 + 6) - (66 + 6) \times 66}{6 \times 66} \\ &:= \frac{7777777777 \times (7 + 7 + 7) - (77 + 7) \times 77}{7 \times 77} = \frac{8888888888 \times (8 + 8 + 8) - (88 + 8) \times 88}{8 \times 88} = \frac{9999999999 \times (9 + 9 + 9) - (99 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{292} &:= \frac{1111 \times (1 + 1 + 1) - 11 \times 11}{1 \times 11} = \frac{2222 \times (2 + 2 + 2) - 22 \times 22}{2 \times 22} = \frac{3333 \times (3 + 3 + 3) - 33 \times 33}{3 \times 33} \end{aligned}$$

$$\begin{aligned}
&:= \frac{4444 \times (4 + 4 + 4) - 44 \times 44}{4 \times 44} = \frac{5555 \times (5 + 5 + 5) - 55 \times 55}{5 \times 55} = \frac{6666 \times (6 + 6 + 6) - 66 \times 66}{6 \times 66} \\
&:= \frac{7777 \times (7 + 7 + 7) - 77 \times 77}{7 \times 77} = \frac{8888 \times (8 + 8 + 8) - 88 \times 88}{8 \times 88} = \frac{9999 \times (9 + 9 + 9) - 99 \times 99}{9 \times 99}
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{30292} &:= \frac{111111 \times (1 + 1 + 1) - 11 \times 11}{1 \times 11} = \frac{222222 \times (2 + 2 + 2) - 22 \times 22}{2 \times 22} = \frac{333333 \times (3 + 3 + 3) - 33 \times 33}{3 \times 33} \\
&:= \frac{444444 \times (4 + 4 + 4) - 44 \times 44}{4 \times 44} = \frac{555555 \times (5 + 5 + 5) - 55 \times 55}{5 \times 55} = \frac{666666 \times (6 + 6 + 6) - 66 \times 66}{6 \times 66} \\
&:= \frac{777777 \times (7 + 7 + 7) - 77 \times 77}{7 \times 77} = \frac{888888 \times (8 + 8 + 8) - 88 \times 88}{8 \times 88} = \frac{999999 \times (9 + 9 + 9) - 99 \times 99}{9 \times 99}
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{3030292} &:= \frac{11111111 \times (1 + 1 + 1) - 11 \times 11}{1 \times 11} = \frac{22222222 \times (2 + 2 + 2) - 22 \times 22}{2 \times 22} = \frac{33333333 \times (3 + 3 + 3) - 33 \times 33}{3 \times 33} \\
&:= \frac{44444444 \times (4 + 4 + 4) - 44 \times 44}{4 \times 44} = \frac{55555555 \times (5 + 5 + 5) - 55 \times 55}{5 \times 55} = \frac{66666666 \times (6 + 6 + 6) - 66 \times 66}{6 \times 66} \\
&:= \frac{77777777 \times (7 + 7 + 7) - 77 \times 77}{7 \times 77} = \frac{88888888 \times (8 + 8 + 8) - 88 \times 88}{8 \times 88} = \frac{99999999 \times (9 + 9 + 9) - 99 \times 99}{9 \times 99}
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{303030292} &:= \frac{1111111111 \times (1 + 1 + 1) - 11 \times 11}{1 \times 11} = \frac{2222222222 \times (2 + 2 + 2) - 22 \times 22}{2 \times 22} = \frac{3333333333 \times (3 + 3 + 3) - 33 \times 33}{3 \times 33} \\
&:= \frac{4444444444 \times (4 + 4 + 4) - 44 \times 44}{4 \times 44} = \frac{5555555555 \times (5 + 5 + 5) - 55 \times 55}{5 \times 55} = \frac{6666666666 \times (6 + 6 + 6) - 66 \times 66}{6 \times 66} \\
&:= \frac{7777777777 \times (7 + 7 + 7) - 77 \times 77}{7 \times 77} = \frac{8888888888 \times (8 + 8 + 8) - 88 \times 88}{8 \times 88} = \frac{9999999999 \times (9 + 9 + 9) - 99 \times 99}{9 \times 99}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright \textcolor{red}{293} &:= \frac{(111 - 11 - 1 - 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 2 - 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 3 - 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\
&:= \frac{(444 - 44 - 4 - 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 5 - 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 6 - 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\
&:= \frac{(777 - 77 - 7 - 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 8 - 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 9 - 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9}
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{3293} &:= \frac{(1111 - 11 - 1 - 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 - 22 - 2 - 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 - 33 - 3 - 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\
&:= \frac{(4444 - 44 - 4 - 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 - 55 - 5 - 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 - 66 - 6 - 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\
&:= \frac{(7777 - 77 - 7 - 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 - 88 - 8 - 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 - 99 - 9 - 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9}
\end{aligned}$$

$$\begin{aligned}
\textcolor{red}{33293} &:= \frac{(11111 - 11 - 1 - 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 - 22 - 2 - 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 - 33 - 3 - 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\
&:= \frac{(44444 - 44 - 4 - 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 - 55 - 5 - 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 - 66 - 6 - 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\
&:= \frac{(77777 - 77 - 7 - 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 - 88 - 8 - 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 - 99 - 9 - 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9}
\end{aligned}$$

333293

$$\begin{aligned} &:= \frac{(111111 - 11 - 1 - 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 - 22 - 2 - 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 - 33 - 3 - 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44 - 4 - 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 55 - 5 - 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 66 - 6 - 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77 - 7 - 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 88 - 8 - 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 99 - 9 - 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► 294

$$\begin{aligned} &:= \frac{(111 - 11 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 - 22 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 - 33 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 - 44 - 4 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 - 55 - 5 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 - 66 - 6 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 - 77 - 7 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 - 88 - 8 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 - 99 - 9 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

3294

$$\begin{aligned} &:= \frac{(1111 - 11 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 - 22 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 - 33 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 - 44 - 4 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 - 55 - 5 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 - 66 - 6 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(7777 - 77 - 7 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 - 88 - 8 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 - 99 - 9 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

33294

$$\begin{aligned} &:= \frac{(11111 - 11 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 - 22 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 - 33 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 - 44 - 4 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 - 55 - 5 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 - 66 - 6 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 - 77 - 7 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 - 88 - 8 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 - 99 - 9 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

333294

$$\begin{aligned} &:= \frac{(111111 - 11 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 - 22 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 - 33 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444444 - 44 - 4 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 - 55 - 5 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 - 66 - 6 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777777 - 77 - 7 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 - 88 - 8 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 - 99 - 9 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

► 295

$$\begin{aligned} &:= \frac{(111 - 11 - 1 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 2 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 3 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 4 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 5 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 6 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 7 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 8 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 9 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

3295

$$\begin{aligned} &:= \frac{(1111 - 11 - 1 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 22 - 2 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 33 - 3 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 44 - 4 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 55 - 5 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 66 - 6 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777-77-7-7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(8888-88-8-8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(9999-99-9-9) \times (9+9+9) + 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{33295} &:= \frac{(11111-11-1-1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(22222-22-2-2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(33333-33-3-3) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-44-4-4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(55555-55-5-5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(66666-66-6-6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-77-7-7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(88888-88-8-8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(99999-99-9-9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333295} &:= \frac{(111111-11-1-1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222222-22-2-2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333333-33-3-3) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44-4-4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555555-55-5-5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666666-66-6-6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-77-7-7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888888-88-8-8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999999-99-9-9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{296} &:= \frac{(111-11-1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(222-22-2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(333-33-3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(555-55-5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(666-66-6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(888-88-8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(999-99-9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3296} &:= \frac{(1111-11-1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(2222-22-2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(3333-33-3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-44-4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(5555-55-5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(6666-66-6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-77-7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(8888-88-8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(9999-99-9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33296} &:= \frac{(11111-11-1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(22222-22-2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(33333-33-3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-44-4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(55555-55-5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(66666-66-6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-77-7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(88888-88-8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(99999-99-9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333296} &:= \frac{(111111-11-1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(222222-22-2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(333333-33-3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44-4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(555555-55-5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(666666-66-6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-77-7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(888888-88-8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(999999-99-9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{297} := \frac{(111-11-1) \times (1+1+1)}{1 \times 1} = \frac{(222-22-2) \times (2+2+2)}{2 \times 2} = \frac{(333-33-3) \times (3+3+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 - 44 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 - 55 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 - 66 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 - 77 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 - 88 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 - 99 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3297} &:= \frac{(1111 - 11 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 - 22 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 - 33 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 - 44 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 - 55 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 - 66 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(7777 - 77 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 - 88 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 - 99 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33297} &:= \frac{(11111 - 11 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 - 22 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 - 33 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 - 44 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 - 55 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 - 66 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 - 77 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 - 88 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 - 99 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333297} &:= \frac{(111111 - 11 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 - 22 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 - 33 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444444 - 44 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 - 55 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 - 66 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777777 - 77 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 - 88 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 - 99 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{298} &:= \frac{(111 - 11 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3298} &:= \frac{(1111 - 11 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 22 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 33 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 44 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 55 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 66 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 77 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 - 88 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 - 99 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33298} &:= \frac{(11111 - 11 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 - 22 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 - 33 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 44 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 - 55 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 - 66 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 77 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 - 88 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 - 99 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

333298

$$\begin{aligned} &:= \frac{(111111 - 11 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 - 22 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 - 33 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 - 55 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 - 66 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 - 88 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 - 99 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

299

$$\begin{aligned} &:= \frac{(111 - 11) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 - 22) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 - 33) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 - 55) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 - 66) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 - 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 - 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

2999

$$\begin{aligned} &:= \frac{(1111 - 111) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 - 222) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 - 333) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 444) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 - 555) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 - 666) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 777) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 - 888) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 - 999) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

29999

$$\begin{aligned} &:= \frac{(11111 - 1111) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 - 2222) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 - 3333) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 4444) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 - 5555) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 - 6666) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7777) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 - 8888) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 - 9999) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

299999

$$\begin{aligned} &:= \frac{(111111 - 11111) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 - 22222) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 - 33333) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44444) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 55555) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 66666) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77777) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 88888) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 99999) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

300

$$\begin{aligned} &:= \frac{(111 - 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 - 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 - 33) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 - 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 - 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 - 66) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 - 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 - 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 - 99) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

3000

$$\begin{aligned} &:= \frac{(1111 - 111) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 - 222) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 - 333) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 - 444) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 - 555) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 - 666) \times (6 + 6 + 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 - 777) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 - 888) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 - 999) \times (9 + 9 + 9)}{9 \times 9}$$

30000 := $\frac{(11111 - 1111) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 - 2222) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 - 3333) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44444 - 4444) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 - 5555) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 - 6666) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 - 7777) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 - 8888) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 - 9999) \times (9 + 9 + 9)}{9 \times 9}$$

300000 := $\frac{(111111 - 11111) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 - 22222) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 - 33333) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(444444 - 44444) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 - 55555) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 - 66666) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 - 77777) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 - 88888) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 - 99999) \times (9 + 9 + 9)}{9 \times 9}$$

► **301** := $\frac{(111 - 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444 - 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 - 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

3001 := $\frac{(1111 - 111) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 222) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 333) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(4444 - 444) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 555) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 666) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 - 777) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 - 888) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 - 999) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

30001 := $\frac{(11111 - 1111) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 - 2222) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 - 3333) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(44444 - 4444) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 - 5555) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 - 6666) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 - 7777) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 - 8888) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 - 9999) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

300001 := $\frac{(111111 - 11111) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 - 22222) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 - 33333) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444444 - 44444) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 - 55555) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 - 66666) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 - 77777) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 - 88888) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 - 99999) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

► **302** := $\frac{1111 \times (1 + 1 + 1) - 1 \times 11}{1 \times 11} = \frac{2222 \times (2 + 2 + 2) - 2 \times 22}{2 \times 22} = \frac{3333 \times (3 + 3 + 3) - 3 \times 33}{3 \times 33}$

$$\begin{aligned} &:= \frac{4444 \times (4 + 4 + 4) - 4 \times 44}{4 \times 44} = \frac{5555 \times (5 + 5 + 5) - 5 \times 55}{5 \times 55} = \frac{6666 \times (6 + 6 + 6) - 6 \times 66}{6 \times 66} \\ &:= \frac{7777 \times (7 + 7 + 7) - 7 \times 77}{7 \times 77} = \frac{8888 \times (8 + 8 + 8) - 8 \times 88}{8 \times 88} = \frac{9999 \times (9 + 9 + 9) - 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{30302} &:= \frac{111111 \times (1 + 1 + 1) - 1 \times 11}{1 \times 11} = \frac{222222 \times (2 + 2 + 2) - 2 \times 22}{2 \times 22} = \frac{333333 \times (3 + 3 + 3) - 3 \times 33}{3 \times 33} \\ &:= \frac{444444 \times (4 + 4 + 4) - 4 \times 44}{4 \times 44} = \frac{555555 \times (5 + 5 + 5) - 5 \times 55}{5 \times 55} = \frac{666666 \times (6 + 6 + 6) - 6 \times 66}{6 \times 66} \\ &:= \frac{777777 \times (7 + 7 + 7) - 7 \times 77}{7 \times 77} = \frac{888888 \times (8 + 8 + 8) - 8 \times 88}{8 \times 88} = \frac{999999 \times (9 + 9 + 9) - 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3030302} &:= \frac{11111111 \times (1 + 1 + 1) - 1 \times 11}{1 \times 11} = \frac{22222222 \times (2 + 2 + 2) - 2 \times 22}{2 \times 22} = \frac{33333333 \times (3 + 3 + 3) - 3 \times 33}{3 \times 33} \\ &:= \frac{44444444 \times (4 + 4 + 4) - 4 \times 44}{4 \times 44} = \frac{55555555 \times (5 + 5 + 5) - 5 \times 55}{5 \times 55} = \frac{66666666 \times (6 + 6 + 6) - 6 \times 66}{6 \times 66} \\ &:= \frac{77777777 \times (7 + 7 + 7) - 7 \times 77}{7 \times 77} = \frac{88888888 \times (8 + 8 + 8) - 8 \times 88}{8 \times 88} = \frac{99999999 \times (9 + 9 + 9) - 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{303030302} &:= \frac{1111111111 \times (1 + 1 + 1) - 1 \times 11}{1 \times 11} = \frac{2222222222 \times (2 + 2 + 2) - 2 \times 22}{2 \times 22} = \frac{3333333333 \times (3 + 3 + 3) - 3 \times 33}{3 \times 33} \\ &:= \frac{4444444444 \times (4 + 4 + 4) - 4 \times 44}{4 \times 44} = \frac{5555555555 \times (5 + 5 + 5) - 5 \times 55}{5 \times 55} = \frac{6666666666 \times (6 + 6 + 6) - 6 \times 66}{6 \times 66} \\ &:= \frac{7777777777 \times (7 + 7 + 7) - 7 \times 77}{7 \times 77} = \frac{8888888888 \times (8 + 8 + 8) - 8 \times 88}{8 \times 88} = \frac{9999999999 \times (9 + 9 + 9) - 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{303} &:= \frac{1111 \times (1 + 1 + 1)}{11 \times 1} = \frac{2222 \times (2 + 2 + 2)}{22 \times 2} = \frac{3333 \times (3 + 3 + 3)}{33 \times 3} \\ &:= \frac{4444 \times (4 + 4 + 4)}{44 \times 4} = \frac{5555 \times (5 + 5 + 5)}{55 \times 5} = \frac{6666 \times (6 + 6 + 6)}{66 \times 6} \\ &:= \frac{7777 \times (7 + 7 + 7)}{77 \times 7} = \frac{8888 \times (8 + 8 + 8)}{88 \times 8} = \frac{9999 \times (9 + 9 + 9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{30303} &:= \frac{111111 \times (1 + 1 + 1)}{11 \times 1} = \frac{222222 \times (2 + 2 + 2)}{22 \times 2} = \frac{333333 \times (3 + 3 + 3)}{33 \times 3} \\ &:= \frac{444444 \times (4 + 4 + 4)}{44 \times 4} = \frac{555555 \times (5 + 5 + 5)}{55 \times 5} = \frac{666666 \times (6 + 6 + 6)}{66 \times 6} \\ &:= \frac{777777 \times (7 + 7 + 7)}{77 \times 7} = \frac{888888 \times (8 + 8 + 8)}{88 \times 8} = \frac{999999 \times (9 + 9 + 9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3030303} &:= \frac{11111111 \times (1 + 1 + 1)}{11 \times 1} = \frac{22222222 \times (2 + 2 + 2)}{22 \times 2} = \frac{33333333 \times (3 + 3 + 3)}{33 \times 3} \\ &:= \frac{44444444 \times (4 + 4 + 4)}{44 \times 4} = \frac{55555555 \times (5 + 5 + 5)}{55 \times 5} = \frac{66666666 \times (6 + 6 + 6)}{66 \times 6} \\ &:= \frac{77777777 \times (7 + 7 + 7)}{77 \times 7} = \frac{88888888 \times (8 + 8 + 8)}{88 \times 8} = \frac{99999999 \times (9 + 9 + 9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{303030303} &:= \frac{1111111111 \times (1+1+1)}{11 \times 1} = \frac{2222222222 \times (2+2+2)}{22 \times 2} = \frac{3333333333 \times (3+3+3)}{33 \times 3} \\ &:= \frac{4444444444 \times (4+4+4)}{44 \times 4} = \frac{5555555555 \times (5+5+5)}{55 \times 5} = \frac{6666666666 \times (6+6+6)}{66 \times 6} \\ &:= \frac{7777777777 \times (7+7+7)}{77 \times 7} = \frac{8888888888 \times (8+8+8)}{88 \times 8} = \frac{9999999999 \times (9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{304} &:= \frac{1111 \times (1+1+1) + 1 \times 11}{1 \times 11} = \frac{2222 \times (2+2+2) + 2 \times 22}{2 \times 22} = \frac{3333 \times (3+3+3) + 3 \times 33}{3 \times 33} \\ &:= \frac{4444 \times (4+4+4) + 4 \times 44}{4 \times 44} = \frac{5555 \times (5+5+5) + 5 \times 55}{5 \times 55} = \frac{6666 \times (6+6+6) + 6 \times 66}{6 \times 66} \\ &:= \frac{7777 \times (7+7+7) + 7 \times 77}{7 \times 77} = \frac{8888 \times (8+8+8) + 8 \times 88}{8 \times 88} = \frac{9999 \times (9+9+9) + 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \mathbf{30304} &:= \frac{111111 \times (1+1+1) + 1 \times 11}{1 \times 11} = \frac{222222 \times (2+2+2) + 2 \times 22}{2 \times 22} = \frac{333333 \times (3+3+3) + 3 \times 33}{3 \times 33} \\ &:= \frac{444444 \times (4+4+4) + 4 \times 44}{4 \times 44} = \frac{555555 \times (5+5+5) + 5 \times 55}{5 \times 55} = \frac{666666 \times (6+6+6) + 6 \times 66}{6 \times 66} \\ &:= \frac{777777 \times (7+7+7) + 7 \times 77}{7 \times 77} = \frac{888888 \times (8+8+8) + 8 \times 88}{8 \times 88} = \frac{999999 \times (9+9+9) + 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \mathbf{3030304} &:= \frac{11111111 \times (1+1+1) + 1 \times 11}{1 \times 11} = \frac{22222222 \times (2+2+2) + 2 \times 22}{2 \times 22} = \frac{33333333 \times (3+3+3) + 3 \times 33}{3 \times 33} \\ &:= \frac{44444444 \times (4+4+4) + 4 \times 44}{4 \times 44} = \frac{55555555 \times (5+5+5) + 5 \times 55}{5 \times 55} = \frac{66666666 \times (6+6+6) + 6 \times 66}{6 \times 66} \\ &:= \frac{77777777 \times (7+7+7) + 7 \times 77}{7 \times 77} = \frac{88888888 \times (8+8+8) + 8 \times 88}{8 \times 88} = \frac{99999999 \times (9+9+9) + 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \mathbf{303030304} &:= \frac{1111111111 \times (1+1+1) + 1 \times 11}{1 \times 11} = \frac{2222222222 \times (2+2+2) + 2 \times 22}{2 \times 22} = \frac{3333333333 \times (3+3+3) + 3 \times 33}{3 \times 33} \\ &:= \frac{4444444444 \times (4+4+4) + 4 \times 44}{4 \times 44} = \frac{5555555555 \times (5+5+5) + 5 \times 55}{5 \times 55} = \frac{6666666666 \times (6+6+6) + 6 \times 66}{6 \times 66} \\ &:= \frac{7777777777 \times (7+7+7) + 7 \times 77}{7 \times 77} = \frac{8888888888 \times (8+8+8) + 8 \times 88}{8 \times 88} = \frac{9999999999 \times (9+9+9) + 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{305} &:= \frac{(111 - 11 + 1) \times (1+1+1) + (1+1) \times 1}{1 \times 1} = \frac{(222 - 22 + 2) \times (2+2+2) + (2+2) \times 2}{2 \times 2} = \frac{(333 - 33 + 3) \times (3+3+3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 + 4) \times (4+4+4) + (4+4) \times 4}{4 \times 4} = \frac{(555 - 55 + 5) \times (5+5+5) + (5+5) \times 5}{5 \times 5} = \frac{(666 - 66 + 6) \times (6+6+6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 + 7) \times (7+7+7) + (7+7) \times 7}{7 \times 7} = \frac{(888 - 88 + 8) \times (8+8+8) + (8+8) \times 8}{8 \times 8} = \frac{(999 - 99 + 9) \times (9+9+9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{3305} &:= \frac{(1111 - 11 + 1) \times (1+1+1) + (1+1) \times 1}{1 \times 1} = \frac{(2222 - 22 + 2) \times (2+2+2) + (2+2) \times 2}{2 \times 2} = \frac{(3333 - 33 + 3) \times (3+3+3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444 - 44 + 4) \times (4+4+4) + (4+4) \times 4}{4 \times 4} = \frac{(5555 - 55 + 5) \times (5+5+5) + (5+5) \times 5}{5 \times 5} = \frac{(6666 - 66 + 6) \times (6+6+6) + (6+6) \times 6}{6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(7777-77+7) \times (7+7+7) + (7+7) \times 7}{7 \times 7} = \frac{(8888-88+8) \times (8+8+8) + (8+8) \times 8}{8 \times 8} = \frac{(9999-99+9) \times (9+9+9) + (9+9) \times 9}{9 \times 9} \\ \textcolor{red}{33305} &:= \frac{(11111-11+1) \times (1+1+1) + (1+1) \times 1}{1 \times 1} = \frac{(22222-22+2) \times (2+2+2) + (2+2) \times 2}{2 \times 2} = \frac{(33333-33+3) \times (3+3+3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44444-44+4) \times (4+4+4) + (4+4) \times 4}{4 \times 4} = \frac{(55555-55+5) \times (5+5+5) + (5+5) \times 5}{5 \times 5} = \frac{(66666-66+6) \times (6+6+6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77777-77+7) \times (7+7+7) + (7+7) \times 7}{7 \times 7} = \frac{(88888-88+8) \times (8+8+8) + (8+8) \times 8}{8 \times 8} = \frac{(99999-99+9) \times (9+9+9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333305} &:= \frac{(111111-11+1) \times (1+1+1) + (1+1) \times 1}{1 \times 1} = \frac{(222222-22+2) \times (2+2+2) + (2+2) \times 2}{2 \times 2} = \frac{(333333-33+3) \times (3+3+3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(444444-44+4) \times (4+4+4) + (4+4) \times 4}{4 \times 4} = \frac{(555555-55+5) \times (5+5+5) + (5+5) \times 5}{5 \times 5} = \frac{(666666-66+6) \times (6+6+6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(777777-77+7) \times (7+7+7) + (7+7) \times 7}{7 \times 7} = \frac{(888888-88+8) \times (8+8+8) + (8+8) \times 8}{8 \times 8} = \frac{(999999-99+9) \times (9+9+9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{306} &:= \frac{(1111+11) \times (1+1+1)}{11 \times 1} = \frac{(2222+22) \times (2+2+2)}{22 \times 2} = \frac{(3333+33) \times (3+3+3)}{33 \times 3} \\ &:= \frac{(4444+44) \times (4+4+4)}{44 \times 4} = \frac{(5555+55) \times (5+5+5)}{55 \times 5} = \frac{(6666+66) \times (6+6+6)}{66 \times 6} \\ &:= \frac{(7777+77) \times (7+7+7)}{77 \times 7} = \frac{(8888+88) \times (8+8+8)}{88 \times 8} = \frac{(9999+99) \times (9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{30306} &:= \frac{(111111+11) \times (1+1+1)}{11 \times 1} = \frac{(222222+22) \times (2+2+2)}{22 \times 2} = \frac{(333333+33) \times (3+3+3)}{33 \times 3} \\ &:= \frac{(444444+44) \times (4+4+4)}{44 \times 4} = \frac{(555555+55) \times (5+5+5)}{55 \times 5} = \frac{(666666+66) \times (6+6+6)}{66 \times 6} \\ &:= \frac{(777777+77) \times (7+7+7)}{77 \times 7} = \frac{(888888+88) \times (8+8+8)}{88 \times 8} = \frac{(999999+99) \times (9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3030306} &:= \frac{(11111111+11) \times (1+1+1)}{11 \times 1} = \frac{(22222222+22) \times (2+2+2)}{22 \times 2} = \frac{(33333333+33) \times (3+3+3)}{33 \times 3} \\ &:= \frac{(44444444+44) \times (4+4+4)}{44 \times 4} = \frac{(55555555+55) \times (5+5+5)}{55 \times 5} = \frac{(66666666+66) \times (6+6+6)}{66 \times 6} \\ &:= \frac{(77777777+77) \times (7+7+7)}{77 \times 7} = \frac{(88888888+88) \times (8+8+8)}{88 \times 8} = \frac{(99999999+99) \times (9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{303030306} &:= \frac{(1111111111+11) \times (1+1+1)}{11 \times 1} = \frac{(2222222222+22) \times (2+2+2)}{22 \times 2} = \frac{(3333333333+33) \times (3+3+3)}{33 \times 3} \\ &:= \frac{(4444444444+44) \times (4+4+4)}{44 \times 4} = \frac{(5555555555+55) \times (5+5+5)}{55 \times 5} = \frac{(6666666666+66) \times (6+6+6)}{66 \times 6} \\ &:= \frac{(7777777777+77) \times (7+7+7)}{77 \times 7} = \frac{(8888888888+88) \times (8+8+8)}{88 \times 8} = \frac{(9999999999+99) \times (9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{307} &:= \frac{(111+1) \times 11 - (1+1) \times (1+1)}{(1+1) \times (1+1)} = \frac{(222+2) \times 22 - (2+2) \times (2+2)}{(2+2) \times (2+2)} = \frac{(333+3) \times 33 - (3+3) \times (3+3)}{(3+3) \times (3+3)} \end{aligned}$$

$$\begin{aligned} &:= \frac{(444+4) \times 44 - (4+4) \times (4+4)}{(4+4) \times (4+4)} = \frac{(555+5) \times 55 - (5+5) \times (5+5)}{(5+5) \times (5+5)} = \frac{(666+6) \times 66 - (6+6) \times (6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(777+7) \times 77 - (7+7) \times (7+7)}{(7+7) \times (7+7)} = \frac{(888+8) \times 88 - (8+8) \times (8+8)}{(8+8) \times (8+8)} = \frac{(999+9) \times 99 - (9+9) \times (9+9)}{(9+9) \times (9+9)} \end{aligned}$$

3107 := $\frac{(111+1) \times 111 - (1+1) \times (1+1)}{(1+1) \times (1+1)} = \frac{(222+2) \times 222 - (2+2) \times (2+2)}{(2+2) \times (2+2)} = \frac{(333+3) \times 333 - (3+3) \times (3+3)}{(3+3) \times (3+3)}$

$$\begin{aligned} &:= \frac{(444+4) \times 444 - (4+4) \times (4+4)}{(4+4) \times (4+4)} = \frac{(555+5) \times 555 - (5+5) \times (5+5)}{(5+5) \times (5+5)} = \frac{(666+6) \times 666 - (6+6) \times (6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(777+7) \times 777 - (7+7) \times (7+7)}{(7+7) \times (7+7)} = \frac{(888+8) \times 888 - (8+8) \times (8+8)}{(8+8) \times (8+8)} = \frac{(999+9) \times 999 - (9+9) \times (9+9)}{(9+9) \times (9+9)} \end{aligned}$$

31107 := $\frac{(111+1) \times 1111 - (1+1) \times (1+1)}{(1+1) \times (1+1)} = \frac{(222+2) \times 2222 - (2+2) \times (2+2)}{(2+2) \times (2+2)} = \frac{(333+3) \times 3333 - (3+3) \times (3+3)}{(3+3) \times (3+3)}$

$$\begin{aligned} &:= \frac{(444+4) \times 4444 - (4+4) \times (4+4)}{(4+4) \times (4+4)} = \frac{(555+5) \times 5555 - (5+5) \times (5+5)}{(5+5) \times (5+5)} = \frac{(666+6) \times 6666 - (6+6) \times (6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(777+7) \times 7777 - (7+7) \times (7+7)}{(7+7) \times (7+7)} = \frac{(888+8) \times 8888 - (8+8) \times (8+8)}{(8+8) \times (8+8)} = \frac{(999+9) \times 9999 - (9+9) \times (9+9)}{(9+9) \times (9+9)} \end{aligned}$$

311107 := $\frac{(111+1) \times 11111 - (1+1) \times (1+1)}{(1+1) \times (1+1)} = \frac{(222+2) \times 22222 - (2+2) \times (2+2)}{(2+2) \times (2+2)} = \frac{(333+3) \times 33333 - (3+3) \times (3+3)}{(3+3) \times (3+3)}$

$$\begin{aligned} &:= \frac{(444+4) \times 44444 - (4+4) \times (4+4)}{(4+4) \times (4+4)} = \frac{(555+5) \times 55555 - (5+5) \times (5+5)}{(5+5) \times (5+5)} = \frac{(666+6) \times 66666 - (6+6) \times (6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(777+7) \times 77777 - (7+7) \times (7+7)}{(7+7) \times (7+7)} = \frac{(888+8) \times 88888 - (8+8) \times (8+8)}{(8+8) \times (8+8)} = \frac{(999+9) \times 99999 - (9+9) \times (9+9)}{(9+9) \times (9+9)} \end{aligned}$$

► **308** := $\frac{(111+1) \times 11}{(1+1) \times (1+1)} = \frac{(222+2) \times 22}{(2+2) \times (2+2)} = \frac{(333+3) \times 33}{(3+3) \times (3+3)}$

$$\begin{aligned} &:= \frac{(444+4) \times 44}{(4+4) \times (4+4)} = \frac{(555+5) \times 55}{(5+5) \times (5+5)} = \frac{(666+6) \times 66}{(6+6) \times (6+6)} \\ &:= \frac{(777+7) \times 77}{(7+7) \times (7+7)} = \frac{(888+8) \times 88}{(8+8) \times (8+8)} = \frac{(999+9) \times 99}{(9+9) \times (9+9)} \end{aligned}$$

3058 := $\frac{(1111+1) \times 11}{(1+1) \times (1+1)} = \frac{(2222+2) \times 22}{(2+2) \times (2+2)} = \frac{(3333+3) \times 33}{(3+3) \times (3+3)}$

$$\begin{aligned} &:= \frac{(4444+4) \times 44}{(4+4) \times (4+4)} = \frac{(5555+5) \times 55}{(5+5) \times (5+5)} = \frac{(6666+6) \times 66}{(6+6) \times (6+6)} \\ &:= \frac{(7777+7) \times 77}{(7+7) \times (7+7)} = \frac{(8888+8) \times 88}{(8+8) \times (8+8)} = \frac{(9999+9) \times 99}{(9+9) \times (9+9)} \end{aligned}$$

30558 := $\frac{(11111+1) \times 11}{(1+1) \times (1+1)} = \frac{(22222+2) \times 22}{(2+2) \times (2+2)} = \frac{(33333+3) \times 33}{(3+3) \times (3+3)}$

$$\begin{aligned} &:= \frac{(44444+4) \times 44}{(4+4) \times (4+4)} = \frac{(55555+5) \times 55}{(5+5) \times (5+5)} = \frac{(66666+6) \times 66}{(6+6) \times (6+6)} \\ &:= \frac{(77777+7) \times 77}{(7+7) \times (7+7)} = \frac{(88888+8) \times 88}{(8+8) \times (8+8)} = \frac{(99999+9) \times 99}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{305558} &:= \frac{(111111+1) \times 11}{(1+1) \times (1+1)} = \frac{(222222+2) \times 22}{(2+2) \times (2+2)} = \frac{(333333+3) \times 33}{(3+3) \times (3+3)} \\
 &:= \frac{(444444+4) \times 44}{(4+4) \times (4+4)} = \frac{(555555+5) \times 55}{(5+5) \times (5+5)} = \frac{(666666+6) \times 66}{(6+6) \times (6+6)} \\
 &:= \frac{(777777+7) \times 77}{(7+7) \times (7+7)} = \frac{(888888+8) \times 88}{(8+8) \times (8+8)} = \frac{(999999+9) \times 99}{(9+9) \times (9+9)}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{309} &:= \frac{111+111+111-11-11-1-1}{1} = \frac{222+222+222-22-22-2-2}{2} = \frac{333+333+333-33-33-3-3}{3} \\
 &:= \frac{444+444+444-44-44-4-4}{4} = \frac{555+555+555-55-55-5-5}{5} = \frac{666+666+666-66-66-6-6}{6} \\
 &:= \frac{777+777+777-77-77-7-7}{7} = \frac{888+888+888-88-88-8-8}{8} = \frac{999+999+999-99-99-9-9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{1309} &:= \frac{1111+111+111-11-11-1-1}{1} = \frac{2222+222+222-22-22-2-2}{2} = \frac{3333+333+333-33-33-3-3}{3} \\
 &:= \frac{4444+444+444-44-44-4-4}{4} = \frac{5555+555+555-55-55-5-5}{5} = \frac{6666+666+666-66-66-6-6}{6} \\
 &:= \frac{7777+777+777-77-77-7-7}{7} = \frac{8888+888+888-88-88-8-8}{8} = \frac{9999+999+999-99-99-9-9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{11309} &:= \frac{11111+111+111-11-11-1-1}{1} = \frac{22222+222+222-22-22-2-2}{2} = \frac{33333+333+333-33-33-3-3}{3} \\
 &:= \frac{44444+444+444-44-44-4-4}{4} = \frac{55555+555+555-55-55-5-5}{5} = \frac{66666+666+666-66-66-6-6}{6} \\
 &:= \frac{77777+777+777-77-77-7-7}{7} = \frac{88888+888+888-88-88-8-8}{8} = \frac{99999+999+999-99-99-9-9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{111309} &:= \frac{111111+111+111-11-11-1-1}{1} = \frac{222222+222+222-22-22-2-2}{2} = \frac{333333+333+333-33-33-3-3}{3} \\
 &:= \frac{444444+444+444-44-44-4-4}{4} = \frac{555555+555+555-55-55-5-5}{5} = \frac{666666+666+666-66-66-6-6}{6} \\
 &:= \frac{777777+777+777-77-77-7-7}{7} = \frac{888888+888+888-88-88-8-8}{8} = \frac{999999+999+999-99-99-9-9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{310} &:= \frac{111+111+111-11-11-1}{1} = \frac{222+222+222-22-22-2}{2} = \frac{333+333+333-33-33-3}{3} \\
 &:= \frac{444+444+444-44-44-4}{4} = \frac{555+555+555-55-55-5}{5} = \frac{666+666+666-66-66-6}{6} \\
 &:= \frac{777+777+777-77-77-7}{7} = \frac{888+888+888-88-88-8}{8} = \frac{999+999+999-99-99-9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{1310} &:= \frac{1111+111+111-11-11-1}{1} = \frac{2222+222+222-22-22-2}{2} = \frac{3333+333+333-33-33-3}{3} \\
 &:= \frac{4444+444+444-44-44-4}{4} = \frac{5555+555+555-55-55-5}{5} = \frac{6666+666+666-66-66-6}{6}
 \end{aligned}$$

$$:= \frac{7777 + 777 + 777 - 77 - 77 - 7}{7} = \frac{8888 + 888 + 888 - 88 - 88 - 8}{8} = \frac{9999 + 999 + 999 - 99 - 99 - 9}{9}$$

$$\begin{aligned} \textcolor{red}{11310} &:= \frac{11111 + 111 + 111 - 11 - 11 - 1}{1} = \frac{22222 + 222 + 222 - 22 - 22 - 2}{2} = \frac{33333 + 333 + 333 - 33 - 33 - 3}{3} \\ &:= \frac{44444 + 444 + 444 - 44 - 44 - 4}{4} = \frac{55555 + 555 + 555 - 55 - 55 - 5}{5} = \frac{66666 + 666 + 666 - 66 - 66 - 6}{6} \\ &:= \frac{77777 + 777 + 777 - 77 - 77 - 7}{7} = \frac{88888 + 888 + 888 - 88 - 88 - 8}{8} = \frac{99999 + 999 + 999 - 99 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111310} &:= \frac{111111 + 111 + 111 - 11 - 11 - 1}{1} = \frac{222222 + 222 + 222 - 22 - 22 - 2}{2} = \frac{333333 + 333 + 333 - 33 - 33 - 3}{3} \\ &:= \frac{444444 + 444 + 444 - 44 - 44 - 4}{4} = \frac{555555 + 555 + 555 - 55 - 55 - 5}{5} = \frac{666666 + 666 + 666 - 66 - 66 - 6}{6} \\ &:= \frac{777777 + 777 + 777 - 77 - 77 - 7}{7} = \frac{888888 + 888 + 888 - 88 - 88 - 8}{8} = \frac{999999 + 999 + 999 - 99 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{311} &:= \frac{111 + 111 + 111 - 11 - 11}{1} = \frac{222 + 222 + 222 - 22 - 22}{2} = \frac{333 + 333 + 333 - 33 - 33}{3} \\ &:= \frac{444 + 444 + 444 - 44 - 44}{4} = \frac{555 + 555 + 555 - 55 - 55}{5} = \frac{666 + 666 + 666 - 66 - 66}{6} \\ &:= \frac{777 + 777 + 777 - 77 - 77}{7} = \frac{888 + 888 + 888 - 88 - 88}{8} = \frac{999 + 999 + 999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1311} &:= \frac{1111 + 111 + 111 - 11 - 11}{1} = \frac{2222 + 222 + 222 - 22 - 22}{2} = \frac{3333 + 333 + 333 - 33 - 33}{3} \\ &:= \frac{4444 + 444 + 444 - 44 - 44}{4} = \frac{5555 + 555 + 555 - 55 - 55}{5} = \frac{6666 + 666 + 666 - 66 - 66}{6} \\ &:= \frac{7777 + 777 + 777 - 77 - 77}{7} = \frac{8888 + 888 + 888 - 88 - 88}{8} = \frac{9999 + 999 + 999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11311} &:= \frac{11111 + 111 + 111 - 11 - 11}{1} = \frac{22222 + 222 + 222 - 22 - 22}{2} = \frac{33333 + 333 + 333 - 33 - 33}{3} \\ &:= \frac{44444 + 444 + 444 - 44 - 44}{4} = \frac{55555 + 555 + 555 - 55 - 55}{5} = \frac{66666 + 666 + 666 - 66 - 66}{6} \\ &:= \frac{77777 + 777 + 777 - 77 - 77}{7} = \frac{88888 + 888 + 888 - 88 - 88}{8} = \frac{99999 + 999 + 999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111311} &:= \frac{111111 + 111 + 111 - 11 - 11}{1} = \frac{222222 + 222 + 222 - 22 - 22}{2} = \frac{333333 + 333 + 333 - 33 - 33}{3} \\ &:= \frac{444444 + 444 + 444 - 44 - 44}{4} = \frac{555555 + 555 + 555 - 55 - 55}{5} = \frac{666666 + 666 + 666 - 66 - 66}{6} \\ &:= \frac{777777 + 777 + 777 - 77 - 77}{7} = \frac{888888 + 888 + 888 - 88 - 88}{8} = \frac{999999 + 999 + 999 - 99 - 99}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{312} := \frac{(11 + 11 + 1 + 1) \times (11 + 1 + 1)}{1 \times 1} = \frac{(22 + 22 + 2 + 2) \times (22 + 2 + 2)}{2 \times 2} = \frac{(33 + 33 + 3 + 3) \times (33 + 3 + 3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+44+4+4) \times (44+4+4)}{4 \times 4} = \frac{(55+55+5+5) \times (55+5+5)}{5 \times 5} = \frac{(66+66+6+6) \times (66+6+6)}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (77+7+7)}{7 \times 7} = \frac{(88+88+8+8) \times (88+8+8)}{8 \times 8} = \frac{(99+99+9+9) \times (99+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3192} &:= \frac{(11+11+1+1) \times (111+11+11)}{1 \times 1} = \frac{(22+22+2+2) \times (222+22+22)}{2 \times 2} = \frac{(33+33+3+3) \times (333+33+33)}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (444+44+44)}{4 \times 4} = \frac{(55+55+5+5) \times (555+55+55)}{5 \times 5} = \frac{(66+66+6+6) \times (666+66+66)}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (777+77+77)}{7 \times 7} = \frac{(88+88+8+8) \times (888+88+88)}{8 \times 8} = \frac{(99+99+9+9) \times (999+99+99)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{31992} &:= \frac{(11+11+1+1) \times (1111+111+111)}{1 \times 1} = \frac{(22+22+2+2) \times (2222+222+222)}{2 \times 2} = \frac{(33+33+3+3) \times (3333+333+333)}{3 \times 3} \\ &:= \frac{(44+44+4+4) \times (4444+444+444)}{4 \times 4} = \frac{(55+55+5+5) \times (5555+555+555)}{5 \times 5} = \frac{(66+66+6+6) \times (6666+666+666)}{6 \times 6} \\ &:= \frac{(77+77+7+7) \times (7777+777+777)}{7 \times 7} = \frac{(88+88+8+8) \times (8888+888+888)}{8 \times 8} = \frac{(99+99+9+9) \times (9999+999+999)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{319992} &:= \frac{(1+11+1+1) \times (11111+1111+1111)}{1 \times 1} = \frac{(2+22+2+2) \times (22222+2222+2222)}{2 \times 2} = \frac{(3+33+3+3) \times (33333+3333+3333)}{3 \times 3} \\ &:= \frac{(4+44+4+4) \times (44444+4444+4444)}{4 \times 4} = \frac{(5+55+5+5) \times (55555+5555+5555)}{5 \times 5} = \frac{(6+66+6+6) \times (66666+6666+6666)}{6 \times 6} \\ &:= \frac{(7+77+7+7) \times (77777+7777+7777)}{7 \times 7} = \frac{(8+88+8+8) \times (88888+8888+8888)}{8 \times 8} = \frac{(9+99+9+9) \times (99999+9999+9999)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{313} &:= \frac{1111 \times (1+1) + 111 \times 11}{11 \times 1} = \frac{2222 \times (2+2) + 222 \times 22}{22 \times 2} = \frac{3333 \times (3+3) + 333 \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + 444 \times 44}{44 \times 4} = \frac{5555 \times (5+5) + 555 \times 55}{55 \times 5} = \frac{6666 \times (6+6) + 666 \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + 777 \times 77}{77 \times 7} = \frac{8888 \times (8+8) + 888 \times 88}{88 \times 8} = \frac{9999 \times (9+9) + 999 \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1313} &:= \frac{1111 \times (1+1) + 1111 \times 11}{11 \times 1} = \frac{2222 \times (2+2) + 2222 \times 22}{22 \times 2} = \frac{3333 \times (3+3) + 3333 \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + 4444 \times 44}{44 \times 4} = \frac{5555 \times (5+5) + 5555 \times 55}{55 \times 5} = \frac{6666 \times (6+6) + 6666 \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + 7777 \times 77}{77 \times 7} = \frac{8888 \times (8+8) + 8888 \times 88}{88 \times 8} = \frac{9999 \times (9+9) + 9999 \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11313} &:= \frac{1111 \times (1+1) + 11111 \times 11}{11 \times 1} = \frac{2222 \times (2+2) + 22222 \times 22}{22 \times 2} = \frac{3333 \times (3+3) + 33333 \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + 44444 \times 44}{44 \times 4} = \frac{5555 \times (5+5) + 55555 \times 55}{55 \times 5} = \frac{6666 \times (6+6) + 66666 \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + 77777 \times 77}{77 \times 7} = \frac{8888 \times (8+8) + 88888 \times 88}{88 \times 8} = \frac{9999 \times (9+9) + 99999 \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{111313} &:= \frac{1111 \times (1+1) + 111111 \times 11}{11 \times 1} = \frac{2222 \times (2+2) + 222222 \times 22}{22 \times 2} = \frac{3333 \times (3+3) + 333333 \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + 444444 \times 44}{44 \times 4} = \frac{5555 \times (5+5) + 555555 \times 55}{55 \times 5} = \frac{6666 \times (6+6) + 666666 \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + 777777 \times 77}{77 \times 7} = \frac{8888 \times (8+8) + 888888 \times 88}{88 \times 8} = \frac{9999 \times (9+9) + 999999 \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{314} &:= \frac{1111 \times (1+1) + (111+1) \times 11}{11 \times 1} = \frac{2222 \times (2+2) + (222+2) \times 22}{22 \times 2} = \frac{3333 \times (3+3) + (333+3) \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + (444+4) \times 44}{44 \times 4} = \frac{5555 \times (5+5) + (555+5) \times 55}{55 \times 5} = \frac{6666 \times (6+6) + (666+6) \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + (777+7) \times 77}{77 \times 7} = \frac{8888 \times (8+8) + (888+8) \times 88}{88 \times 8} = \frac{9999 \times (9+9) + (999+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1314} &:= \frac{1111 \times (1+1) + (1111+1) \times 11}{11 \times 1} = \frac{2222 \times (2+2) + (2222+2) \times 22}{22 \times 2} = \frac{3333 \times (3+3) + (3333+3) \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + (4444+4) \times 44}{44 \times 4} = \frac{5555 \times (5+5) + (5555+5) \times 55}{55 \times 5} = \frac{6666 \times (6+6) + (6666+6) \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + (7777+7) \times 77}{77 \times 7} = \frac{8888 \times (8+8) + (8888+8) \times 88}{88 \times 8} = \frac{9999 \times (9+9) + (9999+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{11314} &:= \frac{1111 \times (1+1) + (11111+1) \times 11}{11 \times 1} = \frac{2222 \times (2+2) + (22222+2) \times 22}{22 \times 2} = \frac{3333 \times (3+3) + (33333+3) \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + (44444+4) \times 44}{44 \times 4} = \frac{5555 \times (5+5) + (55555+5) \times 55}{55 \times 5} = \frac{6666 \times (6+6) + (66666+6) \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + (77777+7) \times 77}{77 \times 7} = \frac{8888 \times (8+8) + (88888+8) \times 88}{88 \times 8} = \frac{9999 \times (9+9) + (99999+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{111314} &:= \frac{1111 \times (1+1) + (111111+1) \times 11}{11 \times 1} = \frac{2222 \times (2+2) + (222222+2) \times 22}{22 \times 2} = \frac{3333 \times (3+3) + (333333+3) \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + (444444+4) \times 44}{44 \times 4} = \frac{5555 \times (5+5) + (555555+5) \times 55}{55 \times 5} = \frac{6666 \times (6+6) + (666666+6) \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + (777777+7) \times 77}{77 \times 7} = \frac{8888 \times (8+8) + (888888+8) \times 88}{88 \times 8} = \frac{9999 \times (9+9) + (999999+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{315} &:= \frac{1111 \times (1+1) + (111+1+1) \times 11}{11 \times 1} = \frac{2222 \times (2+2) + (222+2+2) \times 22}{22 \times 2} = \frac{3333 \times (3+3) + (333+3+3) \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + (444+4+4) \times 44}{44 \times 4} = \frac{5555 \times (5+5) + (555+5+5) \times 55}{55 \times 5} = \frac{6666 \times (6+6) + (666+6+6) \times 66}{66 \times 6} \\ &:= \frac{7777 \times (7+7) + (777+7+7) \times 77}{77 \times 7} = \frac{8888 \times (8+8) + (888+8+8) \times 88}{88 \times 8} = \frac{9999 \times (9+9) + (999+9+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1315} &:= \frac{1111 \times (1+1) + (1111+1+1) \times 11}{11 \times 1} = \frac{2222 \times (2+2) + (2222+2+2) \times 22}{22 \times 2} = \frac{3333 \times (3+3) + (3333+3+3) \times 33}{33 \times 3} \\ &:= \frac{4444 \times (4+4) + (4444+4+4) \times 44}{44 \times 4} = \frac{5555 \times (5+5) + (5555+5+5) \times 55}{55 \times 5} = \frac{6666 \times (6+6) + (6666+6+6) \times 66}{66 \times 6} \end{aligned}$$

$$:= \frac{7777 \times (7 + 7) + (7777 + 7 + 7) \times 77}{77 \times 7} = \frac{8888 \times (8 + 8) + (8888 + 8 + 8) \times 88}{88 \times 8} = \frac{9999 \times (9 + 9) + (9999 + 9 + 9) \times 99}{99 \times 9}$$

11315 := $\frac{1111 \times (1 + 1) + (11111 + 1 + 1) \times 11}{11 \times 1} = \frac{2222 \times (2 + 2) + (22222 + 2 + 2) \times 22}{22 \times 2} = \frac{3333 \times (3 + 3) + (33333 + 3 + 3) \times 33}{33 \times 3}$

$$:= \frac{4444 \times (4 + 4) + (44444 + 4 + 4) \times 44}{44 \times 4} = \frac{5555 \times (5 + 5) + (55555 + 5 + 5) \times 55}{55 \times 5} = \frac{6666 \times (6 + 6) + (66666 + 6 + 6) \times 66}{66 \times 6}$$
$$:= \frac{7777 \times (7 + 7) + (77777 + 7 + 7) \times 77}{77 \times 7} = \frac{8888 \times (8 + 8) + (88888 + 8 + 8) \times 88}{88 \times 8} = \frac{9999 \times (9 + 9) + (99999 + 9 + 9) \times 99}{99 \times 9}$$

111315 := $\frac{1111 \times (1 + 1) + (1111111 + 1 + 1) \times 11}{11 \times 1} = \frac{2222 \times (2 + 2) + (2222222 + 2 + 2) \times 22}{22 \times 2} = \frac{3333 \times (3 + 3) + (3333333 + 3 + 3) \times 33}{33 \times 3}$

$$:= \frac{4444 \times (4 + 4) + (4444444 + 4 + 4) \times 44}{44 \times 4} = \frac{5555 \times (5 + 5) + (5555555 + 5 + 5) \times 55}{55 \times 5} = \frac{6666 \times (6 + 6) + (6666666 + 6 + 6) \times 66}{66 \times 6}$$
$$:= \frac{7777 \times (7 + 7) + (7777777 + 7 + 7) \times 77}{77 \times 7} = \frac{8888 \times (8 + 8) + (8888888 + 8 + 8) \times 88}{88 \times 8} = \frac{9999 \times (9 + 9) + (9999999 + 9 + 9) \times 99}{99 \times 9}$$

► **316** := $\frac{1111 \times (1 + 1) + (111 + 1 + 1 + 1) \times 11}{11 \times 1} = \frac{2222 \times (2 + 2) + (222 + 2 + 2 + 2) \times 22}{22 \times 2} = \frac{3333 \times (3 + 3) + (333 + 3 + 3 + 3) \times 33}{33 \times 3}$

$$:= \frac{4444 \times (4 + 4) + (444 + 4 + 4 + 4) \times 44}{44 \times 4} = \frac{5555 \times (5 + 5) + (555 + 5 + 5 + 5) \times 55}{55 \times 5} = \frac{6666 \times (6 + 6) + (666 + 6 + 6 + 6) \times 66}{66 \times 6}$$
$$:= \frac{7777 \times (7 + 7) + (777 + 7 + 7 + 7) \times 77}{77 \times 7} = \frac{8888 \times (8 + 8) + (888 + 8 + 8 + 8) \times 88}{88 \times 8} = \frac{9999 \times (9 + 9) + (999 + 9 + 9 + 9) \times 99}{99 \times 9}$$

1316 := $\frac{1111 \times (1 + 1) + (1111 + 1 + 1 + 1) \times 11}{11 \times 1} = \frac{2222 \times (2 + 2) + (2222 + 2 + 2 + 2) \times 22}{22 \times 2} = \frac{3333 \times (3 + 3) + (3333 + 3 + 3 + 3) \times 33}{33 \times 3}$

$$:= \frac{4444 \times (4 + 4) + (4444 + 4 + 4 + 4) \times 44}{44 \times 4} = \frac{5555 \times (5 + 5) + (5555 + 5 + 5 + 5) \times 55}{55 \times 5} = \frac{6666 \times (6 + 6) + (6666 + 6 + 6 + 6) \times 66}{66 \times 6}$$
$$:= \frac{7777 \times (7 + 7) + (7777 + 7 + 7 + 7) \times 77}{77 \times 7} = \frac{8888 \times (8 + 8) + (8888 + 8 + 8 + 8) \times 88}{88 \times 8} = \frac{9999 \times (9 + 9) + (9999 + 9 + 9 + 9) \times 99}{99 \times 9}$$

11316 := $\frac{1111 \times (1 + 1) + (11111 + 1 + 1 + 1) \times 11}{11 \times 1} = \frac{2222 \times (2 + 2) + (22222 + 2 + 2 + 2) \times 22}{22 \times 2} = \frac{3333 \times (3 + 3) + (33333 + 3 + 3 + 3) \times 33}{33 \times 3}$

$$:= \frac{4444 \times (4 + 4) + (44444 + 4 + 4 + 4) \times 44}{44 \times 4} = \frac{5555 \times (5 + 5) + (55555 + 5 + 5 + 5) \times 55}{55 \times 5} = \frac{6666 \times (6 + 6) + (66666 + 6 + 6 + 6) \times 66}{66 \times 6}$$
$$:= \frac{7777 \times (7 + 7) + (77777 + 7 + 7 + 7) \times 77}{77 \times 7} = \frac{8888 \times (8 + 8) + (88888 + 8 + 8 + 8) \times 88}{88 \times 8} = \frac{9999 \times (9 + 9) + (99999 + 9 + 9 + 9) \times 99}{99 \times 9}$$

111316 := $\frac{1111 \times (1 + 1) + (1111111 + 1 + 1 + 1) \times 11}{11 \times 1} = \frac{2222 \times (2 + 2) + (2222222 + 2 + 2 + 2) \times 22}{22 \times 2} = \frac{3333 \times (3 + 3) + (3333333 + 3 + 3 + 3) \times 33}{33 \times 3}$

$$:= \frac{4444 \times (4 + 4) + (4444444 + 4 + 4 + 4) \times 44}{44 \times 4} = \frac{5555 \times (5 + 5) + (5555555 + 5 + 5 + 5) \times 55}{55 \times 5} = \frac{6666 \times (6 + 6) + (6666666 + 6 + 6 + 6) \times 66}{66 \times 6}$$
$$:= \frac{7777 \times (7 + 7) + (7777777 + 7 + 7 + 7) \times 77}{77 \times 7} = \frac{8888 \times (8 + 8) + (8888888 + 8 + 8 + 8) \times 88}{88 \times 8} = \frac{9999 \times (9 + 9) + (9999999 + 9 + 9 + 9) \times 99}{99 \times 9}$$

► **317** := $\frac{(1111 + 11) \times (1 + 1 + 1) + 11 \times 11}{1 \times 11} = \frac{(2222 + 22) \times (2 + 2 + 2) + 22 \times 22}{2 \times 22} = \frac{(3333 + 33) \times (3 + 3 + 3) + 33 \times 33}{3 \times 33}$

$$\begin{aligned} &:= \frac{(4444 + 44) \times (4 + 4 + 4) + 44 \times 44}{4 \times 44} = \frac{(5555 + 55) \times (5 + 5 + 5) + 55 \times 55}{5 \times 55} = \frac{(6666 + 66) \times (6 + 6 + 6) + 66 \times 66}{6 \times 66} \\ &:= \frac{(7777 + 77) \times (7 + 7 + 7) + 77 \times 77}{7 \times 77} = \frac{(8888 + 88) \times (8 + 8 + 8) + 88 \times 88}{8 \times 88} = \frac{(9999 + 99) \times (9 + 9 + 9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{30317} &:= \frac{(111111 + 11) \times (1 + 1 + 1) + 11 \times 11}{1 \times 11} = \frac{(222222 + 22) \times (2 + 2 + 2) + 22 \times 22}{2 \times 22} = \frac{(333333 + 33) \times (3 + 3 + 3) + 33 \times 33}{3 \times 33} \\ &:= \frac{(444444 + 44) \times (4 + 4 + 4) + 44 \times 44}{4 \times 44} = \frac{(555555 + 55) \times (5 + 5 + 5) + 55 \times 55}{5 \times 55} = \frac{(666666 + 66) \times (6 + 6 + 6) + 66 \times 66}{6 \times 66} \\ &:= \frac{(777777 + 77) \times (7 + 7 + 7) + 77 \times 77}{7 \times 77} = \frac{(888888 + 88) \times (8 + 8 + 8) + 88 \times 88}{8 \times 88} = \frac{(999999 + 99) \times (9 + 9 + 9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3030317} &:= \frac{(11111111 + 11) \times (1 + 1 + 1) + 11 \times 11}{1 \times 11} = \frac{(22222222 + 22) \times (2 + 2 + 2) + 22 \times 22}{2 \times 22} = \frac{(33333333 + 33) \times (3 + 3 + 3) + 33 \times 33}{3 \times 33} \\ &:= \frac{(44444444 + 44) \times (4 + 4 + 4) + 44 \times 44}{4 \times 44} = \frac{(55555555 + 55) \times (5 + 5 + 5) + 55 \times 55}{5 \times 55} = \frac{(66666666 + 66) \times (6 + 6 + 6) + 66 \times 66}{6 \times 66} \\ &:= \frac{(77777777 + 77) \times (7 + 7 + 7) + 77 \times 77}{7 \times 77} = \frac{(88888888 + 88) \times (8 + 8 + 8) + 88 \times 88}{8 \times 88} = \frac{(99999999 + 99) \times (9 + 9 + 9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{303030317} &:= \frac{(1111111111 + 11) \times (1 + 1 + 1) + 11 \times 11}{1 \times 11} = \frac{(2222222222 + 22) \times (2 + 2 + 2) + 22 \times 22}{2 \times 22} = \frac{(3333333333 + 33) \times (3 + 3 + 3) + 33 \times 33}{3 \times 33} \\ &:= \frac{(4444444444 + 44) \times (4 + 4 + 4) + 44 \times 44}{4 \times 44} = \frac{(5555555555 + 55) \times (5 + 5 + 5) + 55 \times 55}{5 \times 55} = \frac{(6666666666 + 66) \times (6 + 6 + 6) + 66 \times 66}{6 \times 66} \\ &:= \frac{(7777777777 + 77) \times (7 + 7 + 7) + 77 \times 77}{7 \times 77} = \frac{(8888888888 + 88) \times (8 + 8 + 8) + 88 \times 88}{8 \times 88} = \frac{(9999999999 + 99) \times (9 + 9 + 9) + 99 \times 99}{9 \times 99} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{318} &:= \frac{(111 - 1) \times (1 + 1 + 1) - (11 + 1) \times 1}{1 \times 1} = \frac{(222 - 2) \times (2 + 2 + 2) - (22 + 2) \times 2}{2 \times 2} = \frac{(333 - 3) \times (3 + 3 + 3) - (33 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444 - 4) \times (4 + 4 + 4) - (44 + 4) \times 4}{4 \times 4} = \frac{(555 - 5) \times (5 + 5 + 5) - (55 + 5) \times 5}{5 \times 5} = \frac{(666 - 6) \times (6 + 6 + 6) - (66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 - 7) \times (7 + 7 + 7) - (77 + 7) \times 7}{7 \times 7} = \frac{(888 - 8) \times (8 + 8 + 8) - (88 + 8) \times 8}{8 \times 8} = \frac{(999 - 9) \times (9 + 9 + 9) - (99 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3318} &:= \frac{(1111 - 1) \times (1 + 1 + 1) - (11 + 1) \times 1}{1 \times 1} = \frac{(2222 - 2) \times (2 + 2 + 2) - (22 + 2) \times 2}{2 \times 2} = \frac{(3333 - 3) \times (3 + 3 + 3) - (33 + 3) \times 3}{3 \times 3} \\ &:= \frac{(4444 - 4) \times (4 + 4 + 4) - (44 + 4) \times 4}{4 \times 4} = \frac{(5555 - 5) \times (5 + 5 + 5) - (55 + 5) \times 5}{5 \times 5} = \frac{(6666 - 6) \times (6 + 6 + 6) - (66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(7777 - 7) \times (7 + 7 + 7) - (77 + 7) \times 7}{7 \times 7} = \frac{(8888 - 8) \times (8 + 8 + 8) - (88 + 8) \times 8}{8 \times 8} = \frac{(9999 - 9) \times (9 + 9 + 9) - (99 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33318} &:= \frac{(11111 - 1) \times (1 + 1 + 1) - (11 + 1) \times 1}{1 \times 1} = \frac{(22222 - 2) \times (2 + 2 + 2) - (22 + 2) \times 2}{2 \times 2} = \frac{(33333 - 3) \times (3 + 3 + 3) - (33 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44444 - 4) \times (4 + 4 + 4) - (44 + 4) \times 4}{4 \times 4} = \frac{(55555 - 5) \times (5 + 5 + 5) - (55 + 5) \times 5}{5 \times 5} = \frac{(66666 - 6) \times (6 + 6 + 6) - (66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7) \times (7 + 7 + 7) - (77 + 7) \times 7}{7 \times 7} = \frac{(88888 - 8) \times (8 + 8 + 8) - (88 + 8) \times 8}{8 \times 8} = \frac{(99999 - 9) \times (9 + 9 + 9) - (99 + 9) \times 9}{9 \times 9} \end{aligned}$$

333318 :=
$$\frac{(111111-1) \times (1+1+1) - (11+1) \times 1}{1 \times 1} = \frac{(222222-2) \times (2+2+2) - (22+2) \times 2}{2 \times 2} = \frac{(333333-3) \times (3+3+3) - (33+3) \times 3}{3 \times 3}$$
$$:= \frac{(444444-4) \times (4+4+4) - (44+4) \times 4}{4 \times 4} = \frac{(555555-5) \times (5+5+5) - (55+5) \times 5}{5 \times 5} = \frac{(666666-6) \times (6+6+6) - (66+6) \times 6}{6 \times 6}$$
$$:= \frac{(777777-7) \times (7+7+7) - (77+7) \times 7}{7 \times 7} = \frac{(888888-8) \times (8+8+8) - (88+8) \times 8}{8 \times 8} = \frac{(999999-9) \times (9+9+9) - (99+9) \times 9}{9 \times 9}$$

319 :=
$$\frac{(111-1) \times (1+1+1) - 11 \times 1}{1 \times 1} = \frac{(222-2) \times (2+2+2) - 22 \times 2}{2 \times 2} = \frac{(333-3) \times (3+3+3) - 33 \times 3}{3 \times 3}$$
$$:= \frac{(444-4) \times (4+4+4) - 44 \times 4}{4 \times 4} = \frac{(555-5) \times (5+5+5) - 55 \times 5}{5 \times 5} = \frac{(666-6) \times (6+6+6) - 66 \times 6}{6 \times 6}$$
$$:= \frac{(777-7) \times (7+7+7) - 77 \times 7}{7 \times 7} = \frac{(888-8) \times (8+8+8) - 88 \times 8}{8 \times 8} = \frac{(999-9) \times (9+9+9) - 99 \times 9}{9 \times 9}$$

3319 :=
$$\frac{(1111-1) \times (1+1+1) - 11 \times 1}{1 \times 1} = \frac{(2222-2) \times (2+2+2) - 22 \times 2}{2 \times 2} = \frac{(3333-3) \times (3+3+3) - 33 \times 3}{3 \times 3}$$
$$:= \frac{(4444-4) \times (4+4+4) - 44 \times 4}{4 \times 4} = \frac{(5555-5) \times (5+5+5) - 55 \times 5}{5 \times 5} = \frac{(6666-6) \times (6+6+6) - 66 \times 6}{6 \times 6}$$
$$:= \frac{(7777-7) \times (7+7+7) - 77 \times 7}{7 \times 7} = \frac{(8888-8) \times (8+8+8) - 88 \times 8}{8 \times 8} = \frac{(9999-9) \times (9+9+9) - 99 \times 9}{9 \times 9}$$

33319 :=
$$\frac{(11111-1) \times (1+1+1) - 11 \times 1}{1 \times 1} = \frac{(22222-2) \times (2+2+2) - 22 \times 2}{2 \times 2} = \frac{(33333-3) \times (3+3+3) - 33 \times 3}{3 \times 3}$$
$$:= \frac{(44444-4) \times (4+4+4) - 44 \times 4}{4 \times 4} = \frac{(55555-5) \times (5+5+5) - 55 \times 5}{5 \times 5} = \frac{(66666-6) \times (6+6+6) - 66 \times 6}{6 \times 6}$$
$$:= \frac{(77777-7) \times (7+7+7) - 77 \times 7}{7 \times 7} = \frac{(88888-8) \times (8+8+8) - 88 \times 8}{8 \times 8} = \frac{(99999-9) \times (9+9+9) - 99 \times 9}{9 \times 9}$$

333319 :=
$$\frac{(111111-1) \times (1+1+1) - 11 \times 1}{1 \times 1} = \frac{(222222-2) \times (2+2+2) - 22 \times 2}{2 \times 2} = \frac{(333333-3) \times (3+3+3) - 33 \times 3}{3 \times 3}$$
$$:= \frac{(444444-4) \times (4+4+4) - 44 \times 4}{4 \times 4} = \frac{(555555-5) \times (5+5+5) - 55 \times 5}{5 \times 5} = \frac{(666666-6) \times (6+6+6) - 66 \times 6}{6 \times 6}$$
$$:= \frac{(777777-7) \times (7+7+7) - 77 \times 7}{7 \times 7} = \frac{(888888-8) \times (8+8+8) - 88 \times 8}{8 \times 8} = \frac{(999999-9) \times (9+9+9) - 99 \times 9}{9 \times 9}$$

320 :=
$$\frac{111+111+111-11-1-1}{1} = \frac{222+222+222-22-2-2}{2} = \frac{333+333+333-33-3-3}{3}$$
$$:= \frac{444+444+444-44-4-4}{4} = \frac{555+555+555-55-5-5}{5} = \frac{666+666+666-66-6-6}{6}$$
$$:= \frac{777+777+777-77-7-7}{7} = \frac{888+888+888-88-8-8}{8} = \frac{999+999+999-99-9-9}{9}$$

1320 :=
$$\frac{1111+111+111-11-1-1}{1} = \frac{2222+222+222-22-2-2}{2} = \frac{3333+333+333-33-3-3}{3}$$
$$:= \frac{4444+444+444-44-4-4}{4} = \frac{5555+555+555-55-5-5}{5} = \frac{6666+666+666-66-6-6}{6}$$

$$:= \frac{7777 + 777 + 777 - 77 - 7 - 7}{7} = \frac{8888 + 888 + 888 - 88 - 8 - 8}{8} = \frac{9999 + 999 + 999 - 99 - 9 - 9}{9}$$

11320 := $\frac{11111 + 111 + 111 - 11 - 1 - 1}{1} = \frac{22222 + 222 + 222 - 22 - 2 - 2}{2} = \frac{33333 + 333 + 333 - 33 - 3 - 3}{3}$

$$:= \frac{44444 + 444 + 444 - 44 - 4 - 4}{4} = \frac{55555 + 555 + 555 - 55 - 5 - 5}{5} = \frac{66666 + 666 + 666 - 66 - 6 - 6}{6}$$
$$:= \frac{77777 + 777 + 777 - 77 - 7 - 7}{7} = \frac{88888 + 888 + 888 - 88 - 8 - 8}{8} = \frac{99999 + 999 + 999 - 99 - 9 - 9}{9}$$

111320 := $\frac{111111 + 111 + 111 - 11 - 1 - 1}{1} = \frac{222222 + 222 + 222 - 22 - 2 - 2}{2} = \frac{333333 + 333 + 333 - 33 - 3 - 3}{3}$

$$:= \frac{444444 + 444 + 444 - 44 - 4 - 4}{4} = \frac{555555 + 555 + 555 - 55 - 5 - 5}{5} = \frac{666666 + 666 + 666 - 66 - 6 - 6}{6}$$
$$:= \frac{777777 + 777 + 777 - 77 - 7 - 7}{7} = \frac{888888 + 888 + 888 - 88 - 8 - 8}{8} = \frac{999999 + 999 + 999 - 99 - 9 - 9}{9}$$

► **321** := $\frac{111 + 111 + 111 - 11 - 1}{1} = \frac{222 + 222 + 222 - 22 - 2}{2} = \frac{333 + 333 + 333 - 33 - 3}{3}$

$$:= \frac{444 + 444 + 444 - 44 - 4}{4} = \frac{555 + 555 + 555 - 55 - 5}{5} = \frac{666 + 666 + 666 - 66 - 6}{6}$$
$$:= \frac{777 + 777 + 777 - 77 - 7}{7} = \frac{888 + 888 + 888 - 88 - 8}{8} = \frac{999 + 999 + 999 - 99 - 9}{9}$$

1321 := $\frac{1111 + 111 + 111 - 11 - 1}{1} = \frac{2222 + 222 + 222 - 22 - 2}{2} = \frac{3333 + 333 + 333 - 33 - 3}{3}$

$$:= \frac{4444 + 444 + 444 - 44 - 4}{4} = \frac{5555 + 555 + 555 - 55 - 5}{5} = \frac{6666 + 666 + 666 - 66 - 6}{6}$$
$$:= \frac{7777 + 777 + 777 - 77 - 7}{7} = \frac{8888 + 888 + 888 - 88 - 8}{8} = \frac{9999 + 999 + 999 - 99 - 9}{9}$$

11321 := $\frac{11111 + 111 + 111 - 11 - 1}{1} = \frac{22222 + 222 + 222 - 22 - 2}{2} = \frac{33333 + 333 + 333 - 33 - 3}{3}$

$$:= \frac{44444 + 444 + 444 - 44 - 4}{4} = \frac{55555 + 555 + 555 - 55 - 5}{5} = \frac{66666 + 666 + 666 - 66 - 6}{6}$$
$$:= \frac{77777 + 777 + 777 - 77 - 7}{7} = \frac{88888 + 888 + 888 - 88 - 8}{8} = \frac{99999 + 999 + 999 - 99 - 9}{9}$$

111321 := $\frac{111111 + 111 + 111 - 11 - 1}{1} = \frac{222222 + 222 + 222 - 22 - 2}{2} = \frac{333333 + 333 + 333 - 33 - 3}{3}$

$$:= \frac{444444 + 444 + 444 - 44 - 4}{4} = \frac{555555 + 555 + 555 - 55 - 5}{5} = \frac{666666 + 666 + 666 - 66 - 6}{6}$$
$$:= \frac{777777 + 777 + 777 - 77 - 7}{7} = \frac{888888 + 888 + 888 - 88 - 8}{8} = \frac{999999 + 999 + 999 - 99 - 9}{9}$$

► **322** := $\frac{111 + 111 + 111 - 11}{1} = \frac{222 + 222 + 222 - 22}{2} = \frac{333 + 333 + 333 - 33}{3}$

$$\begin{aligned} &:= \frac{444 + 444 + 444 - 44}{4} = \frac{555 + 555 + 555 - 55}{5} = \frac{666 + 666 + 666 - 66}{6} \\ &:= \frac{777 + 777 + 777 - 77}{7} = \frac{888 + 888 + 888 - 88}{8} = \frac{999 + 999 + 999 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1322} &:= \frac{1111 + 111 + 111 - 11}{1} = \frac{2222 + 222 + 222 - 22}{2} = \frac{3333 + 333 + 333 - 33}{3} \\ &:= \frac{4444 + 444 + 444 - 44}{4} = \frac{5555 + 555 + 555 - 55}{5} = \frac{6666 + 666 + 666 - 66}{6} \\ &:= \frac{7777 + 777 + 777 - 77}{7} = \frac{8888 + 888 + 888 - 88}{8} = \frac{9999 + 999 + 999 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11322} &:= \frac{11111 + 111 + 111 - 11}{1} = \frac{22222 + 222 + 222 - 22}{2} = \frac{33333 + 333 + 333 - 33}{3} \\ &:= \frac{44444 + 444 + 444 - 44}{4} = \frac{55555 + 555 + 555 - 55}{5} = \frac{66666 + 666 + 666 - 66}{6} \\ &:= \frac{77777 + 777 + 777 - 77}{7} = \frac{88888 + 888 + 888 - 88}{8} = \frac{99999 + 999 + 999 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111322} &:= \frac{111111 + 111 + 111 - 11}{1} = \frac{222222 + 222 + 222 - 22}{2} = \frac{333333 + 333 + 333 - 33}{3} \\ &:= \frac{444444 + 444 + 444 - 44}{4} = \frac{555555 + 555 + 555 - 55}{5} = \frac{666666 + 666 + 666 - 66}{6} \\ &:= \frac{777777 + 777 + 777 - 77}{7} = \frac{888888 + 888 + 888 - 88}{8} = \frac{999999 + 999 + 999 - 99}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{323} &:= \frac{111 + 111 + 111 - 11 + 1}{1} = \frac{222 + 222 + 222 - 22 + 2}{2} = \frac{333 + 333 + 333 - 33 + 3}{3} \\ &:= \frac{444 + 444 + 444 - 44 + 4}{4} = \frac{555 + 555 + 555 - 55 + 5}{5} = \frac{666 + 666 + 666 - 66 + 6}{6} \\ &:= \frac{777 + 777 + 777 - 77 + 7}{7} = \frac{888 + 888 + 888 - 88 + 8}{8} = \frac{999 + 999 + 999 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1323} &:= \frac{1111 + 111 + 111 - 11 + 1}{1} = \frac{2222 + 222 + 222 - 22 + 2}{2} = \frac{3333 + 333 + 333 - 33 + 3}{3} \\ &:= \frac{4444 + 444 + 444 - 44 + 4}{4} = \frac{5555 + 555 + 555 - 55 + 5}{5} = \frac{6666 + 666 + 666 - 66 + 6}{6} \\ &:= \frac{7777 + 777 + 777 - 77 + 7}{7} = \frac{8888 + 888 + 888 - 88 + 8}{8} = \frac{9999 + 999 + 999 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11323} &:= \frac{11111 + 111 + 111 - 11 + 1}{1} = \frac{22222 + 222 + 222 - 22 + 2}{2} = \frac{33333 + 333 + 333 - 33 + 3}{3} \\ &:= \frac{44444 + 444 + 444 - 44 + 4}{4} = \frac{55555 + 555 + 555 - 55 + 5}{5} = \frac{66666 + 666 + 666 - 66 + 6}{6} \\ &:= \frac{77777 + 777 + 777 - 77 + 7}{7} = \frac{88888 + 888 + 888 - 88 + 8}{8} = \frac{99999 + 999 + 999 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{111323} &:= \frac{111111 + 111 + 111 - 11 + 1}{1} = \frac{222222 + 222 + 222 - 22 + 2}{2} = \frac{333333 + 333 + 333 - 33 + 3}{3} \\
 &:= \frac{444444 + 444 + 444 - 44 + 4}{4} = \frac{555555 + 555 + 555 - 55 + 5}{5} = \frac{666666 + 666 + 666 - 66 + 6}{6} \\
 &:= \frac{777777 + 777 + 777 - 77 + 7}{7} = \frac{888888 + 888 + 888 - 88 + 8}{8} = \frac{999999 + 999 + 999 - 99 + 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{324} &:= \frac{(111 + 1) \times (1 + 1 + 1) - 11 \times 1}{1 \times 1} = \frac{(222 + 2) \times (2 + 2 + 2) - 22 \times 2}{2 \times 2} = \frac{(333 + 3) \times (3 + 3 + 3) - 33 \times 3}{3 \times 3} \\
 &:= \frac{(444 + 4) \times (4 + 4 + 4) - 44 \times 4}{4 \times 4} = \frac{(555 + 5) \times (5 + 5 + 5) - 55 \times 5}{5 \times 5} = \frac{(666 + 6) \times (6 + 6 + 6) - 66 \times 6}{6 \times 6} \\
 &:= \frac{(777 + 7) \times (7 + 7 + 7) - 77 \times 7}{7 \times 7} = \frac{(888 + 8) \times (8 + 8 + 8) - 88 \times 8}{8 \times 8} = \frac{(999 + 9) \times (9 + 9 + 9) - 99 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{3324} &:= \frac{(1111 + 1) \times (1 + 1 + 1) - 11 \times 1}{1 \times 1} = \frac{(2222 + 2) \times (2 + 2 + 2) - 22 \times 2}{2 \times 2} = \frac{(3333 + 3) \times (3 + 3 + 3) - 33 \times 3}{3 \times 3} \\
 &:= \frac{(4444 + 4) \times (4 + 4 + 4) - 44 \times 4}{4 \times 4} = \frac{(5555 + 5) \times (5 + 5 + 5) - 55 \times 5}{5 \times 5} = \frac{(6666 + 6) \times (6 + 6 + 6) - 66 \times 6}{6 \times 6} \\
 &:= \frac{(7777 + 7) \times (7 + 7 + 7) - 77 \times 7}{7 \times 7} = \frac{(8888 + 8) \times (8 + 8 + 8) - 88 \times 8}{8 \times 8} = \frac{(9999 + 9) \times (9 + 9 + 9) - 99 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{33324} &:= \frac{(11111 + 1) \times (1 + 1 + 1) - 11 \times 1}{1 \times 1} = \frac{(22222 + 2) \times (2 + 2 + 2) - 22 \times 2}{2 \times 2} = \frac{(33333 + 3) \times (3 + 3 + 3) - 33 \times 3}{3 \times 3} \\
 &:= \frac{(44444 + 4) \times (4 + 4 + 4) - 44 \times 4}{4 \times 4} = \frac{(55555 + 5) \times (5 + 5 + 5) - 55 \times 5}{5 \times 5} = \frac{(66666 + 6) \times (6 + 6 + 6) - 66 \times 6}{6 \times 6} \\
 &:= \frac{(77777 + 7) \times (7 + 7 + 7) - 77 \times 7}{7 \times 7} = \frac{(88888 + 8) \times (8 + 8 + 8) - 88 \times 8}{8 \times 8} = \frac{(99999 + 9) \times (9 + 9 + 9) - 99 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{333324} &:= \frac{(111111 + 1) \times (1 + 1 + 1) - 11 \times 1}{1 \times 1} = \frac{(222222 + 2) \times (2 + 2 + 2) - 22 \times 2}{2 \times 2} = \frac{(333333 + 3) \times (3 + 3 + 3) - 33 \times 3}{3 \times 3} \\
 &:= \frac{(444444 + 4) \times (4 + 4 + 4) - 44 \times 4}{4 \times 4} = \frac{(555555 + 5) \times (5 + 5 + 5) - 55 \times 5}{5 \times 5} = \frac{(666666 + 6) \times (6 + 6 + 6) - 66 \times 6}{6 \times 6} \\
 &:= \frac{(777777 + 7) \times (7 + 7 + 7) - 77 \times 7}{7 \times 7} = \frac{(888888 + 8) \times (8 + 8 + 8) - 88 \times 8}{8 \times 8} = \frac{(999999 + 9) \times (9 + 9 + 9) - 99 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{325} &:= \frac{(111 + 1) \times (1 + 1 + 1) - 11 \times 1}{1 \times 1} = \frac{(222 + 2) \times (2 + 2 + 2) - 22 \times 2}{2 \times 2} = \frac{(333 + 3) \times (3 + 3 + 3) - 33 \times 3}{3 \times 3} \\
 &:= \frac{(444 + 4) \times (4 + 4 + 4) - 44 \times 4}{4 \times 4} = \frac{(555 + 5) \times (5 + 5 + 5) - 55 \times 5}{5 \times 5} = \frac{(666 + 6) \times (6 + 6 + 6) - 66 \times 6}{6 \times 6} \\
 &:= \frac{(777 + 7) \times (7 + 7 + 7) - 77 \times 7}{7 \times 7} = \frac{(888 + 8) \times (8 + 8 + 8) - 88 \times 8}{8 \times 8} = \frac{(999 + 9) \times (9 + 9 + 9) - 99 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{3325} &:= \frac{(1111 + 1) \times (1 + 1 + 1) - 11 \times 1}{1 \times 1} = \frac{(2222 + 2) \times (2 + 2 + 2) - 22 \times 2}{2 \times 2} = \frac{(3333 + 3) \times (3 + 3 + 3) - 33 \times 3}{3 \times 3} \\
 &:= \frac{(4444 + 4) \times (4 + 4 + 4) - 44 \times 4}{4 \times 4} = \frac{(5555 + 5) \times (5 + 5 + 5) - 55 \times 5}{5 \times 5} = \frac{(6666 + 6) \times (6 + 6 + 6) - 66 \times 6}{6 \times 6}
 \end{aligned}$$

$$:= \frac{(7777 + 7) \times (7 + 7 + 7) - 77 \times 7}{7 \times 7} = \frac{(8888 + 8) \times (8 + 8 + 8) - 88 \times 8}{8 \times 8} = \frac{(9999 + 9) \times (9 + 9 + 9) - 99 \times 9}{9 \times 9}$$

$$\begin{aligned} \mathbf{33325} &:= \frac{(11111 + 1) \times (1 + 1 + 1) - 11 \times 1}{1 \times 1} = \frac{(22222 + 2) \times (2 + 2 + 2) - 22 \times 2}{2 \times 2} = \frac{(33333 + 3) \times (3 + 3 + 3) - 33 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 4) \times (4 + 4 + 4) - 44 \times 4}{4 \times 4} = \frac{(55555 + 5) \times (5 + 5 + 5) - 55 \times 5}{5 \times 5} = \frac{(66666 + 6) \times (6 + 6 + 6) - 66 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 7) \times (7 + 7 + 7) - 77 \times 7}{7 \times 7} = \frac{(88888 + 8) \times (8 + 8 + 8) - 88 \times 8}{8 \times 8} = \frac{(99999 + 9) \times (9 + 9 + 9) - 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{333325} &:= \frac{(111111 + 1) \times (1 + 1 + 1) - 11 \times 1}{1 \times 1} = \frac{(222222 + 2) \times (2 + 2 + 2) - 22 \times 2}{2 \times 2} = \frac{(333333 + 3) \times (3 + 3 + 3) - 33 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 4) \times (4 + 4 + 4) - 44 \times 4}{4 \times 4} = \frac{(555555 + 5) \times (5 + 5 + 5) - 55 \times 5}{5 \times 5} = \frac{(666666 + 6) \times (6 + 6 + 6) - 66 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 7) \times (7 + 7 + 7) - 77 \times 7}{7 \times 7} = \frac{(888888 + 8) \times (8 + 8 + 8) - 88 \times 8}{8 \times 8} = \frac{(999999 + 9) \times (9 + 9 + 9) - 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{326} &:= \frac{(111 - 1 - 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 - 2 - 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 - 3 - 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 4 - 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 - 5 - 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 - 6 - 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 7 - 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 - 8 - 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 - 9 - 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{3326} &:= \frac{(1111 - 1 - 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 - 2 - 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 - 3 - 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 4 - 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 - 5 - 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 - 6 - 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 7 - 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 - 8 - 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 - 9 - 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{33326} &:= \frac{(11111 - 1 - 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 - 2 - 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 - 3 - 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 4 - 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 - 5 - 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 - 6 - 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7 - 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 - 8 - 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 - 9 - 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{333326} &:= \frac{(111111 - 1 - 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 - 2 - 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 - 3 - 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 4 - 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 5 - 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 6 - 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 7 - 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 8 - 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 9 - 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{327} := \frac{(111 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444-4-4) \times (4+4+4)}{4 \times 4} = \frac{(555-5-5) \times (5+5+5)}{5 \times 5} = \frac{(666-6-6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777-7-7) \times (7+7+7)}{7 \times 7} = \frac{(888-8-8) \times (8+8+8)}{8 \times 8} = \frac{(999-9-9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

3327 := $\frac{(1111-1-1) \times (1+1+1)}{1 \times 1} = \frac{(2222-2-2) \times (2+2+2)}{2 \times 2} = \frac{(3333-3-3) \times (3+3+3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444-4-4) \times (4+4+4)}{4 \times 4} = \frac{(5555-5-5) \times (5+5+5)}{5 \times 5} = \frac{(6666-6-6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(7777-7-7) \times (7+7+7)}{7 \times 7} = \frac{(8888-8-8) \times (8+8+8)}{8 \times 8} = \frac{(9999-9-9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

33327 := $\frac{(11111-1-1) \times (1+1+1)}{1 \times 1} = \frac{(22222-2-2) \times (2+2+2)}{2 \times 2} = \frac{(33333-3-3) \times (3+3+3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444-4-4) \times (4+4+4)}{4 \times 4} = \frac{(55555-5-5) \times (5+5+5)}{5 \times 5} = \frac{(66666-6-6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (7+7+7)}{7 \times 7} = \frac{(88888-8-8) \times (8+8+8)}{8 \times 8} = \frac{(99999-9-9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

333327 := $\frac{(111111-1-1) \times (1+1+1)}{1 \times 1} = \frac{(222222-2-2) \times (2+2+2)}{2 \times 2} = \frac{(333333-3-3) \times (3+3+3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444444-4-4) \times (4+4+4)}{4 \times 4} = \frac{(555555-5-5) \times (5+5+5)}{5 \times 5} = \frac{(666666-6-6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (7+7+7)}{7 \times 7} = \frac{(888888-8-8) \times (8+8+8)}{8 \times 8} = \frac{(999999-9-9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

► **328** := $\frac{(111-1-1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222-2-2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333-3-3) \times (3+3+3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444-4-4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555-5-5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666-6-6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-7-7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888-8-8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999-9-9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

3328 := $\frac{(1111-1-1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(2222-2-2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(3333-3-3) \times (3+3+3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444-4-4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(5555-5-5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(6666-6-6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7-7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(8888-8-8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(9999-9-9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

33328 := $\frac{(11111-1-1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(22222-2-2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(33333-3-3) \times (3+3+3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444-4-4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(55555-5-5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(66666-6-6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(88888-8-8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(99999-9-9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

333328

$$\begin{aligned} &:= \frac{(111111-1-1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222222-2-2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333333-3-3) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4-4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555555-5-5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666666-6-6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888888-8-8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999999-9-9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

329

$$\begin{aligned} &:= \frac{(111-1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(222-2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(333-3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444-4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(555-5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(666-6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777-7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(888-8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(999-9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

3399

$$\begin{aligned} &:= \frac{(1111-1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(2222-2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(3333-3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(5555-5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(6666-6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(8888-8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(9999-9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

33399

$$\begin{aligned} &:= \frac{(11111-1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(22222-2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(33333-3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(55555-5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(66666-6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(88888-8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(99999-9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

333399

$$\begin{aligned} &:= \frac{(111111-1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(222222-2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(333333-3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(555555-5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(666666-6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(888888-8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(999999-9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

330

$$\begin{aligned} &:= \frac{(11+11+11) \times (11-1)}{1 \times 1} = \frac{(22+22+22) \times (22-2)}{2 \times 2} = \frac{(33+33+33) \times (33-3)}{3 \times 3} \\ &:= \frac{(44+44+44) \times (44-4)}{4 \times 4} = \frac{(55+55+55) \times (55-5)}{5 \times 5} = \frac{(66+66+66) \times (66-6)}{6 \times 6} \\ &:= \frac{(77+77+77) \times (77-7)}{7 \times 7} = \frac{(88+88+88) \times (88-8)}{8 \times 8} = \frac{(99+99+99) \times (99-9)}{9 \times 9} \end{aligned}$$

3630

$$\begin{aligned} &:= \frac{(11+11+11) \times (111-1)}{1 \times 1} = \frac{(22+22+22) \times (222-2)}{2 \times 2} = \frac{(33+33+33) \times (333-3)}{3 \times 3} \\ &:= \frac{(44+44+44) \times (444-4)}{4 \times 4} = \frac{(55+55+55) \times (555-5)}{5 \times 5} = \frac{(66+66+66) \times (666-6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(77 + 77 + 77) \times (777 - 7)}{7 \times 7} = \frac{(88 + 88 + 88) \times (888 - 8)}{8 \times 8} = \frac{(99 + 99 + 99) \times (999 - 9)}{9 \times 9}$$

36630 := $\frac{(11 + 11 + 11) \times (1111 - 1)}{1 \times 1} = \frac{(22 + 22 + 22) \times (2222 - 2)}{2 \times 2} = \frac{(33 + 33 + 33) \times (3333 - 3)}{3 \times 3}$

$$:= \frac{(44 + 44 + 44) \times (4444 - 4)}{4 \times 4} = \frac{(55 + 55 + 55) \times (5555 - 5)}{5 \times 5} = \frac{(66 + 66 + 66) \times (6666 - 6)}{6 \times 6}$$
$$:= \frac{(77 + 77 + 77) \times (7777 - 7)}{7 \times 7} = \frac{(88 + 88 + 88) \times (8888 - 8)}{8 \times 8} = \frac{(99 + 99 + 99) \times (9999 - 9)}{9 \times 9}$$

366630 := $\frac{(11 + 11 + 11) \times (11111 - 1)}{1 \times 1} = \frac{(22 + 22 + 22) \times (22222 - 2)}{2 \times 2} = \frac{(33 + 33 + 33) \times (33333 - 3)}{3 \times 3}$

$$:= \frac{(44 + 44 + 44) \times (44444 - 4)}{4 \times 4} = \frac{(55 + 55 + 55) \times (55555 - 5)}{5 \times 5} = \frac{(66 + 66 + 66) \times (66666 - 6)}{6 \times 6}$$
$$:= \frac{(77 + 77 + 77) \times (77777 - 7)}{7 \times 7} = \frac{(88 + 88 + 88) \times (88888 - 8)}{8 \times 8} = \frac{(99 + 99 + 99) \times (99999 - 9)}{9 \times 9}$$

► **331** := $\frac{111 + 111 + 111 - 1 - 1}{1} = \frac{222 + 222 + 222 - 2 - 2}{2} = \frac{333 + 333 + 333 - 3 - 3}{3}$

$$:= \frac{444 + 444 + 444 - 4 - 4}{4} = \frac{555 + 555 + 555 - 5 - 5}{5} = \frac{666 + 666 + 666 - 6 - 6}{6}$$
$$:= \frac{777 + 777 + 777 - 7 - 7}{7} = \frac{888 + 888 + 888 - 8 - 8}{8} = \frac{999 + 999 + 999 - 9 - 9}{9}$$

1331 := $\frac{111 + 111 + 1111 - 1 - 1}{1} = \frac{222 + 222 + 2222 - 2 - 2}{2} = \frac{333 + 333 + 3333 - 3 - 3}{3}$

$$:= \frac{444 + 444 + 4444 - 4 - 4}{4} = \frac{555 + 555 + 5555 - 5 - 5}{5} = \frac{666 + 666 + 6666 - 6 - 6}{6}$$
$$:= \frac{777 + 777 + 7777 - 7 - 7}{7} = \frac{888 + 888 + 8888 - 8 - 8}{8} = \frac{999 + 999 + 9999 - 9 - 9}{9}$$

11331 := $\frac{111 + 111 + 11111 - 1 - 1}{1} = \frac{222 + 222 + 22222 - 2 - 2}{2} = \frac{333 + 333 + 33333 - 3 - 3}{3}$

$$:= \frac{444 + 444 + 44444 - 4 - 4}{4} = \frac{555 + 555 + 55555 - 5 - 5}{5} = \frac{666 + 666 + 66666 - 6 - 6}{6}$$
$$:= \frac{777 + 777 + 77777 - 7 - 7}{7} = \frac{888 + 888 + 88888 - 8 - 8}{8} = \frac{999 + 999 + 99999 - 9 - 9}{9}$$

111331 := $\frac{111 + 111 + 111111 - 1 - 1}{1} = \frac{222 + 222 + 222222 - 2 - 2}{2} = \frac{333 + 333 + 333333 - 3 - 3}{3}$

$$:= \frac{444 + 444 + 444444 - 4 - 4}{4} = \frac{555 + 555 + 555555 - 5 - 5}{5} = \frac{666 + 666 + 666666 - 6 - 6}{6}$$
$$:= \frac{777 + 777 + 777777 - 7 - 7}{7} = \frac{888 + 888 + 888888 - 8 - 8}{8} = \frac{999 + 999 + 999999 - 9 - 9}{9}$$

► **332** := $\frac{111 + 111 + 111 - 1}{1} = \frac{222 + 222 + 222 - 2}{2} = \frac{333 + 333 + 333 - 3}{3}$

$$\begin{aligned} &:= \frac{444 + 444 + 444 - 4}{4} = \frac{555 + 555 + 555 - 5}{5} = \frac{666 + 666 + 666 - 6}{6} \\ &:= \frac{777 + 777 + 777 - 7}{7} = \frac{888 + 888 + 888 - 8}{8} = \frac{999 + 999 + 999 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1332} &:= \frac{111 + 111 + 1111 - 1}{1} = \frac{222 + 222 + 2222 - 2}{2} = \frac{333 + 333 + 3333 - 3}{3} \\ &:= \frac{444 + 444 + 4444 - 4}{4} = \frac{555 + 555 + 5555 - 5}{5} = \frac{666 + 666 + 6666 - 6}{6} \\ &:= \frac{777 + 777 + 7777 - 7}{7} = \frac{888 + 888 + 8888 - 8}{8} = \frac{999 + 999 + 9999 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11332} &:= \frac{111 + 111 + 11111 - 1}{1} = \frac{222 + 222 + 22222 - 2}{2} = \frac{333 + 333 + 33333 - 3}{3} \\ &:= \frac{444 + 444 + 44444 - 4}{4} = \frac{555 + 555 + 55555 - 5}{5} = \frac{666 + 666 + 66666 - 6}{6} \\ &:= \frac{777 + 777 + 77777 - 7}{7} = \frac{888 + 888 + 88888 - 8}{8} = \frac{999 + 999 + 99999 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111332} &:= \frac{111 + 111 + 111111 - 1}{1} = \frac{222 + 222 + 222222 - 2}{2} = \frac{333 + 333 + 333333 - 3}{3} \\ &:= \frac{444 + 444 + 444444 - 4}{4} = \frac{555 + 555 + 555555 - 5}{5} = \frac{666 + 666 + 666666 - 6}{6} \\ &:= \frac{777 + 777 + 777777 - 7}{7} = \frac{888 + 888 + 888888 - 8}{8} = \frac{999 + 999 + 999999 - 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{333} &:= \frac{(1 + 1 + 1) \times 111}{1 \times 1} = \frac{(2 + 2 + 2) \times 222}{2 \times 2} = \frac{(3 + 3 + 3) \times 333}{3 \times 3} \\ &:= \frac{(4 + 4 + 4) \times 444}{4 \times 4} = \frac{(5 + 5 + 5) \times 555}{5 \times 5} = \frac{(6 + 6 + 6) \times 666}{6 \times 6} \\ &:= \frac{(7 + 7 + 7) \times 777}{7 \times 7} = \frac{(8 + 8 + 8) \times 888}{8 \times 8} = \frac{(9 + 9 + 9) \times 999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3333} &:= \frac{(1 + 1 + 1) \times 1111}{1 \times 1} = \frac{(2 + 2 + 2) \times 2222}{2 \times 2} = \frac{(3 + 3 + 3) \times 3333}{3 \times 3} \\ &:= \frac{(4 + 4 + 4) \times 4444}{4 \times 4} = \frac{(5 + 5 + 5) \times 5555}{5 \times 5} = \frac{(6 + 6 + 6) \times 6666}{6 \times 6} \\ &:= \frac{(7 + 7 + 7) \times 7777}{7 \times 7} = \frac{(8 + 8 + 8) \times 8888}{8 \times 8} = \frac{(9 + 9 + 9) \times 9999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33333} &:= \frac{(1 + 1 + 1) \times 11111}{1 \times 1} = \frac{(2 + 2 + 2) \times 22222}{2 \times 2} = \frac{(3 + 3 + 3) \times 33333}{3 \times 3} \\ &:= \frac{(4 + 4 + 4) \times 44444}{4 \times 4} = \frac{(5 + 5 + 5) \times 55555}{5 \times 5} = \frac{(6 + 6 + 6) \times 66666}{6 \times 6} \\ &:= \frac{(7 + 7 + 7) \times 77777}{7 \times 7} = \frac{(8 + 8 + 8) \times 88888}{8 \times 8} = \frac{(9 + 9 + 9) \times 99999}{9 \times 9} \end{aligned}$$

333333 := $\frac{(1+1+1) \times 111111}{1 \times 1} = \frac{(2+2+2) \times 222222}{2 \times 2} = \frac{(3+3+3) \times 333333}{3 \times 3}$
:= $\frac{(4+4+4) \times 444444}{4 \times 4} = \frac{(5+5+5) \times 555555}{5 \times 5} = \frac{(6+6+6) \times 666666}{6 \times 6}$
:= $\frac{(7+7+7) \times 777777}{7 \times 7} = \frac{(8+8+8) \times 888888}{8 \times 8} = \frac{(9+9+9) \times 999999}{9 \times 9}$

► **334** := $\frac{111+111+111+1}{1} = \frac{222+222+222+2}{2} = \frac{333+333+333+3}{3}$
:= $\frac{444+444+444+4}{4} = \frac{555+555+555+5}{5} = \frac{666+666+666+6}{6}$
:= $\frac{777+777+777+7}{7} = \frac{888+888+888+8}{8} = \frac{999+999+999+9}{9}$

1334 := $\frac{111+111+1111+1}{1} = \frac{222+222+2222+2}{2} = \frac{333+333+3333+3}{3}$
:= $\frac{444+444+4444+4}{4} = \frac{555+555+5555+5}{5} = \frac{666+666+6666+6}{6}$
:= $\frac{777+777+7777+7}{7} = \frac{888+888+8888+8}{8} = \frac{999+999+9999+9}{9}$

11334 := $\frac{111+111+11111+1}{1} = \frac{222+222+22222+2}{2} = \frac{333+333+33333+3}{3}$
:= $\frac{444+444+44444+4}{4} = \frac{555+555+55555+5}{5} = \frac{666+666+66666+6}{6}$
:= $\frac{777+777+77777+7}{7} = \frac{888+888+88888+8}{8} = \frac{999+999+99999+9}{9}$

111334 := $\frac{111+111+111111+1}{1} = \frac{222+222+222222+2}{2} = \frac{333+333+333333+3}{3}$
:= $\frac{444+444+444444+4}{4} = \frac{555+555+555555+5}{5} = \frac{666+666+666666+6}{6}$
:= $\frac{777+777+777777+7}{7} = \frac{888+888+888888+8}{8} = \frac{999+999+999999+9}{9}$

► **335** := $\frac{111+111+111+1+1}{1} = \frac{222+222+222+2+2}{2} = \frac{333+333+333+3+3}{3}$
:= $\frac{444+444+444+4+4}{4} = \frac{555+555+555+5+5}{5} = \frac{666+666+666+6+6}{6}$
:= $\frac{777+777+777+7+7}{7} = \frac{888+888+888+8+8}{8} = \frac{999+999+999+9+9}{9}$

1335 := $\frac{111+111+1111+1+1}{1} = \frac{222+222+2222+2+2}{2} = \frac{333+333+3333+3+3}{3}$
:= $\frac{444+444+4444+4+4}{4} = \frac{555+555+5555+5+5}{5} = \frac{666+666+6666+6+6}{6}$

$$:= \frac{777+777+7777+7+7}{7} = \frac{888+888+8888+8+8}{8} = \frac{999+999+9999+9+9}{9}$$

$$\begin{aligned} \textcolor{red}{11335} &:= \frac{111+111+11111+1+1}{1} = \frac{222+222+22222+2+2}{2} = \frac{333+333+33333+3+3}{3} \\ &:= \frac{444+444+44444+4+4}{4} = \frac{555+555+55555+5+5}{5} = \frac{666+666+66666+6+6}{6} \\ &:= \frac{777+777+77777+7+7}{7} = \frac{888+888+88888+8+8}{8} = \frac{999+999+99999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111335} &:= \frac{111+111+111111+1+1}{1} = \frac{222+222+222222+2+2}{2} = \frac{333+333+333333+3+3}{3} \\ &:= \frac{444+444+444444+4+4}{4} = \frac{555+555+555555+5+5}{5} = \frac{666+666+666666+6+6}{6} \\ &:= \frac{777+777+777777+7+7}{7} = \frac{888+888+888888+8+8}{8} = \frac{999+999+999999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{336} &:= \frac{111+111+111+1+1+1}{1} = \frac{222+222+222+2+2+2}{2} = \frac{333+333+333+3+3+3}{3} \\ &:= \frac{444+444+444+4+4+4}{4} = \frac{555+555+555+5+5+5}{5} = \frac{666+666+666+6+6+6}{6} \\ &:= \frac{777+777+777+7+7+7}{7} = \frac{888+888+888+8+8+8}{8} = \frac{999+999+999+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1336} &:= \frac{111+111+1111+1+1+1}{1} = \frac{222+222+2222+2+2+2}{2} = \frac{333+333+3333+3+3+3}{3} \\ &:= \frac{444+444+4444+4+4+4}{4} = \frac{555+555+5555+5+5+5}{5} = \frac{666+666+6666+6+6+6}{6} \\ &:= \frac{777+777+7777+7+7+7}{7} = \frac{888+888+8888+8+8+8}{8} = \frac{999+999+9999+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11336} &:= \frac{111+111+11111+1+1+1}{1} = \frac{222+222+22222+2+2+2}{2} = \frac{333+333+33333+3+3+3}{3} \\ &:= \frac{444+444+44444+4+4+4}{4} = \frac{555+555+55555+5+5+5}{5} = \frac{666+666+66666+6+6+6}{6} \\ &:= \frac{777+777+77777+7+7+7}{7} = \frac{888+888+88888+8+8+8}{8} = \frac{999+999+99999+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111336} &:= \frac{111+111+111111+1+1+1}{1} = \frac{222+222+222222+2+2+2}{2} = \frac{333+333+333333+3+3+3}{3} \\ &:= \frac{444+444+444444+4+4+4}{4} = \frac{555+555+555555+5+5+5}{5} = \frac{666+666+666666+6+6+6}{6} \\ &:= \frac{777+777+777777+7+7+7}{7} = \frac{888+888+888888+8+8+8}{8} = \frac{999+999+999999+9+9+9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{337} := \frac{(111+1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222+2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333+3) \times (3+3+3) + 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444+4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555+5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666+6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777+7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888+8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999+9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3337} &:= \frac{(1111+1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(2222+2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(3333+3) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(5555+5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(6666+6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(8888+8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(9999+9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33337} &:= \frac{(11111+1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(22222+2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(33333+3) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(55555+5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(66666+6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(88888+8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(99999+9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333337} &:= \frac{(111111+1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222222+2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333333+3) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444+4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555555+5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666666+6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777+7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888888+8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999999+9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{338} &:= \frac{(111+1) \times (1+1+1) + (1+1) \times 1}{1 \times 1} = \frac{(222+2) \times (2+2+2) + (2+2) \times 2}{2 \times 2} = \frac{(333+3) \times (3+3+3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(444+4) \times (4+4+4) + (4+4) \times 4}{4 \times 4} = \frac{(555+5) \times (5+5+5) + (5+5) \times 5}{5 \times 5} = \frac{(666+6) \times (6+6+6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(777+7) \times (7+7+7) + (7+7) \times 7}{7 \times 7} = \frac{(888+8) \times (8+8+8) + (8+8) \times 8}{8 \times 8} = \frac{(999+9) \times (9+9+9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3338} &:= \frac{(1111+1) \times (1+1+1) + (1+1) \times 1}{1 \times 1} = \frac{(2222+2) \times (2+2+2) + (2+2) \times 2}{2 \times 2} = \frac{(3333+3) \times (3+3+3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444+4) \times (4+4+4) + (4+4) \times 4}{4 \times 4} = \frac{(5555+5) \times (5+5+5) + (5+5) \times 5}{5 \times 5} = \frac{(6666+6) \times (6+6+6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(7777+7) \times (7+7+7) + (7+7) \times 7}{7 \times 7} = \frac{(8888+8) \times (8+8+8) + (8+8) \times 8}{8 \times 8} = \frac{(9999+9) \times (9+9+9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33338} &:= \frac{(11111+1) \times (1+1+1) + (1+1) \times 1}{1 \times 1} = \frac{(22222+2) \times (2+2+2) + (2+2) \times 2}{2 \times 2} = \frac{(33333+3) \times (3+3+3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44444+4) \times (4+4+4) + (4+4) \times 4}{4 \times 4} = \frac{(55555+5) \times (5+5+5) + (5+5) \times 5}{5 \times 5} = \frac{(66666+6) \times (6+6+6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77777+7) \times (7+7+7) + (7+7) \times 7}{7 \times 7} = \frac{(88888+8) \times (8+8+8) + (8+8) \times 8}{8 \times 8} = \frac{(99999+9) \times (9+9+9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

333338 :=
$$\frac{(111111 + 1) \times (1 + 1 + 1) + (1 + 1) \times 1}{1 \times 1} = \frac{(222222 + 2) \times (2 + 2 + 2) + (2 + 2) \times 2}{2 \times 2} = \frac{(333333 + 3) \times (3 + 3 + 3) + (3 + 3) \times 3}{3 \times 3}$$
$$:= \frac{(444444 + 4) \times (4 + 4 + 4) + (4 + 4) \times 4}{4 \times 4} = \frac{(555555 + 5) \times (5 + 5 + 5) + (5 + 5) \times 5}{5 \times 5} = \frac{(666666 + 6) \times (6 + 6 + 6) + (6 + 6) \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 7) \times (7 + 7 + 7) + (7 + 7) \times 7}{7 \times 7} = \frac{(888888 + 8) \times (8 + 8 + 8) + (8 + 8) \times 8}{8 \times 8} = \frac{(999999 + 9) \times (9 + 9 + 9) + (9 + 9) \times 9}{9 \times 9}$$

339 :=
$$\frac{(111 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(444 + 4 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 5 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 6 + 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 7 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 8 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 9 + 9) \times (9 + 9 + 9)}{9 \times 9}$$

3339 :=
$$\frac{(1111 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(4444 + 4 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 5 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 6 + 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(7777 + 7 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 8 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 9 + 9) \times (9 + 9 + 9)}{9 \times 9}$$

33339 :=
$$\frac{(11111 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(44444 + 4 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 5 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 6 + 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 7 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 8 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 9 + 9) \times (9 + 9 + 9)}{9 \times 9}$$

333339 :=
$$\frac{(111111 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(444444 + 4 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 5 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 6 + 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 7 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 8 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 9 + 9) \times (9 + 9 + 9)}{9 \times 9}$$

340 :=
$$\frac{(11 + 11 + 11 + 1) \times (11 - 1)}{1 \times 1} = \frac{(22 + 22 + 22 + 2) \times (22 - 2)}{2 \times 2} = \frac{(33 + 33 + 33 + 3) \times (33 - 3)}{3 \times 3}$$
$$:= \frac{(44 + 44 + 44 + 4) \times (44 - 4)}{4 \times 4} = \frac{(55 + 55 + 55 + 5) \times (55 - 5)}{5 \times 5} = \frac{(66 + 66 + 66 + 6) \times (66 - 6)}{6 \times 6}$$
$$:= \frac{(77 + 77 + 77 + 7) \times (77 - 7)}{7 \times 7} = \frac{(88 + 88 + 88 + 8) \times (88 - 8)}{8 \times 8} = \frac{(99 + 99 + 99 + 9) \times (99 - 9)}{9 \times 9}$$

1340 :=
$$\frac{(111 + 11 + 11 + 1) \times (11 - 1)}{1 \times 1} = \frac{(222 + 22 + 22 + 2) \times (22 - 2)}{2 \times 2} = \frac{(333 + 33 + 33 + 3) \times (33 - 3)}{3 \times 3}$$
$$:= \frac{(444 + 44 + 44 + 4) \times (44 - 4)}{4 \times 4} = \frac{(555 + 55 + 55 + 5) \times (55 - 5)}{5 \times 5} = \frac{(666 + 66 + 66 + 6) \times (66 - 6)}{6 \times 6}$$

$$:= \frac{(777 + 77 + 77 + 7) \times (77 - 7)}{7 \times 7} = \frac{(888 + 88 + 88 + 8) \times (88 - 8)}{8 \times 8} = \frac{(999 + 99 + 99 + 9) \times (99 - 9)}{9 \times 9}$$

$$\begin{aligned} \mathbf{11340} &:= \frac{(1111 + 11 + 11 + 1) \times (11 - 1)}{1 \times 1} = \frac{(2222 + 22 + 22 + 2) \times (22 - 2)}{2 \times 2} = \frac{(3333 + 33 + 33 + 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 + 44 + 4) \times (44 - 4)}{4 \times 4} = \frac{(5555 + 55 + 55 + 5) \times (55 - 5)}{5 \times 5} = \frac{(6666 + 66 + 66 + 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 + 77 + 7) \times (77 - 7)}{7 \times 7} = \frac{(8888 + 88 + 88 + 8) \times (88 - 8)}{8 \times 8} = \frac{(9999 + 99 + 99 + 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{111340} &:= \frac{(11111 + 11 + 11 + 1) \times (11 - 1)}{1 \times 1} = \frac{(22222 + 22 + 22 + 2) \times (22 - 2)}{2 \times 2} = \frac{(33333 + 33 + 33 + 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 + 44 + 4) \times (44 - 4)}{4 \times 4} = \frac{(55555 + 55 + 55 + 5) \times (55 - 5)}{5 \times 5} = \frac{(66666 + 66 + 66 + 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 + 77 + 7) \times (77 - 7)}{7 \times 7} = \frac{(88888 + 88 + 88 + 8) \times (88 - 8)}{8 \times 8} = \frac{(99999 + 99 + 99 + 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{341} &:= \frac{(11 + 11 + 11 - 1 - 1) \times 11}{1 \times 1} = \frac{(22 + 22 + 22 - 2 - 2) \times 22}{2 \times 2} = \frac{(33 + 33 + 33 - 3 - 3) \times 33}{3 \times 3} \\ &:= \frac{(44 + 44 + 44 - 4 - 4) \times 44}{4 \times 4} = \frac{(55 + 55 + 55 - 5 - 5) \times 55}{5 \times 5} = \frac{(66 + 66 + 66 - 6 - 6) \times 66}{6 \times 6} \\ &:= \frac{(77 + 77 + 77 - 7 - 7) \times 77}{7 \times 7} = \frac{(88 + 88 + 88 - 8 - 8) \times 88}{8 \times 8} = \frac{(99 + 99 + 99 - 9 - 9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{3441} &:= \frac{(11 + 11 + 11 - 1 - 1) \times 111}{1 \times 1} = \frac{(22 + 22 + 22 - 2 - 2) \times 222}{2 \times 2} = \frac{(33 + 33 + 33 - 3 - 3) \times 333}{3 \times 3} \\ &:= \frac{(44 + 44 + 44 - 4 - 4) \times 444}{4 \times 4} = \frac{(55 + 55 + 55 - 5 - 5) \times 555}{5 \times 5} = \frac{(66 + 66 + 66 - 6 - 6) \times 666}{6 \times 6} \\ &:= \frac{(77 + 77 + 77 - 7 - 7) \times 777}{7 \times 7} = \frac{(88 + 88 + 88 - 8 - 8) \times 888}{8 \times 8} = \frac{(99 + 99 + 99 - 9 - 9) \times 999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{34441} &:= \frac{(11 + 11 + 11 - 1 - 1) \times 1111}{1 \times 1} = \frac{(22 + 22 + 22 - 2 - 2) \times 2222}{2 \times 2} = \frac{(33 + 33 + 33 - 3 - 3) \times 3333}{3 \times 3} \\ &:= \frac{(44 + 44 + 44 - 4 - 4) \times 4444}{4 \times 4} = \frac{(55 + 55 + 55 - 5 - 5) \times 5555}{5 \times 5} = \frac{(66 + 66 + 66 - 6 - 6) \times 6666}{6 \times 6} \\ &:= \frac{(77 + 77 + 77 - 7 - 7) \times 7777}{7 \times 7} = \frac{(88 + 88 + 88 - 8 - 8) \times 8888}{8 \times 8} = \frac{(99 + 99 + 99 - 9 - 9) \times 9999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{344441} &:= \frac{(11 + 11 + 11 - 1 - 1) \times 11111}{1 \times 1} = \frac{(22 + 22 + 22 - 2 - 2) \times 22222}{2 \times 2} = \frac{(33 + 33 + 33 - 3 - 3) \times 33333}{3 \times 3} \\ &:= \frac{(44 + 44 + 44 - 4 - 4) \times 44444}{4 \times 4} = \frac{(55 + 55 + 55 - 5 - 5) \times 55555}{5 \times 5} = \frac{(66 + 66 + 66 - 6 - 6) \times 66666}{6 \times 6} \\ &:= \frac{(77 + 77 + 77 - 7 - 7) \times 77777}{7 \times 7} = \frac{(88 + 88 + 88 - 8 - 8) \times 88888}{8 \times 8} = \frac{(99 + 99 + 99 - 9 - 9) \times 99999}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{342} := \frac{(111 + 1 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 2 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 3 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444+4+4+4) \times (4+4+4)}{4 \times 4} = \frac{(555+5+5+5) \times (5+5+5)}{5 \times 5} = \frac{(666+6+6+6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777+7+7+7) \times (7+7+7)}{7 \times 7} = \frac{(888+8+8+8) \times (8+8+8)}{8 \times 8} = \frac{(999+9+9+9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3342} &:= \frac{(1111+1+1+1) \times (1+1+1)}{1 \times 1} = \frac{(2222+2+2+2) \times (2+2+2)}{2 \times 2} = \frac{(3333+3+3+3) \times (3+3+3)}{3 \times 3} \\ &:= \frac{(4444+4+4+4) \times (4+4+4)}{4 \times 4} = \frac{(5555+5+5+5) \times (5+5+5)}{5 \times 5} = \frac{(6666+6+6+6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(7777+7+7+7) \times (7+7+7)}{7 \times 7} = \frac{(8888+8+8+8) \times (8+8+8)}{8 \times 8} = \frac{(9999+9+9+9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33342} &:= \frac{(11111+1+1+1) \times (1+1+1)}{1 \times 1} = \frac{(22222+2+2+2) \times (2+2+2)}{2 \times 2} = \frac{(33333+3+3+3) \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44444+4+4+4) \times (4+4+4)}{4 \times 4} = \frac{(55555+5+5+5) \times (5+5+5)}{5 \times 5} = \frac{(66666+6+6+6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77777+7+7+7) \times (7+7+7)}{7 \times 7} = \frac{(88888+8+8+8) \times (8+8+8)}{8 \times 8} = \frac{(99999+9+9+9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333342} &:= \frac{(111111+1+1+1) \times (1+1+1)}{1 \times 1} = \frac{(222222+2+2+2) \times (2+2+2)}{2 \times 2} = \frac{(333333+3+3+3) \times (3+3+3)}{3 \times 3} \\ &:= \frac{(444444+4+4+4) \times (4+4+4)}{4 \times 4} = \frac{(555555+5+5+5) \times (5+5+5)}{5 \times 5} = \frac{(666666+6+6+6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777777+7+7+7) \times (7+7+7)}{7 \times 7} = \frac{(888888+8+8+8) \times (8+8+8)}{8 \times 8} = \frac{(999999+9+9+9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{343} &:= \frac{111+111+111+11-1}{1} = \frac{222+222+222+22-2}{2} = \frac{333+333+333+33-3}{3} \\ &:= \frac{444+444+444+44-4}{4} = \frac{555+555+555+55-5}{5} = \frac{666+666+666+66-6}{6} \\ &:= \frac{777+777+777+77-7}{7} = \frac{888+888+888+88-8}{8} = \frac{999+999+999+99-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1343} &:= \frac{1111+111+111+11-1}{1} = \frac{2222+222+222+22-2}{2} = \frac{3333+333+333+33-3}{3} \\ &:= \frac{4444+444+444+44-4}{4} = \frac{5555+555+555+55-5}{5} = \frac{6666+666+666+66-6}{6} \\ &:= \frac{7777+777+777+77-7}{7} = \frac{8888+888+888+88-8}{8} = \frac{9999+999+999+99-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11343} &:= \frac{11111+111+111+11-1}{1} = \frac{22222+222+222+22-2}{2} = \frac{33333+333+333+33-3}{3} \\ &:= \frac{44444+444+444+44-4}{4} = \frac{55555+555+555+55-5}{5} = \frac{66666+666+666+66-6}{6} \\ &:= \frac{77777+777+777+77-7}{7} = \frac{88888+888+888+88-8}{8} = \frac{99999+999+999+99-9}{9} \end{aligned}$$

111343

$$:= \frac{111111 + 111 + 111 + 11 - 1}{1} = \frac{222222 + 222 + 222 + 22 - 2}{2} = \frac{333333 + 333 + 333 + 33 - 3}{3}$$

$$:= \frac{444444 + 444 + 444 + 44 - 4}{4} = \frac{555555 + 555 + 555 + 55 - 5}{5} = \frac{666666 + 666 + 666 + 66 - 6}{6}$$

$$:= \frac{777777 + 777 + 777 + 77 - 7}{7} = \frac{888888 + 888 + 888 + 88 - 8}{8} = \frac{999999 + 999 + 999 + 99 - 9}{9}$$

► 344

$$:= \frac{111 + 111 + 111 + 11}{1} = \frac{222 + 222 + 222 + 22}{2} = \frac{333 + 333 + 333 + 33}{3}$$

$$:= \frac{444 + 444 + 444 + 44}{4} = \frac{555 + 555 + 555 + 55}{5} = \frac{666 + 666 + 666 + 66}{6}$$

$$:= \frac{777 + 777 + 777 + 77}{7} = \frac{888 + 888 + 888 + 88}{8} = \frac{999 + 999 + 999 + 99}{9}$$

1344

$$:= \frac{1111 + 111 + 111 + 11}{1} = \frac{2222 + 222 + 222 + 22}{2} = \frac{3333 + 333 + 333 + 33}{3}$$

$$:= \frac{4444 + 444 + 444 + 44}{4} = \frac{5555 + 555 + 555 + 55}{5} = \frac{6666 + 666 + 666 + 66}{6}$$

$$:= \frac{7777 + 777 + 777 + 77}{7} = \frac{8888 + 888 + 888 + 88}{8} = \frac{9999 + 999 + 999 + 99}{9}$$

11344

$$:= \frac{11111 + 111 + 111 + 11}{1} = \frac{22222 + 222 + 222 + 22}{2} = \frac{33333 + 333 + 333 + 33}{3}$$

$$:= \frac{44444 + 444 + 444 + 44}{4} = \frac{55555 + 555 + 555 + 55}{5} = \frac{66666 + 666 + 666 + 66}{6}$$

$$:= \frac{77777 + 777 + 777 + 77}{7} = \frac{88888 + 888 + 888 + 88}{8} = \frac{99999 + 999 + 999 + 99}{9}$$

111344

$$:= \frac{111111 + 111 + 111 + 11}{1} = \frac{222222 + 222 + 222 + 22}{2} = \frac{333333 + 333 + 333 + 33}{3}$$

$$:= \frac{444444 + 444 + 444 + 44}{4} = \frac{555555 + 555 + 555 + 55}{5} = \frac{666666 + 666 + 666 + 66}{6}$$

$$:= \frac{777777 + 777 + 777 + 77}{7} = \frac{888888 + 888 + 888 + 88}{8} = \frac{999999 + 999 + 999 + 99}{9}$$

► 345

$$:= \frac{111 + 111 + 111 + 11 + 1}{1} = \frac{222 + 222 + 222 + 22 + 2}{2} = \frac{333 + 333 + 333 + 33 + 3}{3}$$

$$:= \frac{444 + 444 + 444 + 44 + 4}{4} = \frac{555 + 555 + 555 + 55 + 5}{5} = \frac{666 + 666 + 666 + 66 + 6}{6}$$

$$:= \frac{777 + 777 + 777 + 77 + 7}{7} = \frac{888 + 888 + 888 + 88 + 8}{8} = \frac{999 + 999 + 999 + 99 + 9}{9}$$

1345

$$:= \frac{1111 + 111 + 111 + 11 + 1}{1} = \frac{2222 + 222 + 222 + 22 + 2}{2} = \frac{3333 + 333 + 333 + 33 + 3}{3}$$

$$:= \frac{4444 + 444 + 444 + 44 + 4}{4} = \frac{5555 + 555 + 555 + 55 + 5}{5} = \frac{6666 + 666 + 666 + 66 + 6}{6}$$

$$:= \frac{7777 + 777 + 777 + 77 + 7}{7} = \frac{8888 + 888 + 888 + 88 + 8}{8} = \frac{9999 + 999 + 999 + 99 + 9}{9}$$

$$\begin{aligned} \textcolor{red}{11345} &:= \frac{11111 + 111 + 111 + 11 + 1}{1} = \frac{22222 + 222 + 222 + 22 + 2}{2} = \frac{33333 + 333 + 333 + 33 + 3}{3} \\ &:= \frac{44444 + 444 + 444 + 44 + 4}{4} = \frac{55555 + 555 + 555 + 55 + 5}{5} = \frac{66666 + 666 + 666 + 66 + 6}{6} \\ &:= \frac{77777 + 777 + 777 + 77 + 7}{7} = \frac{88888 + 888 + 888 + 88 + 8}{8} = \frac{99999 + 999 + 999 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111345} &:= \frac{111111 + 111 + 111 + 11 + 1}{1} = \frac{222222 + 222 + 222 + 22 + 2}{2} = \frac{333333 + 333 + 333 + 33 + 3}{3} \\ &:= \frac{444444 + 444 + 444 + 44 + 4}{4} = \frac{555555 + 555 + 555 + 55 + 5}{5} = \frac{666666 + 666 + 666 + 66 + 6}{6} \\ &:= \frac{777777 + 777 + 777 + 77 + 7}{7} = \frac{888888 + 888 + 888 + 88 + 8}{8} = \frac{999999 + 999 + 999 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{346} &:= \frac{111 + 111 + 111 + 11 + 1 + 1}{1} = \frac{222 + 222 + 222 + 22 + 2 + 2}{2} = \frac{333 + 333 + 333 + 33 + 3 + 3}{3} \\ &:= \frac{444 + 444 + 444 + 44 + 4 + 4}{4} = \frac{555 + 555 + 555 + 55 + 5 + 5}{5} = \frac{666 + 666 + 666 + 66 + 6 + 6}{6} \\ &:= \frac{777 + 777 + 777 + 77 + 7 + 7}{7} = \frac{888 + 888 + 888 + 88 + 8 + 8}{8} = \frac{999 + 999 + 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1346} &:= \frac{1111 + 111 + 111 + 11 + 1 + 1}{1} = \frac{2222 + 222 + 222 + 22 + 2 + 2}{2} = \frac{3333 + 333 + 333 + 33 + 3 + 3}{3} \\ &:= \frac{4444 + 444 + 444 + 44 + 4 + 4}{4} = \frac{5555 + 555 + 555 + 55 + 5 + 5}{5} = \frac{6666 + 666 + 666 + 66 + 6 + 6}{6} \\ &:= \frac{7777 + 777 + 777 + 77 + 7 + 7}{7} = \frac{8888 + 888 + 888 + 88 + 8 + 8}{8} = \frac{9999 + 999 + 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11346} &:= \frac{11111 + 111 + 111 + 11 + 1 + 1}{1} = \frac{22222 + 222 + 222 + 22 + 2 + 2}{2} = \frac{33333 + 333 + 333 + 33 + 3 + 3}{3} \\ &:= \frac{44444 + 444 + 444 + 44 + 4 + 4}{4} = \frac{55555 + 555 + 555 + 55 + 5 + 5}{5} = \frac{66666 + 666 + 666 + 66 + 6 + 6}{6} \\ &:= \frac{77777 + 777 + 777 + 77 + 7 + 7}{7} = \frac{88888 + 888 + 888 + 88 + 8 + 8}{8} = \frac{99999 + 999 + 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111346} &:= \frac{111111 + 111 + 111 + 11 + 1 + 1}{1} = \frac{222222 + 222 + 222 + 22 + 2 + 2}{2} = \frac{333333 + 333 + 333 + 33 + 3 + 3}{3} \\ &:= \frac{444444 + 444 + 444 + 44 + 4 + 4}{4} = \frac{555555 + 555 + 555 + 55 + 5 + 5}{5} = \frac{666666 + 666 + 666 + 66 + 6 + 6}{6} \\ &:= \frac{777777 + 777 + 777 + 77 + 7 + 7}{7} = \frac{888888 + 888 + 888 + 88 + 8 + 8}{8} = \frac{999999 + 999 + 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{347} := \frac{(111 + 1) \times (1 + 1 + 1) + 11 \times 1}{1 \times 1} = \frac{(222 + 2) \times (2 + 2 + 2) + 22 \times 2}{2 \times 2} = \frac{(333 + 3) \times (3 + 3 + 3) + 33 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444+4) \times (4+4+4) + 44 \times 4}{4 \times 4} = \frac{(555+5) \times (5+5+5) + 55 \times 5}{5 \times 5} = \frac{(666+6) \times (6+6+6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(777+7) \times (7+7+7) + 77 \times 7}{7 \times 7} = \frac{(888+8) \times (8+8+8) + 88 \times 8}{8 \times 8} = \frac{(999+9) \times (9+9+9) + 99 \times 9}{9 \times 9} \end{aligned}$$

3347 := $\frac{(1111+1) \times (1+1+1) + 11 \times 1}{1 \times 1} = \frac{(2222+2) \times (2+2+2) + 22 \times 2}{2 \times 2} = \frac{(3333+3) \times (3+3+3) + 33 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444+4) \times (4+4+4) + 44 \times 4}{4 \times 4} = \frac{(5555+5) \times (5+5+5) + 55 \times 5}{5 \times 5} = \frac{(6666+6) \times (6+6+6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(7777+7) \times (7+7+7) + 77 \times 7}{7 \times 7} = \frac{(8888+8) \times (8+8+8) + 88 \times 8}{8 \times 8} = \frac{(9999+9) \times (9+9+9) + 99 \times 9}{9 \times 9} \end{aligned}$$

33347 := $\frac{(11111+1) \times (1+1+1) + 11 \times 1}{1 \times 1} = \frac{(22222+2) \times (2+2+2) + 22 \times 2}{2 \times 2} = \frac{(33333+3) \times (3+3+3) + 33 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444+4) \times (4+4+4) + 44 \times 4}{4 \times 4} = \frac{(55555+5) \times (5+5+5) + 55 \times 5}{5 \times 5} = \frac{(66666+6) \times (6+6+6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(77777+7) \times (7+7+7) + 77 \times 7}{7 \times 7} = \frac{(88888+8) \times (8+8+8) + 88 \times 8}{8 \times 8} = \frac{(99999+9) \times (9+9+9) + 99 \times 9}{9 \times 9} \end{aligned}$$

333347 := $\frac{(111111+1) \times (1+1+1) + 11 \times 1}{1 \times 1} = \frac{(222222+2) \times (2+2+2) + 22 \times 2}{2 \times 2} = \frac{(333333+3) \times (3+3+3) + 33 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444444+4) \times (4+4+4) + 44 \times 4}{4 \times 4} = \frac{(555555+5) \times (5+5+5) + 55 \times 5}{5 \times 5} = \frac{(666666+6) \times (6+6+6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(777777+7) \times (7+7+7) + 77 \times 7}{7 \times 7} = \frac{(888888+8) \times (8+8+8) + 88 \times 8}{8 \times 8} = \frac{(999999+9) \times (9+9+9) + 99 \times 9}{9 \times 9} \end{aligned}$$

► **348** := $\frac{(111+1) \times (1+1+1) + (11+1) \times 1}{1 \times 1} = \frac{(222+2) \times (2+2+2) + (22+2) \times 2}{2 \times 2} = \frac{(333+3) \times (3+3+3) + (33+3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444+4) \times (4+4+4) + (44+4) \times 4}{4 \times 4} = \frac{(555+5) \times (5+5+5) + (55+5) \times 5}{5 \times 5} = \frac{(666+6) \times (6+6+6) + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(777+7) \times (7+7+7) + (77+7) \times 7}{7 \times 7} = \frac{(888+8) \times (8+8+8) + (88+8) \times 8}{8 \times 8} = \frac{(999+9) \times (9+9+9) + (99+9) \times 9}{9 \times 9} \end{aligned}$$

3348 := $\frac{(1111+1) \times (1+1+1) + (11+1) \times 1}{1 \times 1} = \frac{(2222+2) \times (2+2+2) + (22+2) \times 2}{2 \times 2} = \frac{(3333+3) \times (3+3+3) + (33+3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444+4) \times (4+4+4) + (44+4) \times 4}{4 \times 4} = \frac{(5555+5) \times (5+5+5) + (55+5) \times 5}{5 \times 5} = \frac{(6666+6) \times (6+6+6) + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(7777+7) \times (7+7+7) + (77+7) \times 7}{7 \times 7} = \frac{(8888+8) \times (8+8+8) + (88+8) \times 8}{8 \times 8} = \frac{(9999+9) \times (9+9+9) + (99+9) \times 9}{9 \times 9} \end{aligned}$$

33348 := $\frac{(11111+1) \times (1+1+1) + (11+1) \times 1}{1 \times 1} = \frac{(22222+2) \times (2+2+2) + (22+2) \times 2}{2 \times 2} = \frac{(33333+3) \times (3+3+3) + (33+3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444+4) \times (4+4+4) + (44+4) \times 4}{4 \times 4} = \frac{(55555+5) \times (5+5+5) + (55+5) \times 5}{5 \times 5} = \frac{(66666+6) \times (6+6+6) + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(77777+7) \times (7+7+7) + (77+7) \times 7}{7 \times 7} = \frac{(88888+8) \times (8+8+8) + (88+8) \times 8}{8 \times 8} = \frac{(99999+9) \times (9+9+9) + (99+9) \times 9}{9 \times 9} \end{aligned}$$

333348

$$\begin{aligned} &:= \frac{(111111 + 1) \times (1 + 1 + 1) + (11 + 1) \times 1}{1 \times 1} = \frac{(222222 + 2) \times (2 + 2 + 2) + (22 + 2) \times 2}{2 \times 2} = \frac{(333333 + 3) \times (3 + 3 + 3) + (33 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444444 + 4) \times (4 + 4 + 4) + (44 + 4) \times 4}{4 \times 4} = \frac{(555555 + 5) \times (5 + 5 + 5) + (55 + 5) \times 5}{5 \times 5} = \frac{(666666 + 6) \times (6 + 6 + 6) + (66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777777 + 7) \times (7 + 7 + 7) + (77 + 7) \times 7}{7 \times 7} = \frac{(888888 + 8) \times (8 + 8 + 8) + (88 + 8) \times 8}{8 \times 8} = \frac{(999999 + 9) \times (9 + 9 + 9) + (99 + 9) \times 9}{9 \times 9} \end{aligned}$$

► 349

$$\begin{aligned} &:= \frac{(111 + 1) \times (1 + 1 + 1) + (11 + 1 + 1) \times 1}{1 \times 1} = \frac{(222 + 2) \times (2 + 2 + 2) + (22 + 2 + 2) \times 2}{2 \times 2} = \frac{(333 + 3) \times (3 + 3 + 3) + (33 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444 + 4) \times (4 + 4 + 4) + (44 + 4 + 4) \times 4}{4 \times 4} = \frac{(555 + 5) \times (5 + 5 + 5) + (55 + 5 + 5) \times 5}{5 \times 5} = \frac{(666 + 6) \times (6 + 6 + 6) + (66 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 + 7) \times (7 + 7 + 7) + (77 + 7 + 7) \times 7}{7 \times 7} = \frac{(888 + 8) \times (8 + 8 + 8) + (88 + 8 + 8) \times 8}{8 \times 8} = \frac{(999 + 9) \times (9 + 9 + 9) + (99 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

3349

$$\begin{aligned} &:= \frac{(1111 + 1) \times (1 + 1 + 1) + (11 + 1 + 1) \times 1}{1 \times 1} = \frac{(2222 + 2) \times (2 + 2 + 2) + (22 + 2 + 2) \times 2}{2 \times 2} = \frac{(3333 + 3) \times (3 + 3 + 3) + (33 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4) \times (4 + 4 + 4) + (44 + 4 + 4) \times 4}{4 \times 4} = \frac{(5555 + 5) \times (5 + 5 + 5) + (55 + 5 + 5) \times 5}{5 \times 5} = \frac{(6666 + 6) \times (6 + 6 + 6) + (66 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7) \times (7 + 7 + 7) + (77 + 7 + 7) \times 7}{7 \times 7} = \frac{(8888 + 8) \times (8 + 8 + 8) + (88 + 8 + 8) \times 8}{8 \times 8} = \frac{(9999 + 9) \times (9 + 9 + 9) + (99 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

33349

$$\begin{aligned} &:= \frac{(11111 + 1) \times (1 + 1 + 1) + (11 + 1 + 1) \times 1}{1 \times 1} = \frac{(22222 + 2) \times (2 + 2 + 2) + (22 + 2 + 2) \times 2}{2 \times 2} = \frac{(33333 + 3) \times (3 + 3 + 3) + (33 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44444 + 4) \times (4 + 4 + 4) + (44 + 4 + 4) \times 4}{4 \times 4} = \frac{(55555 + 5) \times (5 + 5 + 5) + (55 + 5 + 5) \times 5}{5 \times 5} = \frac{(66666 + 6) \times (6 + 6 + 6) + (66 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77777 + 7) \times (7 + 7 + 7) + (77 + 7 + 7) \times 7}{7 \times 7} = \frac{(88888 + 8) \times (8 + 8 + 8) + (88 + 8 + 8) \times 8}{8 \times 8} = \frac{(99999 + 9) \times (9 + 9 + 9) + (99 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

333349

$$\begin{aligned} &:= \frac{(111111 + 1) \times (1 + 1 + 1) + (11 + 1 + 1) \times 1}{1 \times 1} = \frac{(222222 + 2) \times (2 + 2 + 2) + (22 + 2 + 2) \times 2}{2 \times 2} = \frac{(333333 + 3) \times (3 + 3 + 3) + (33 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444444 + 4) \times (4 + 4 + 4) + (44 + 4 + 4) \times 4}{4 \times 4} = \frac{(555555 + 5) \times (5 + 5 + 5) + (55 + 5 + 5) \times 5}{5 \times 5} = \frac{(666666 + 6) \times (6 + 6 + 6) + (66 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777777 + 7) \times (7 + 7 + 7) + (77 + 7 + 7) \times 7}{7 \times 7} = \frac{(888888 + 8) \times (8 + 8 + 8) + (88 + 8 + 8) \times 8}{8 \times 8} = \frac{(999999 + 9) \times (9 + 9 + 9) + (99 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

333349

$$\begin{aligned} &:= \frac{(111111 + 1) \times (1 + 1 + 1) + (11 + 1 + 1) \times 1}{1 \times 1} = \frac{(222222 + 2) \times (2 + 2 + 2) + (22 + 2 + 2) \times 2}{2 \times 2} = \frac{(333333 + 3) \times (3 + 3 + 3) + (33 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444444 + 4) \times (4 + 4 + 4) + (44 + 4 + 4) \times 4}{4 \times 4} = \frac{(555555 + 5) \times (5 + 5 + 5) + (55 + 5 + 5) \times 5}{5 \times 5} = \frac{(666666 + 6) \times (6 + 6 + 6) + (66 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777777 + 7) \times (7 + 7 + 7) + (77 + 7 + 7) \times 7}{7 \times 7} = \frac{(888888 + 8) \times (8 + 8 + 8) + (88 + 8 + 8) \times 8}{8 \times 8} = \frac{(999999 + 9) \times (9 + 9 + 9) + (99 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

► 350

$$\begin{aligned} &:= \frac{(11 + 11) \times 11 + (111 - 1 - 1 - 1) \times 1}{1 \times 1} = \frac{(22 + 22) \times 22 + (222 - 2 - 2 - 2) \times 2}{2 \times 2} = \frac{(33 + 33) \times 33 + (333 - 3 - 3 - 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 + (444 - 4 - 4 - 4) \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + (555 - 5 - 5 - 5) \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + (666 - 6 - 6 - 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 + (777 - 7 - 7 - 7) \times 7}{7 \times 7} = \frac{(88 + 88) \times 88 + (888 - 8 - 8 - 8) \times 8}{8 \times 8} = \frac{(99 + 99) \times 99 + (999 - 9 - 9 - 9) \times 9}{9 \times 9} \end{aligned}$$

1350

$$\begin{aligned} &:= \frac{(11 + 11) \times 11 + (1111 - 1 - 1 - 1) \times 1}{1 \times 1} = \frac{(22 + 22) \times 22 + (2222 - 2 - 2 - 2) \times 2}{2 \times 2} = \frac{(33 + 33) \times 33 + (3333 - 3 - 3 - 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 + (4444 - 4 - 4 - 4) \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + (5555 - 5 - 5 - 5) \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + (6666 - 6 - 6 - 6) \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(77+77) \times 77 + (7777-7-7-7) \times 7}{7 \times 7} = \frac{(88+88) \times 88 + (8888-8-8-8) \times 8}{8 \times 8} = \frac{(99+99) \times 99 + (9999-9-9-9) \times 9}{9 \times 9}$$

11350 := $\frac{(11+11) \times 11 + (11111-1-1-1) \times 1}{1 \times 1} = \frac{(22+22) \times 22 + (22222-2-2-2) \times 2}{2 \times 2} = \frac{(33+33) \times 33 + (33333-3-3-3) \times 3}{3 \times 3}$

:= $\frac{(44+44) \times 44 + (44444-4-4-4) \times 4}{4 \times 4} = \frac{(55+55) \times 55 + (55555-5-5-5) \times 5}{5 \times 5} = \frac{(66+66) \times 66 + (66666-6-6-6) \times 6}{6 \times 6}$

:= $\frac{(77+77) \times 77 + (77777-7-7-7) \times 7}{7 \times 7} = \frac{(88+88) \times 88 + (88888-8-8-8) \times 8}{8 \times 8} = \frac{(99+99) \times 99 + (99999-9-9-9) \times 9}{9 \times 9}$

111350 := $\frac{(11+11) \times 11 + (111111-1-1-1) \times 1}{1 \times 1} = \frac{(22+22) \times 22 + (222222-2-2-2) \times 2}{2 \times 2} = \frac{(33+33) \times 33 + (333333-3-3-3) \times 3}{3 \times 3}$

:= $\frac{(44+44) \times 44 + (444444-4-4-4) \times 4}{4 \times 4} = \frac{(55+55) \times 55 + (555555-5-5-5) \times 5}{5 \times 5} = \frac{(66+66) \times 66 + (666666-6-6-6) \times 6}{6 \times 6}$

:= $\frac{(77+77) \times 77 + (777777-7-7-7) \times 7}{7 \times 7} = \frac{(88+88) \times 88 + (888888-8-8-8) \times 8}{8 \times 8} = \frac{(99+99) \times 99 + (999999-9-9-9) \times 9}{9 \times 9}$

► **351** := $\frac{(11+11) \times 11 + (111-1-1) \times 1}{1 \times 1} = \frac{(22+22) \times 22 + (222-2-2) \times 2}{2 \times 2} = \frac{(33+33) \times 33 + (333-3-3) \times 3}{3 \times 3}$

:= $\frac{(44+44) \times 44 + (444-4-4) \times 4}{4 \times 4} = \frac{(55+55) \times 55 + (555-5-5) \times 5}{5 \times 5} = \frac{(66+66) \times 66 + (666-6-6) \times 6}{6 \times 6}$

:= $\frac{(77+77) \times 77 + (777-7-7) \times 7}{7 \times 7} = \frac{(88+88) \times 88 + (888-8-8) \times 8}{8 \times 8} = \frac{(99+99) \times 99 + (999-9-9) \times 9}{9 \times 9}$

1351 := $\frac{(11+11) \times 11 + (1111-1-1) \times 1}{1 \times 1} = \frac{(22+22) \times 22 + (2222-2-2) \times 2}{2 \times 2} = \frac{(33+33) \times 33 + (3333-3-3) \times 3}{3 \times 3}$

:= $\frac{(44+44) \times 44 + (4444-4-4) \times 4}{4 \times 4} = \frac{(55+55) \times 55 + (5555-5-5) \times 5}{5 \times 5} = \frac{(66+66) \times 66 + (6666-6-6) \times 6}{6 \times 6}$

:= $\frac{(77+77) \times 77 + (7777-7-7) \times 7}{7 \times 7} = \frac{(88+88) \times 88 + (8888-8-8) \times 8}{8 \times 8} = \frac{(99+99) \times 99 + (9999-9-9) \times 9}{9 \times 9}$

11351 := $\frac{(11+11) \times 11 + (11111-1-1) \times 1}{1 \times 1} = \frac{(22+22) \times 22 + (22222-2-2) \times 2}{2 \times 2} = \frac{(33+33) \times 33 + (33333-3-3) \times 3}{3 \times 3}$

:= $\frac{(44+44) \times 44 + (44444-4-4) \times 4}{4 \times 4} = \frac{(55+55) \times 55 + (55555-5-5) \times 5}{5 \times 5} = \frac{(66+66) \times 66 + (66666-6-6) \times 6}{6 \times 6}$

:= $\frac{(77+77) \times 77 + (77777-7-7) \times 7}{7 \times 7} = \frac{(88+88) \times 88 + (88888-8-8) \times 8}{8 \times 8} = \frac{(99+99) \times 99 + (99999-9-9) \times 9}{9 \times 9}$

111351 := $\frac{(11+11) \times 11 + (111111-1-1) \times 1}{1 \times 1} = \frac{(22+22) \times 22 + (222222-2-2) \times 2}{2 \times 2} = \frac{(33+33) \times 33 + (333333-3-3) \times 3}{3 \times 3}$

:= $\frac{(44+44) \times 44 + (444444-4-4) \times 4}{4 \times 4} = \frac{(55+55) \times 55 + (555555-5-5) \times 5}{5 \times 5} = \frac{(66+66) \times 66 + (666666-6-6) \times 6}{6 \times 6}$

:= $\frac{(77+77) \times 77 + (777777-7-7) \times 7}{7 \times 7} = \frac{(88+88) \times 88 + (888888-8-8) \times 8}{8 \times 8} = \frac{(99+99) \times 99 + (999999-9-9) \times 9}{9 \times 9}$

► **352** := $\frac{(11+11) \times 11 + (111-1) \times 1}{1 \times 1} = \frac{(22+22) \times 22 + (222-2) \times 2}{2 \times 2} = \frac{(33+33) \times 33 + (333-3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44) \times 44 + (444 - 4) \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + (555 - 5) \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + (666 - 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 + (777 - 7) \times 7}{7 \times 7} = \frac{(88 + 88) \times 88 + (888 - 8) \times 8}{8 \times 8} = \frac{(99 + 99) \times 99 + (999 - 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1352} &:= \frac{(11 + 11) \times 11 + (1111 - 1) \times 1}{1 \times 1} = \frac{(22 + 22) \times 22 + (2222 - 2) \times 2}{2 \times 2} = \frac{(33 + 33) \times 33 + (3333 - 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 + (4444 - 4) \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + (5555 - 5) \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + (6666 - 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 + (7777 - 7) \times 7}{7 \times 7} = \frac{(88 + 88) \times 88 + (8888 - 8) \times 8}{8 \times 8} = \frac{(99 + 99) \times 99 + (9999 - 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11352} &:= \frac{(11 + 11) \times 11 + (11111 - 1) \times 1}{1 \times 1} = \frac{(22 + 22) \times 22 + (22222 - 2) \times 2}{2 \times 2} = \frac{(33 + 33) \times 33 + (33333 - 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 + (44444 - 4) \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + (55555 - 5) \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + (66666 - 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 + (77777 - 7) \times 7}{7 \times 7} = \frac{(88 + 88) \times 88 + (88888 - 8) \times 8}{8 \times 8} = \frac{(99 + 99) \times 99 + (99999 - 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111352} &:= \frac{(11 + 11) \times 11 + (111111 - 1) \times 1}{1 \times 1} = \frac{(22 + 22) \times 22 + (222222 - 2) \times 2}{2 \times 2} = \frac{(33 + 33) \times 33 + (333333 - 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 + (444444 - 4) \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + (555555 - 5) \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + (666666 - 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 + (777777 - 7) \times 7}{7 \times 7} = \frac{(88 + 88) \times 88 + (888888 - 8) \times 8}{8 \times 8} = \frac{(99 + 99) \times 99 + (999999 - 9) \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{353} &:= \frac{(11 + 11) \times 11 + 111 \times 1}{1 \times 1} = \frac{(22 + 22) \times 22 + 222 \times 2}{2 \times 2} = \frac{(33 + 33) \times 33 + 333 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 + 444 \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + 555 \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + 666 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 + 777 \times 7}{7 \times 7} = \frac{(88 + 88) \times 88 + 888 \times 8}{8 \times 8} = \frac{(99 + 99) \times 99 + 999 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1353} &:= \frac{(11 + 11) \times 11 + 1111 \times 1}{1 \times 1} = \frac{(22 + 22) \times 22 + 2222 \times 2}{2 \times 2} = \frac{(33 + 33) \times 33 + 3333 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 + 4444 \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + 5555 \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + 6666 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 + 7777 \times 7}{7 \times 7} = \frac{(88 + 88) \times 88 + 8888 \times 8}{8 \times 8} = \frac{(99 + 99) \times 99 + 9999 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11353} &:= \frac{(11 + 11) \times 11 + 11111 \times 1}{1 \times 1} = \frac{(22 + 22) \times 22 + 22222 \times 2}{2 \times 2} = \frac{(33 + 33) \times 33 + 33333 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times 44 + 44444 \times 4}{4 \times 4} = \frac{(55 + 55) \times 55 + 55555 \times 5}{5 \times 5} = \frac{(66 + 66) \times 66 + 66666 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times 77 + 77777 \times 7}{7 \times 7} = \frac{(88 + 88) \times 88 + 88888 \times 8}{8 \times 8} = \frac{(99 + 99) \times 99 + 99999 \times 9}{9 \times 9} \end{aligned}$$

111353

$$\begin{aligned} &:= \frac{(11+11) \times 11 + 111111 \times 1}{1 \times 1} = \frac{(22+22) \times 22 + 222222 \times 2}{2 \times 2} = \frac{(33+33) \times 33 + 333333 \times 3}{3 \times 3} \\ &:= \frac{(44+44) \times 44 + 444444 \times 4}{4 \times 4} = \frac{(55+55) \times 55 + 555555 \times 5}{5 \times 5} = \frac{(66+66) \times 66 + 666666 \times 6}{6 \times 6} \\ &:= \frac{(77+77) \times 77 + 777777 \times 7}{7 \times 7} = \frac{(88+88) \times 88 + 888888 \times 8}{8 \times 8} = \frac{(99+99) \times 99 + 999999 \times 9}{9 \times 9} \end{aligned}$$

► 354

$$\begin{aligned} &:= \frac{111+111+111+11+11-1}{1} = \frac{222+222+222+22+22-2}{2} = \frac{333+333+333+33+33-3}{3} \\ &:= \frac{444+444+444+44+44-4}{4} = \frac{555+555+555+55+55-5}{5} = \frac{666+666+666+66+66-6}{6} \\ &:= \frac{777+777+777+77+77-7}{7} = \frac{888+888+888+88+88-8}{8} = \frac{999+999+999+99+99-9}{9} \end{aligned}$$

1354

$$\begin{aligned} &:= \frac{1111+111+111+11+11-1}{1} = \frac{2222+222+222+22+22-2}{2} = \frac{3333+333+333+33+33-3}{3} \\ &:= \frac{4444+444+444+44+44-4}{4} = \frac{5555+555+555+55+55-5}{5} = \frac{6666+666+666+66+66-6}{6} \\ &:= \frac{7777+777+777+77+77-7}{7} = \frac{8888+888+888+88+88-8}{8} = \frac{9999+999+999+99+99-9}{9} \end{aligned}$$

11354

$$\begin{aligned} &:= \frac{11111+111+111+11+11-1}{1} = \frac{22222+222+222+22+22-2}{2} = \frac{33333+333+333+33+33-3}{3} \\ &:= \frac{44444+444+444+44+44-4}{4} = \frac{55555+555+555+55+55-5}{5} = \frac{66666+666+666+66+66-6}{6} \\ &:= \frac{77777+777+777+77+77-7}{7} = \frac{88888+888+888+88+88-8}{8} = \frac{99999+999+999+99+99-9}{9} \end{aligned}$$

111354

$$\begin{aligned} &:= \frac{111111+111+111+11+11-1}{1} = \frac{222222+222+222+22+22-2}{2} = \frac{333333+333+333+33+33-3}{3} \\ &:= \frac{444444+444+444+44+44-4}{4} = \frac{555555+555+555+55+55-5}{5} = \frac{666666+666+666+66+66-6}{6} \\ &:= \frac{777777+777+777+77+77-7}{7} = \frac{888888+888+888+88+88-8}{8} = \frac{999999+999+999+99+99-9}{9} \end{aligned}$$

► 355

$$\begin{aligned} &:= \frac{111+111+111+11+11}{1} = \frac{222+222+222+22+22}{2} = \frac{333+333+333+33+33}{3} \\ &:= \frac{444+444+444+44+44}{4} = \frac{555+555+555+55+55}{5} = \frac{666+666+666+66+66}{6} \\ &:= \frac{777+777+777+77+77}{7} = \frac{888+888+888+88+88}{8} = \frac{999+999+999+99+99}{9} \end{aligned}$$

1355

$$\begin{aligned} &:= \frac{1111+111+111+11+11}{1} = \frac{2222+222+222+22+22}{2} = \frac{3333+333+333+33+33}{3} \\ &:= \frac{4444+444+444+44+44}{4} = \frac{5555+555+555+55+55}{5} = \frac{6666+666+666+66+66}{6} \end{aligned}$$

201

$$:= \frac{7777 + 777 + 777 + 77 + 77}{7} = \frac{8888 + 888 + 888 + 88 + 88}{8} = \frac{9999 + 999 + 999 + 99 + 99}{9}$$

$$\begin{aligned} \textcolor{red}{11355} &:= \frac{11111 + 111 + 111 + 11 + 11}{1} = \frac{22222 + 222 + 222 + 22 + 22}{2} = \frac{33333 + 333 + 333 + 33 + 33}{3} \\ &:= \frac{44444 + 444 + 444 + 44 + 44}{4} = \frac{55555 + 555 + 555 + 55 + 55}{5} = \frac{66666 + 666 + 666 + 66 + 66}{6} \\ &:= \frac{77777 + 777 + 777 + 77 + 77}{7} = \frac{88888 + 888 + 888 + 88 + 88}{8} = \frac{99999 + 999 + 999 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111355} &:= \frac{111111 + 111 + 111 + 11 + 11}{1} = \frac{222222 + 222 + 222 + 22 + 22}{2} = \frac{333333 + 333 + 333 + 33 + 33}{3} \\ &:= \frac{444444 + 444 + 444 + 44 + 44}{4} = \frac{555555 + 555 + 555 + 55 + 55}{5} = \frac{666666 + 666 + 666 + 66 + 66}{6} \\ &:= \frac{777777 + 777 + 777 + 77 + 77}{7} = \frac{888888 + 888 + 888 + 88 + 88}{8} = \frac{999999 + 999 + 999 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{356} &:= \frac{111 + 111 + 111 + 11 + 11 + 1}{1} = \frac{222 + 222 + 222 + 22 + 22 + 2}{2} = \frac{333 + 333 + 333 + 33 + 33 + 3}{3} \\ &:= \frac{444 + 444 + 444 + 44 + 44 + 4}{4} = \frac{555 + 555 + 555 + 55 + 55 + 5}{5} = \frac{666 + 666 + 666 + 66 + 66 + 6}{6} \\ &:= \frac{777 + 777 + 777 + 77 + 77 + 7}{7} = \frac{888 + 888 + 888 + 88 + 88 + 8}{8} = \frac{999 + 999 + 999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1356} &:= \frac{1111 + 111 + 111 + 11 + 11 + 1}{1} = \frac{2222 + 222 + 222 + 22 + 22 + 2}{2} = \frac{3333 + 333 + 333 + 33 + 33 + 3}{3} \\ &:= \frac{4444 + 444 + 444 + 44 + 44 + 4}{4} = \frac{5555 + 555 + 555 + 55 + 55 + 5}{5} = \frac{6666 + 666 + 666 + 66 + 66 + 6}{6} \\ &:= \frac{7777 + 777 + 777 + 77 + 77 + 7}{7} = \frac{8888 + 888 + 888 + 88 + 88 + 8}{8} = \frac{9999 + 999 + 999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11356} &:= \frac{11111 + 111 + 111 + 11 + 11 + 1}{1} = \frac{22222 + 222 + 222 + 22 + 22 + 2}{2} = \frac{33333 + 333 + 333 + 33 + 33 + 3}{3} \\ &:= \frac{44444 + 444 + 444 + 44 + 44 + 4}{4} = \frac{55555 + 555 + 555 + 55 + 55 + 5}{5} = \frac{66666 + 666 + 666 + 66 + 66 + 6}{6} \\ &:= \frac{77777 + 777 + 777 + 77 + 77 + 7}{7} = \frac{88888 + 888 + 888 + 88 + 88 + 8}{8} = \frac{99999 + 999 + 999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111356} &:= \frac{111111 + 111 + 111 + 11 + 11 + 1}{1} = \frac{222222 + 222 + 222 + 22 + 22 + 2}{2} = \frac{333333 + 333 + 333 + 33 + 33 + 3}{3} \\ &:= \frac{444444 + 444 + 444 + 44 + 44 + 4}{4} = \frac{555555 + 555 + 555 + 55 + 55 + 5}{5} = \frac{666666 + 666 + 666 + 66 + 66 + 6}{6} \\ &:= \frac{777777 + 777 + 777 + 77 + 77 + 7}{7} = \frac{888888 + 888 + 888 + 88 + 88 + 8}{8} = \frac{999999 + 999 + 999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{357} := \frac{(111 + 11 + 1) \times (1 + 1) + 111 \times 1}{1 \times 1} = \frac{(222 + 22 + 2) \times (2 + 2) + 222 \times 2}{2 \times 2} = \frac{(333 + 33 + 3) \times (3 + 3) + 333 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 44 + 4) \times (4 + 4) + 444 \times 4}{4 \times 4} = \frac{(555 + 55 + 5) \times (5 + 5) + 555 \times 5}{5 \times 5} = \frac{(666 + 66 + 6) \times (6 + 6) + 666 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7) \times (7 + 7) + 777 \times 7}{7 \times 7} = \frac{(888 + 88 + 8) \times (8 + 8) + 888 \times 8}{8 \times 8} = \frac{(999 + 99 + 9) \times (9 + 9) + 999 \times 9}{9 \times 9} \end{aligned}$$

1357 := $\frac{(111 + 11 + 1) \times (1 + 1) + 1111 \times 1}{1 \times 1} = \frac{(222 + 22 + 2) \times (2 + 2) + 2222 \times 2}{2 \times 2} = \frac{(333 + 33 + 3) \times (3 + 3) + 3333 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 44 + 4) \times (4 + 4) + 4444 \times 4}{4 \times 4} = \frac{(555 + 55 + 5) \times (5 + 5) + 5555 \times 5}{5 \times 5} = \frac{(666 + 66 + 6) \times (6 + 6) + 6666 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7) \times (7 + 7) + 7777 \times 7}{7 \times 7} = \frac{(888 + 88 + 8) \times (8 + 8) + 8888 \times 8}{8 \times 8} = \frac{(999 + 99 + 9) \times (9 + 9) + 9999 \times 9}{9 \times 9} \end{aligned}$$

11357 := $\frac{(111 + 11 + 1) \times (1 + 1) + 11111 \times 1}{1 \times 1} = \frac{(222 + 22 + 2) \times (2 + 2) + 22222 \times 2}{2 \times 2} = \frac{(333 + 33 + 3) \times (3 + 3) + 33333 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 44 + 4) \times (4 + 4) + 44444 \times 4}{4 \times 4} = \frac{(555 + 55 + 5) \times (5 + 5) + 55555 \times 5}{5 \times 5} = \frac{(666 + 66 + 6) \times (6 + 6) + 66666 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7) \times (7 + 7) + 77777 \times 7}{7 \times 7} = \frac{(888 + 88 + 8) \times (8 + 8) + 88888 \times 8}{8 \times 8} = \frac{(999 + 99 + 9) \times (9 + 9) + 99999 \times 9}{9 \times 9} \end{aligned}$$

111357 := $\frac{(111 + 11 + 1) \times (1 + 1) + 111111 \times 1}{1 \times 1} = \frac{(222 + 22 + 2) \times (2 + 2) + 222222 \times 2}{2 \times 2} = \frac{(333 + 33 + 3) \times (3 + 3) + 333333 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 44 + 4) \times (4 + 4) + 444444 \times 4}{4 \times 4} = \frac{(555 + 55 + 5) \times (5 + 5) + 555555 \times 5}{5 \times 5} = \frac{(666 + 66 + 6) \times (6 + 6) + 666666 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7) \times (7 + 7) + 777777 \times 7}{7 \times 7} = \frac{(888 + 88 + 8) \times (8 + 8) + 888888 \times 8}{8 \times 8} = \frac{(999 + 99 + 9) \times (9 + 9) + 999999 \times 9}{9 \times 9} \end{aligned}$$

► **358** := $\frac{(111 + 11 + 1) \times (1 + 1) + (111 + 1) \times 1}{1 \times 1} = \frac{(222 + 22 + 2) \times (2 + 2) + (222 + 2) \times 2}{2 \times 2} = \frac{(333 + 33 + 3) \times (3 + 3) + (333 + 3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 44 + 4) \times (4 + 4) + (444 + 4) \times 4}{4 \times 4} = \frac{(555 + 55 + 5) \times (5 + 5) + (555 + 5) \times 5}{5 \times 5} = \frac{(666 + 66 + 6) \times (6 + 6) + (666 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7) \times (7 + 7) + (777 + 7) \times 7}{7 \times 7} = \frac{(888 + 88 + 8) \times (8 + 8) + (888 + 8) \times 8}{8 \times 8} = \frac{(999 + 99 + 9) \times (9 + 9) + (999 + 9) \times 9}{9 \times 9} \end{aligned}$$

1358 := $\frac{(111 + 11 + 1) \times (1 + 1) + (1111 + 1) \times 1}{1 \times 1} = \frac{(222 + 22 + 2) \times (2 + 2) + (2222 + 2) \times 2}{2 \times 2} = \frac{(333 + 33 + 3) \times (3 + 3) + (3333 + 3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 44 + 4) \times (4 + 4) + (4444 + 4) \times 4}{4 \times 4} = \frac{(555 + 55 + 5) \times (5 + 5) + (5555 + 5) \times 5}{5 \times 5} = \frac{(666 + 66 + 6) \times (6 + 6) + (6666 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7) \times (7 + 7) + (7777 + 7) \times 7}{7 \times 7} = \frac{(888 + 88 + 8) \times (8 + 8) + (8888 + 8) \times 8}{8 \times 8} = \frac{(999 + 99 + 9) \times (9 + 9) + (9999 + 9) \times 9}{9 \times 9} \end{aligned}$$

11358 := $\frac{(111 + 11 + 1) \times (1 + 1) + (11111 + 1) \times 1}{1 \times 1} = \frac{(222 + 22 + 2) \times (2 + 2) + (22222 + 2) \times 2}{2 \times 2} = \frac{(333 + 33 + 3) \times (3 + 3) + (33333 + 3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 44 + 4) \times (4 + 4) + (44444 + 4) \times 4}{4 \times 4} = \frac{(555 + 55 + 5) \times (5 + 5) + (55555 + 5) \times 5}{5 \times 5} = \frac{(666 + 66 + 6) \times (6 + 6) + (66666 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7) \times (7 + 7) + (77777 + 7) \times 7}{7 \times 7} = \frac{(888 + 88 + 8) \times (8 + 8) + (88888 + 8) \times 8}{8 \times 8} = \frac{(999 + 99 + 9) \times (9 + 9) + (99999 + 9) \times 9}{9 \times 9} \end{aligned}$$

111358 :=
$$\frac{(111 + 11 + 1) \times (1 + 1) + (111111 + 1) \times 1}{1 \times 1} = \frac{(222 + 22 + 2) \times (2 + 2) + (222222 + 2) \times 2}{2 \times 2} = \frac{(333 + 33 + 3) \times (3 + 3) + (333333 + 3) \times 3}{3 \times 3}$$
$$:= \frac{(444 + 44 + 4) \times (4 + 4) + (444444 + 4) \times 4}{4 \times 4} = \frac{(555 + 55 + 5) \times (5 + 5) + (555555 + 5) \times 5}{5 \times 5} = \frac{(666 + 66 + 6) \times (6 + 6) + (666666 + 6) \times 6}{6 \times 6}$$
$$:= \frac{(777 + 77 + 7) \times (7 + 7) + (777777 + 7) \times 7}{7 \times 7} = \frac{(888 + 88 + 8) \times (8 + 8) + (888888 + 8) \times 8}{8 \times 8} = \frac{(999 + 99 + 9) \times (9 + 9) + (999999 + 9) \times 9}{9 \times 9}$$

359 :=
$$\frac{1111 - 11 - 11 - 11 - 1}{1 + 1 + 1} = \frac{2222 - 22 - 22 - 22 - 2}{2 + 2 + 2} = \frac{3333 - 33 - 33 - 33 - 3}{3 + 3 + 3}$$
$$:= \frac{4444 - 44 - 44 - 44 - 4}{4 + 4 + 4} = \frac{5555 - 55 - 55 - 55 - 5}{5 + 5 + 5} = \frac{6666 - 66 - 66 - 66 - 6}{6 + 6 + 6}$$
$$:= \frac{7777 - 77 - 77 - 77 - 7}{7 + 7 + 7} = \frac{8888 - 88 - 88 - 88 - 8}{8 + 8 + 8} = \frac{9999 - 99 - 99 - 99 - 9}{9 + 9 + 9}$$

370359 :=
$$\frac{1111111 - 11 - 11 - 11 - 1}{1 + 1 + 1} = \frac{2222222 - 22 - 22 - 22 - 2}{2 + 2 + 2} = \frac{3333333 - 33 - 33 - 33 - 3}{3 + 3 + 3}$$
$$:= \frac{4444444 - 44 - 44 - 44 - 4}{4 + 4 + 4} = \frac{5555555 - 55 - 55 - 55 - 5}{5 + 5 + 5} = \frac{6666666 - 66 - 66 - 66 - 6}{6 + 6 + 6}$$
$$:= \frac{7777777 - 77 - 77 - 77 - 7}{7 + 7 + 7} = \frac{8888888 - 88 - 88 - 88 - 8}{8 + 8 + 8} = \frac{9999999 - 99 - 99 - 99 - 9}{9 + 9 + 9}$$

370370359 :=
$$\frac{1111111111 - 11 - 11 - 11 - 1}{1 + 1 + 1} = \frac{2222222222 - 22 - 22 - 22 - 2}{2 + 2 + 2} = \frac{3333333333 - 33 - 33 - 33 - 3}{3 + 3 + 3}$$
$$:= \frac{4444444444 - 44 - 44 - 44 - 4}{4 + 4 + 4} = \frac{5555555555 - 55 - 55 - 55 - 5}{5 + 5 + 5} = \frac{6666666666 - 66 - 66 - 66 - 6}{6 + 6 + 6}$$
$$:= \frac{7777777777 - 77 - 77 - 77 - 7}{7 + 7 + 7} = \frac{8888888888 - 88 - 88 - 88 - 8}{8 + 8 + 8} = \frac{9999999999 - 99 - 99 - 99 - 9}{9 + 9 + 9}$$

370370370359 :=
$$\frac{1111111111111 - 11 - 11 - 11 - 1}{1 + 1 + 1} = \frac{2222222222222 - 22 - 22 - 22 - 2}{2 + 2 + 2} = \frac{3333333333333 - 33 - 33 - 33 - 3}{3 + 3 + 3}$$
$$:= \frac{4444444444444 - 44 - 44 - 44 - 4}{4 + 4 + 4} = \frac{5555555555555 - 55 - 55 - 55 - 5}{5 + 5 + 5} = \frac{6666666666666 - 66 - 66 - 66 - 6}{6 + 6 + 6}$$
$$:= \frac{7777777777777 - 77 - 77 - 77 - 7}{7 + 7 + 7} = \frac{8888888888888 - 88 - 88 - 88 - 8}{8 + 8 + 8} = \frac{9999999999999 - 99 - 99 - 99 - 9}{9 + 9 + 9}$$

360 :=
$$\frac{(111 + 11 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 22 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 33 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(444 + 44 - 4 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 55 - 5 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 66 - 6 - 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 77 - 7 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 88 - 8 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 99 - 9 - 9) \times (9 + 9 + 9)}{9 \times 9}$$

3360 :=
$$\frac{(1111 + 11 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 22 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 33 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(4444 + 44 - 4 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 55 - 5 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 66 - 6 - 6) \times (6 + 6 + 6)}{6 \times 6}$$

$$:= \frac{(7777 + 77 - 7 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 88 - 8 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 99 - 9 - 9) \times (9 + 9 + 9)}{9 \times 9}$$

33360 := $\frac{(11111 + 11 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 22 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 33 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44444 + 44 - 4 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 55 - 5 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 66 - 6 - 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 77 - 7 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 88 - 8 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 99 - 9 - 9) \times (9 + 9 + 9)}{9 \times 9}$$

333360 := $\frac{(111111 + 11 - 1 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 22 - 2 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 33 - 3 - 3) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(444444 + 44 - 4 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 55 - 5 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 66 - 6 - 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 77 - 7 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 88 - 8 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 99 - 9 - 9) \times (9 + 9 + 9)}{9 \times 9}$$

► **361** := $\frac{(111 + 11 - 1 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 22 - 2 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 33 - 3 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444 + 44 - 4 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 55 - 5 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 66 - 6 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 77 - 7 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 88 - 8 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 99 - 9 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

3361 := $\frac{(1111 + 11 - 1 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 22 - 2 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 33 - 3 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(4444 + 44 - 4 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 55 - 5 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 66 - 6 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 77 - 7 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 88 - 8 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 99 - 9 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

33361 := $\frac{(11111 + 11 - 1 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 22 - 2 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 33 - 3 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(44444 + 44 - 4 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 55 - 5 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 66 - 6 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 77 - 7 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 88 - 8 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 99 - 9 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

333361 := $\frac{(111111 + 11 - 1 - 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 22 - 2 - 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 33 - 3 - 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444444 + 44 - 4 - 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 55 - 5 - 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 66 - 6 - 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 77 - 7 - 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 88 - 8 - 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 99 - 9 - 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

► **362** := $\frac{(11 + 11 + 11) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times 33 - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 44) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

3662 := $\frac{(11 + 11 + 11) \times 111 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times 222 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times 333 - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 44) \times 444 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times 555 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times 666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times 777 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times 888 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times 999 - 9 \times 9}{9 \times 9} \end{aligned}$$

36662 := $\frac{(11 + 11 + 11) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times 3333 - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 44) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

366662 := $\frac{(11 + 11 + 11) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times 33333 - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 44) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

► **363** := $\frac{(11 + 11 + 11) \times 11}{1 \times 1} = \frac{(22 + 22 + 22) \times 22}{2 \times 2} = \frac{(33 + 33 + 33) \times 33}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 44) \times 44}{4 \times 4} = \frac{(55 + 55 + 55) \times 55}{5 \times 5} = \frac{(66 + 66 + 66) \times 66}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times 77}{7 \times 7} = \frac{(88 + 88 + 88) \times 88}{8 \times 8} = \frac{(99 + 99 + 99) \times 99}{9 \times 9} \end{aligned}$$

3663 := $\frac{(11 + 11 + 11) \times 111}{1 \times 1} = \frac{(22 + 22 + 22) \times 222}{2 \times 2} = \frac{(33 + 33 + 33) \times 333}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 44) \times 444}{4 \times 4} = \frac{(55 + 55 + 55) \times 555}{5 \times 5} = \frac{(66 + 66 + 66) \times 666}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times 777}{7 \times 7} = \frac{(88 + 88 + 88) \times 888}{8 \times 8} = \frac{(99 + 99 + 99) \times 999}{9 \times 9} \end{aligned}$$

36663 := $\frac{(11 + 11 + 11) \times 1111}{1 \times 1} = \frac{(22 + 22 + 22) \times 2222}{2 \times 2} = \frac{(33 + 33 + 33) \times 3333}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 44) \times 4444}{4 \times 4} = \frac{(55 + 55 + 55) \times 5555}{5 \times 5} = \frac{(66 + 66 + 66) \times 6666}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times 7777}{7 \times 7} = \frac{(88 + 88 + 88) \times 8888}{8 \times 8} = \frac{(99 + 99 + 99) \times 9999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{366663} &:= \frac{(11+11+11) \times 11111}{1 \times 1} = \frac{(22+22+22) \times 22222}{2 \times 2} = \frac{(33+33+33) \times 33333}{3 \times 3} \\ &:= \frac{(44+44+44) \times 44444}{4 \times 4} = \frac{(55+55+55) \times 55555}{5 \times 5} = \frac{(66+66+66) \times 66666}{6 \times 6} \\ &:= \frac{(77+77+77) \times 77777}{7 \times 7} = \frac{(88+88+88) \times 88888}{8 \times 8} = \frac{(99+99+99) \times 99999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{364} &:= \frac{(11+11+11) \times 11+1 \times 1}{1 \times 1} = \frac{(22+22+22) \times 22+2 \times 2}{2 \times 2} = \frac{(33+33+33) \times 33+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44) \times 44+4 \times 4}{4 \times 4} = \frac{(55+55+55) \times 55+5 \times 5}{5 \times 5} = \frac{(66+66+66) \times 66+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77) \times 77+7 \times 7}{7 \times 7} = \frac{(88+88+88) \times 88+8 \times 8}{8 \times 8} = \frac{(99+99+99) \times 99+9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{3664} &:= \frac{(11+11+11) \times 111+1 \times 1}{1 \times 1} = \frac{(22+22+22) \times 222+2 \times 2}{2 \times 2} = \frac{(33+33+33) \times 333+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44) \times 444+4 \times 4}{4 \times 4} = \frac{(55+55+55) \times 555+5 \times 5}{5 \times 5} = \frac{(66+66+66) \times 666+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77) \times 777+7 \times 7}{7 \times 7} = \frac{(88+88+88) \times 888+8 \times 8}{8 \times 8} = \frac{(99+99+99) \times 999+9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{36664} &:= \frac{(11+11+11) \times 1111+1 \times 1}{1 \times 1} = \frac{(22+22+22) \times 2222+2 \times 2}{2 \times 2} = \frac{(33+33+33) \times 3333+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44) \times 4444+4 \times 4}{4 \times 4} = \frac{(55+55+55) \times 5555+5 \times 5}{5 \times 5} = \frac{(66+66+66) \times 6666+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77) \times 7777+7 \times 7}{7 \times 7} = \frac{(88+88+88) \times 8888+8 \times 8}{8 \times 8} = \frac{(99+99+99) \times 9999+9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{366664} &:= \frac{(11+11+11) \times 11111+1 \times 1}{1 \times 1} = \frac{(22+22+22) \times 22222+2 \times 2}{2 \times 2} = \frac{(33+33+33) \times 33333+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44) \times 44444+4 \times 4}{4 \times 4} = \frac{(55+55+55) \times 55555+5 \times 5}{5 \times 5} = \frac{(66+66+66) \times 66666+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77) \times 77777+7 \times 7}{7 \times 7} = \frac{(88+88+88) \times 88888+8 \times 8}{8 \times 8} = \frac{(99+99+99) \times 99999+9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{365} &:= \frac{(111+11) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(222+22) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(333+33) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+44) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(555+55) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(666+66) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777+77) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(888+88) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(999+99) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{3365} &:= \frac{(1111+11) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(2222+22) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(3333+33) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+44) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(5555+55) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(6666+66) \times (6+6+6) - 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9}$$

33365 := $\frac{(11111 + 11) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(44444 + 44) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9}$$

333365 := $\frac{(111111 + 11) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 + 22) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 + 33) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(444444 + 44) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 + 55) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 + 66) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 + 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 + 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9}$$

► **366** := $\frac{(111 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 33) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(444 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 66) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 99) \times (9 + 9 + 9)}{9 \times 9}$$

3366 := $\frac{(1111 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 33) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(4444 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 66) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(7777 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 99) \times (9 + 9 + 9)}{9 \times 9}$$

33366 := $\frac{(11111 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 33) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44444 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 66) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 99) \times (9 + 9 + 9)}{9 \times 9}$$

333366 := $\frac{(111111 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 33) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(444444 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 66) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 99) \times (9 + 9 + 9)}{9 \times 9}$$

► **367** := $\frac{(111 + 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

3367 := $\frac{(1111 + 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444 + 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

33367 := $\frac{(11111 + 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444 + 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

333367 := $\frac{(111111 + 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444444 + 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► **368** := $\frac{(111 + 11) \times (1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(222 + 22) \times (2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(333 + 33) \times (3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 44) \times (4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(555 + 55) \times (5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(666 + 66) \times (6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77) \times (7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(888 + 88) \times (8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(999 + 99) \times (9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

3368 := $\frac{(1111 + 11) \times (1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(2222 + 22) \times (2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(3333 + 33) \times (3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444 + 44) \times (4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(5555 + 55) \times (5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(6666 + 66) \times (6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 77) \times (7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(8888 + 88) \times (8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(9999 + 99) \times (9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

33368 := $\frac{(11111 + 11) \times (1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22) \times (2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33) \times (3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444 + 44) \times (4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55) \times (5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66) \times (6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77) \times (7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88) \times (8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99) \times (9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{333368} &:= \frac{(111111 + 11) \times (1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(222222 + 22) \times (2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(333333 + 33) \times (3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 44) \times (4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(555555 + 55) \times (5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(666666 + 66) \times (6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 77) \times (7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(888888 + 88) \times (8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(999999 + 99) \times (9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

► **369** := $\frac{1111-1-1-1-1}{1+1+1} = \frac{2222-2-2-2-2}{2+2+2} = \frac{3333-3-3-3-3}{3+3+3}$
:= $\frac{4444-4-4-4-4}{4+4+4} = \frac{5555-5-5-5-5}{5+5+5} = \frac{6666-6-6-6-6}{6+6+6}$
:= $\frac{7777-7-7-7-7}{7+7+7} = \frac{8888-8-8-8-8}{8+8+8} = \frac{9999-9-9-9-9}{9+9+9}$

$$\begin{aligned} \mathbf{3699} &:= \frac{11111-11-1-1-1}{1+1+1} = \frac{22222-22-2-2-2}{2+2+2} = \frac{33333-33-3-3-3}{3+3+3} \\ &:= \frac{44444-44-4-4-4}{4+4+4} = \frac{55555-55-5-5-5}{5+5+5} = \frac{66666-66-6-6-6}{6+6+6} \\ &:= \frac{77777-77-7-7-7}{7+7+7} = \frac{88888-88-8-8-8}{8+8+8} = \frac{99999-99-9-9-9}{9+9+9} \end{aligned}$$

$$\begin{aligned} \mathbf{36999} &:= \frac{111111 - 111 - 1 - 1 - 1}{1 + 1 + 1} = \frac{222222 - 222 - 2 - 2 - 2}{2 + 2 + 2} = \frac{333333 - 333 - 3 - 3 - 3}{3 + 3 + 3} \\ &:= \frac{444444 - 444 - 4 - 4 - 4}{4 + 4 + 4} = \frac{555555 - 555 - 5 - 5 - 5}{5 + 5 + 5} = \frac{666666 - 666 - 6 - 6 - 6}{6 + 6 + 6} \\ &:= \frac{777777 - 777 - 7 - 7 - 7}{7 + 7 + 7} = \frac{888888 - 888 - 8 - 8 - 8}{8 + 8 + 8} = \frac{999999 - 999 - 9 - 9 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{369999} &:= \frac{1111111 - 1111 - 1 - 1 - 1}{1 + 1 + 1} = \frac{2222222 - 2222 - 2 - 2 - 2}{2 + 2 + 2} = \frac{3333333 - 3333 - 3 - 3 - 3}{3 + 3 + 3} \\ &:= \frac{4444444 - 4444 - 4 - 4 - 4}{4 + 4 + 4} = \frac{5555555 - 5555 - 5 - 5 - 5}{5 + 5 + 5} = \frac{6666666 - 6666 - 6 - 6 - 6}{6 + 6 + 6} \\ &:= \frac{7777777 - 7777 - 7 - 7 - 7}{7 + 7 + 7} = \frac{8888888 - 8888 - 8 - 8 - 8}{8 + 8 + 8} = \frac{9999999 - 9999 - 9 - 9 - 9}{9 + 9 + 9} \end{aligned}$$

► **370** := $\frac{1111-1}{1+1+1} = \frac{2222-2}{2+2+2} = \frac{3333-3}{3+3+3} = \frac{4444-4}{4+4+4} = \frac{5555-5}{5+5+5} = \frac{6666-6}{6+6+6}$
 := $\frac{7777-7}{7+7+7} = \frac{8888-8}{8+8+8} = \frac{9999-9}{9+9+9}$

$$\begin{aligned} \mathbf{3700} &:= \frac{11111-11}{1+1+1} = \frac{22222-22}{2+2+2} = \frac{33333-33}{3+3+3} = \frac{44444-44}{4+4+4} = \frac{55555-55}{5+5+5} = \frac{66666-66}{6+6+6} \\ &:= \frac{77777-77}{7+7+7} = \frac{88888-88}{8+8+8} = \frac{99999-99}{9+9+9} \end{aligned}$$

$$\mathbf{37000} := \frac{111111 - 111}{1+1+1} = \frac{222222 - 222}{2+2+2} = \frac{333333 - 333}{3+3+3} = \frac{444444 - 444}{4+4+4} = \frac{555555 - 555}{5+5+5} = \frac{666666 - 666}{6+6+6}$$

$$:= \frac{777777 - 777}{7 + 7 + 7} = \frac{888888 - 888}{8 + 8 + 8} = \frac{999999 - 999}{9 + 9 + 9}$$

$$\begin{aligned} \mathbf{370000} &:= \frac{1111111 - 1111}{1 + 1 + 1} = \frac{2222222 - 2222}{2 + 2 + 2} = \frac{3333333 - 3333}{3 + 3 + 3} = \frac{4444444 - 4444}{4 + 4 + 4} = \frac{5555555 - 5555}{5 + 5 + 5} = \frac{6666666 - 6666}{6 + 6 + 6} \\ &:= \frac{7777777 - 7777}{7 + 7 + 7} = \frac{8888888 - 8888}{8 + 8 + 8} = \frac{9999999 - 9999}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{371} &:= \frac{(111 + 11 + 1 + 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 22 + 2 + 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 33 + 3 + 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 44 + 4 + 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 55 + 5 + 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 66 + 6 + 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 77 + 7 + 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 88 + 8 + 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 99 + 9 + 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{3371} &:= \frac{(1111 + 11 + 1 + 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 22 + 2 + 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 33 + 3 + 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 44 + 4 + 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 + 55 + 5 + 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 + 66 + 6 + 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 77 + 7 + 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 88 + 8 + 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 99 + 9 + 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{33371} &:= \frac{(11111 + 11 + 1 + 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22 + 2 + 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33 + 3 + 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44 + 4 + 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55 + 5 + 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66 + 6 + 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77 + 7 + 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88 + 8 + 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99 + 9 + 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{333371} &:= \frac{(11111 + 11 + 1 + 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22 + 2 + 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33 + 3 + 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44 + 4 + 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55 + 5 + 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66 + 6 + 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77 + 7 + 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88 + 8 + 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99 + 9 + 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{372} &:= \frac{(111 + 11 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 22 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 33 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 44 + 4 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 55 + 5 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 66 + 6 + 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77 + 7 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 88 + 8 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 99 + 9 + 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{3372} &:= \frac{(1111 + 11 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 22 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 33 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 + 4 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 55 + 5 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 66 + 6 + 6) \times (6 + 6 + 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 77 + 7 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 88 + 8 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 99 + 9 + 9) \times (9 + 9 + 9)}{9 \times 9}$$

33372

$$:= \frac{(11111 + 11 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 22 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 33 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(44444 + 44 + 4 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 55 + 5 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 66 + 6 + 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 77 + 7 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 88 + 8 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 99 + 9 + 9) \times (9 + 9 + 9)}{9 \times 9}$$

333372

$$:= \frac{(111111 + 11 + 1 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 22 + 2 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 33 + 3 + 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(444444 + 44 + 4 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 55 + 5 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 66 + 6 + 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 77 + 7 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 88 + 8 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 99 + 9 + 9) \times (9 + 9 + 9)}{9 \times 9}$$

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$$:= \frac{(11 + 11 + 11 + 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22 + 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33 + 3) \times 33 - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44 + 44 + 44 + 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55 + 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66 + 6) \times 66 - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77 + 77 + 77 + 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88 + 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99 + 9) \times 99 - 9 \times 9}{9 \times 9}$$

3773

$$:= \frac{(11 + 11 + 11 + 1) \times 111 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22 + 2) \times 222 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33 + 3) \times 333 - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44 + 44 + 44 + 4) \times 444 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55 + 5) \times 555 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66 + 6) \times 666 - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77 + 77 + 77 + 7) \times 777 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88 + 8) \times 888 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99 + 9) \times 999 - 9 \times 9}{9 \times 9}$$

37773

$$:= \frac{(11 + 11 + 11 + 1) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22 + 2) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33 + 3) \times 3333 - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44 + 44 + 44 + 4) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55 + 5) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66 + 6) \times 6666 - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77 + 77 + 77 + 7) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88 + 8) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99 + 9) \times 9999 - 9 \times 9}{9 \times 9}$$

377773

$$:= \frac{(11 + 11 + 11 + 1) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22 + 2) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33 + 3) \times 33333 - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44 + 44 + 44 + 4) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55 + 5) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66 + 6) \times 66666 - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77 + 77 + 77 + 7) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88 + 8) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99 + 9) \times 99999 - 9 \times 9}{9 \times 9}$$

► 374

$$:= \frac{(11 + 11 + 11 + 1) \times 11}{1 \times 1} = \frac{(22 + 22 + 22 + 2) \times 22}{2 \times 2} = \frac{(33 + 33 + 33 + 3) \times 33}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44+44+44+4) \times 44}{4 \times 4} = \frac{(55+55+55+5) \times 55}{5 \times 5} = \frac{(66+66+66+6) \times 66}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 77}{7 \times 7} = \frac{(88+88+88+8) \times 88}{8 \times 8} = \frac{(99+99+99+9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3774} &:= \frac{(11+11+11+1) \times 111}{1 \times 1} = \frac{(22+22+22+2) \times 222}{2 \times 2} = \frac{(33+33+33+3) \times 333}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 444}{4 \times 4} = \frac{(55+55+55+5) \times 555}{5 \times 5} = \frac{(66+66+66+6) \times 666}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 777}{7 \times 7} = \frac{(88+88+88+8) \times 888}{8 \times 8} = \frac{(99+99+99+9) \times 999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{37774} &:= \frac{(11+11+11+1) \times 1111}{1 \times 1} = \frac{(22+22+22+2) \times 2222}{2 \times 2} = \frac{(33+33+33+3) \times 3333}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 4444}{4 \times 4} = \frac{(55+55+55+5) \times 5555}{5 \times 5} = \frac{(66+66+66+6) \times 6666}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 7777}{7 \times 7} = \frac{(88+88+88+8) \times 8888}{8 \times 8} = \frac{(99+99+99+9) \times 9999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{377774} &:= \frac{(11+11+11+1) \times 11111}{1 \times 1} = \frac{(22+22+22+2) \times 22222}{2 \times 2} = \frac{(33+33+33+3) \times 33333}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 44444}{4 \times 4} = \frac{(55+55+55+5) \times 55555}{5 \times 5} = \frac{(66+66+66+6) \times 66666}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 77777}{7 \times 7} = \frac{(88+88+88+8) \times 88888}{8 \times 8} = \frac{(99+99+99+9) \times 99999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{375} &:= \frac{(11+11+11+1) \times 11+1 \times 1}{1 \times 1} = \frac{(22+22+22+2) \times 22+2 \times 2}{2 \times 2} = \frac{(33+33+33+3) \times 33+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 44+4 \times 4}{4 \times 4} = \frac{(55+55+55+5) \times 55+5 \times 5}{5 \times 5} = \frac{(66+66+66+6) \times 66+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 77+7 \times 7}{7 \times 7} = \frac{(88+88+88+8) \times 88+8 \times 8}{8 \times 8} = \frac{(99+99+99+9) \times 99+9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3775} &:= \frac{(11+11+11+1) \times 111+1 \times 1}{1 \times 1} = \frac{(22+22+22+2) \times 222+2 \times 2}{2 \times 2} = \frac{(33+33+33+3) \times 333+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 444+4 \times 4}{4 \times 4} = \frac{(55+55+55+5) \times 555+5 \times 5}{5 \times 5} = \frac{(66+66+66+6) \times 666+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 777+7 \times 7}{7 \times 7} = \frac{(88+88+88+8) \times 888+8 \times 8}{8 \times 8} = \frac{(99+99+99+9) \times 999+9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{37775} &:= \frac{(11+11+11+1) \times 1111+1 \times 1}{1 \times 1} = \frac{(22+22+22+2) \times 2222+2 \times 2}{2 \times 2} = \frac{(33+33+33+3) \times 3333+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 4444+4 \times 4}{4 \times 4} = \frac{(55+55+55+5) \times 5555+5 \times 5}{5 \times 5} = \frac{(66+66+66+6) \times 6666+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 7777+7 \times 7}{7 \times 7} = \frac{(88+88+88+8) \times 8888+8 \times 8}{8 \times 8} = \frac{(99+99+99+9) \times 9999+9 \times 9}{9 \times 9} \end{aligned}$$

377775

$$\begin{aligned} &:= \frac{(11+11+11+1) \times 11111 + 1 \times 1}{1 \times 1} = \frac{(22+22+22+2) \times 22222 + 2 \times 2}{2 \times 2} = \frac{(33+33+33+3) \times 33333 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 44444 + 4 \times 4}{4 \times 4} = \frac{(55+55+55+5) \times 55555 + 5 \times 5}{5 \times 5} = \frac{(66+66+66+6) \times 66666 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 77777 + 7 \times 7}{7 \times 7} = \frac{(88+88+88+8) \times 88888 + 8 \times 8}{8 \times 8} = \frac{(99+99+99+9) \times 99999 + 9 \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(11+11+11+1) \times 11 + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+22+2) \times 22 + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+33+3) \times 33 + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 44 + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+55+5) \times 55 + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+66+6) \times 66 + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 77 + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+88+8) \times 88 + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+99+9) \times 99 + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

3776

$$\begin{aligned} &:= \frac{(11+11+11+1) \times 111 + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+22+2) \times 222 + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+33+3) \times 333 + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 444 + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+55+5) \times 555 + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+66+6) \times 666 + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 777 + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+88+8) \times 888 + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+99+9) \times 999 + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

37776

$$\begin{aligned} &:= \frac{(11+11+11+1) \times 1111 + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+22+2) \times 2222 + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+33+3) \times 3333 + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 4444 + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+55+5) \times 5555 + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+66+6) \times 6666 + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 7777 + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+88+8) \times 8888 + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+99+9) \times 9999 + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

377776

$$\begin{aligned} &:= \frac{(11+11+11+1) \times 11111 + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+22+2) \times 22222 + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+33+3) \times 33333 + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 44444 + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+55+5) \times 55555 + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+66+6) \times 66666 + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 77777 + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+88+8) \times 88888 + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+99+9) \times 99999 + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(11+11+11+1) \times 11 + 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22+22+2) \times 22 + 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33+33+3) \times 33 + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 44 + 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55+55+5) \times 55 + 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66+66+6) \times 66 + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 77 + 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88+88+8) \times 88 + 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99+99+9) \times 99 + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

3777

$$\begin{aligned} &:= \frac{(11+11+11+1) \times 111 + 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22+22+2) \times 222 + 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33+33+3) \times 333 + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 444 + 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55+55+5) \times 555 + 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66+66+6) \times 666 + 6 \times (6+6+6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(77+77+77+7) \times 777+7 \times (7+7+7)}{7 \times 7} = \frac{(88+88+88+8) \times 888+8 \times (8+8+8)}{8 \times 8} = \frac{(99+99+99+9) \times 999+9 \times (9+9+9)}{9 \times 9}$$

$$\begin{aligned} 37777 &:= \frac{(11+11+11+1) \times 1111+1 \times (1+1+1)}{1 \times 1} = \frac{(22+22+22+2) \times 2222+2 \times (2+2+2)}{2 \times 2} = \frac{(33+33+33+3) \times 3333+3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 4444+4 \times (4+4+4)}{4 \times 4} = \frac{(55+55+55+5) \times 5555+5 \times (5+5+5)}{5 \times 5} = \frac{(66+66+66+6) \times 6666+6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 7777+7 \times (7+7+7)}{7 \times 7} = \frac{(88+88+88+8) \times 8888+8 \times (8+8+8)}{8 \times 8} = \frac{(99+99+99+9) \times 9999+9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 377777 &:= \frac{(11+11+11+1) \times 11111+1 \times (1+1+1)}{1 \times 1} = \frac{(22+22+22+2) \times 22222+2 \times (2+2+2)}{2 \times 2} = \frac{(33+33+33+3) \times 33333+3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+44+44+4) \times 44444+4 \times (4+4+4)}{4 \times 4} = \frac{(55+55+55+5) \times 55555+5 \times (5+5+5)}{5 \times 5} = \frac{(66+66+66+6) \times 66666+6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77+77+7) \times 77777+7 \times (7+7+7)}{7 \times 7} = \frac{(88+88+88+8) \times 88888+8 \times (8+8+8)}{8 \times 8} = \frac{(99+99+99+9) \times 99999+9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} 378 &:= \frac{1111+11+11+1}{1+1+1} = \frac{2222+22+22+2}{2+2+2} = \frac{3333+33+33+3}{3+3+3} \\ &:= \frac{4444+44+44+4}{4+4+4} = \frac{5555+55+55+5}{5+5+5} = \frac{6666+66+66+6}{6+6+6} \\ &:= \frac{7777+77+77+7}{7+7+7} = \frac{8888+88+88+8}{8+8+8} = \frac{9999+99+99+9}{9+9+9} \end{aligned}$$

$$\begin{aligned} 370378 &:= \frac{1111111+11+11+1}{1+1+1} = \frac{2222222+22+22+2}{2+2+2} = \frac{3333333+33+33+3}{3+3+3} \\ &:= \frac{4444444+44+44+4}{4+4+4} = \frac{5555555+55+55+5}{5+5+5} = \frac{6666666+66+66+6}{6+6+6} \\ &:= \frac{7777777+77+77+7}{7+7+7} = \frac{8888888+88+88+8}{8+8+8} = \frac{9999999+99+99+9}{9+9+9} \end{aligned}$$

$$\begin{aligned} 370370378 &:= \frac{111111111+11+11+1}{1+1+1} = \frac{222222222+22+22+2}{2+2+2} = \frac{333333333+33+33+3}{3+3+3} \\ &:= \frac{444444444+44+44+4}{4+4+4} = \frac{555555555+55+55+5}{5+5+5} = \frac{666666666+66+66+6}{6+6+6} \\ &:= \frac{777777777+77+77+7}{7+7+7} = \frac{888888888+88+88+8}{8+8+8} = \frac{999999999+99+99+9}{9+9+9} \end{aligned}$$

$$\begin{aligned} 370370370378 &:= \frac{11111111111+11+11+1}{1+1+1} = \frac{22222222222+22+22+2}{2+2+2} = \frac{33333333333+33+33+3}{3+3+3} \\ &:= \frac{44444444444+44+44+4}{4+4+4} = \frac{55555555555+55+55+5}{5+5+5} = \frac{66666666666+66+66+6}{6+6+6} \\ &:= \frac{77777777777+77+77+7}{7+7+7} = \frac{88888888888+88+88+8}{8+8+8} = \frac{99999999999+99+99+9}{9+9+9} \end{aligned}$$

►

$$379 := \frac{1111+1}{1+1+1+1)+1111}11 = \frac{2222+2}{2+2+2+2)+2222}22 = \frac{3333+3}{3+3+3+3)+3333}33$$

$$\begin{aligned} &:= \frac{4444+4}{4+4+4+4)+4444} 44 = \frac{5555+5}{5+5+5+5)+5555} 55 = \frac{6666+6}{6+6+6+6)+6666} 66 \\ &:= \frac{7777+7}{7+7+7+7)+7777} 77 = \frac{8888+8}{8+8+8+8)+8888} 88 = \frac{9999+9}{9+9+9+9)+9999} 99 \end{aligned}$$

$$\begin{aligned} \mathbf{10379} &:= \frac{1111+1}{1+1+1+1)+111111} 11 = \frac{2222+2}{2+2+2+2)+222222} 22 = \frac{3333+3}{3+3+3+3)+333333} 33 \\ &:= \frac{4444+4}{4+4+4+4)+444444} 44 = \frac{5555+5}{5+5+5+5)+555555} 55 = \frac{6666+6}{6+6+6+6)+666666} 66 \\ &:= \frac{7777+7}{7+7+7+7)+777777} 77 = \frac{8888+8}{8+8+8+8)+888888} 88 = \frac{9999+9}{9+9+9+9)+999999} 99 \end{aligned}$$

$$\begin{aligned} \mathbf{1010379} &:= \frac{1111+1}{1+1+1+1)+11111111} 11 = \frac{2222+2}{2+2+2+2)+22222222} 22 = \frac{3333+3}{3+3+3+3)+33333333} 33 \\ &:= \frac{4444+4}{4+4+4+4)+44444444} 44 = \frac{5555+5}{5+5+5+5)+55555555} 55 = \frac{6666+6}{6+6+6+6)+66666666} 66 \\ &:= \frac{7777+7}{7+7+7+7)+77777777} 77 = \frac{8888+8}{8+8+8+8)+88888888} 88 = \frac{9999+9}{9+9+9+9)+99999999} 99 \end{aligned}$$

$$\begin{aligned} \mathbf{101010379} &:= \frac{1111+1}{1+1+1+1)+1111111111} 11 = \frac{2222+2}{2+2+2+2)+2222222222} 22 = \frac{3333+3}{3+3+3+3)+3333333333} 33 \\ &:= \frac{4444+4}{4+4+4+4)+4444444444} 44 = \frac{5555+5}{5+5+5+5)+5555555555} 55 = \frac{6666+6}{6+6+6+6)+6666666666} 66 \\ &:= \frac{7777+7}{7+7+7+7)+7777777777} 77 = \frac{8888+8}{8+8+8+8)+8888888888} 88 = \frac{9999+9}{9+9+9+9)+9999999999} 99 \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{380} &:= \frac{1111-1}{1+1+1} + \frac{11-1}{1} = \frac{2222-2}{2+2+2} + \frac{22-2}{2} = \frac{3333-3}{3+3+3} + \frac{33-3}{3} \\ &:= \frac{4444-4}{4+4+4} + \frac{44-4}{4} = \frac{5555-5}{5+5+5} + \frac{55-5}{5} = \frac{6666-6}{6+6+6} + \frac{66-6}{6} \\ &:= \frac{7777-7}{7+7+7} + \frac{77-7}{7} = \frac{8888-8}{8+8+8} + \frac{88-8}{8} = \frac{9999-9}{9+9+9} + \frac{99-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{3810} &:= \frac{11111-11}{1+1+1} + \frac{111-1}{1} = \frac{22222-22}{2+2+2} + \frac{222-2}{2} = \frac{33333-33}{3+3+3} + \frac{333-3}{3} \\ &:= \frac{44444-44}{4+4+4} + \frac{444-4}{4} = \frac{55555-55}{5+5+5} + \frac{555-5}{5} = \frac{66666-66}{6+6+6} + \frac{666-6}{6} \\ &:= \frac{77777-77}{7+7+7} + \frac{777-7}{7} = \frac{88888-88}{8+8+8} + \frac{888-8}{8} = \frac{99999-99}{9+9+9} + \frac{999-9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{38110} &:= \frac{111111-111}{1+1+1} + \frac{1111-1}{1} = \frac{222222-222}{2+2+2} + \frac{2222-2}{2} = \frac{333333-333}{3+3+3} + \frac{3333-3}{3} \\ &:= \frac{444444-444}{4+4+4} + \frac{4444-4}{4} = \frac{555555-555}{5+5+5} + \frac{5555-5}{5} = \frac{666666-666}{6+6+6} + \frac{6666-6}{6} \\ &:= \frac{777777-777}{7+7+7} + \frac{7777-7}{7} = \frac{888888-888}{8+8+8} + \frac{8888-8}{8} = \frac{999999-999}{9+9+9} + \frac{9999-9}{9} \end{aligned}$$

381110 := $\frac{1111111-1111}{1+1+1} + \frac{1111-1}{1} = \frac{2222222-2222}{2+2+2} + \frac{2222-2}{2} = \frac{3333333-3333}{3+3+3} + \frac{3333-3}{3}$
:= $\frac{4444444-4444}{4+4+4} + \frac{4444-4}{4} = \frac{5555555-5555}{5+5+5} + \frac{5555-5}{5} = \frac{6666666-6666}{6+6+6} + \frac{6666-6}{6}$
:= $\frac{7777777-7777}{7+7+7} + \frac{7777-7}{7} = \frac{8888888-8888}{8+8+8} + \frac{8888-8}{8} = \frac{9999999-9999}{9+9+9} + \frac{9999-9}{9}$

► **381** := $\frac{1111-1}{1+1+1} + \frac{11}{1} = \frac{2222-2}{2+2+2} + \frac{22}{2} = \frac{3333-3}{3+3+3} + \frac{33}{3}$
:= $\frac{4444-4}{4+4+4} + \frac{44}{4} = \frac{5555-5}{5+5+5} + \frac{55}{5} = \frac{6666-6}{6+6+6} + \frac{66}{6}$
:= $\frac{7777-7}{7+7+7} + \frac{77}{7} = \frac{8888-8}{8+8+8} + \frac{88}{8} = \frac{9999-9}{9+9+9} + \frac{99}{9}$

3811 := $\frac{11111-11}{1+1+1} + \frac{111}{1} = \frac{22222-22}{2+2+2} + \frac{222}{2} = \frac{33333-33}{3+3+3} + \frac{333}{3}$
:= $\frac{44444-44}{4+4+4} + \frac{444}{4} = \frac{55555-55}{5+5+5} + \frac{555}{5} = \frac{66666-66}{6+6+6} + \frac{666}{6}$
:= $\frac{77777-77}{7+7+7} + \frac{777}{7} = \frac{88888-88}{8+8+8} + \frac{888}{8} = \frac{99999-99}{9+9+9} + \frac{999}{9}$

38111 := $\frac{111111-111}{1+1+1} + \frac{1111}{1} = \frac{222222-222}{2+2+2} + \frac{2222}{2} = \frac{333333-333}{3+3+3} + \frac{3333}{3}$
:= $\frac{444444-444}{4+4+4} + \frac{4444}{4} = \frac{555555-555}{5+5+5} + \frac{5555}{5} = \frac{666666-666}{6+6+6} + \frac{6666}{6}$
:= $\frac{777777-777}{7+7+7} + \frac{7777}{7} = \frac{888888-888}{8+8+8} + \frac{8888}{8} = \frac{999999-999}{9+9+9} + \frac{9999}{9}$

381111 := $\frac{1111111-1111}{1+1+1} + \frac{11111}{1} = \frac{2222222-2222}{2+2+2} + \frac{22222}{2} = \frac{3333333-3333}{3+3+3} + \frac{33333}{3}$
:= $\frac{4444444-4444}{4+4+4} + \frac{44444}{4} = \frac{5555555-5555}{5+5+5} + \frac{55555}{5} = \frac{6666666-6666}{6+6+6} + \frac{66666}{6}$
:= $\frac{7777777-7777}{7+7+7} + \frac{77777}{7} = \frac{8888888-8888}{8+8+8} + \frac{88888}{8} = \frac{9999999-9999}{9+9+9} + \frac{99999}{9}$

► **382** := $\frac{1111-1}{1+1+1} + \frac{11+1}{1} = \frac{2222-2}{2+2+2} + \frac{22+2}{2} = \frac{3333-3}{3+3+3} + \frac{33+3}{3}$
:= $\frac{4444-4}{4+4+4} + \frac{44+4}{4} = \frac{5555-5}{5+5+5} + \frac{55+5}{5} = \frac{6666-6}{6+6+6} + \frac{66+6}{6}$
:= $\frac{7777-7}{7+7+7} + \frac{77+7}{7} = \frac{8888-8}{8+8+8} + \frac{88+8}{8} = \frac{9999-9}{9+9+9} + \frac{99+9}{9}$

3812 := $\frac{11111-11}{1+1+1} + \frac{111+1}{1} = \frac{22222-22}{2+2+2} + \frac{222+2}{2} = \frac{33333-33}{3+3+3} + \frac{333+3}{3}$
:= $\frac{44444-44}{4+4+4} + \frac{444+4}{4} = \frac{55555-55}{5+5+5} + \frac{555+5}{5} = \frac{66666-66}{6+6+6} + \frac{666+6}{6}$

$$:= \frac{77777-77}{7+7+7} + \frac{777+7}{7} = \frac{88888-88}{8+8+8} + \frac{888+8}{8} = \frac{99999-99}{9+9+9} + \frac{999+9}{9}$$

$$\begin{aligned} \textcolor{red}{38112} &:= \frac{111111-111}{1+1+1} + \frac{1111+1}{1} = \frac{222222-222}{2+2+2} + \frac{2222+2}{2} = \frac{333333-333}{3+3+3} + \frac{3333+3}{3} \\ &:= \frac{444444-444}{4+4+4} + \frac{4444+4}{4} = \frac{555555-555}{5+5+5} + \frac{5555+5}{5} = \frac{666666-666}{6+6+6} + \frac{6666+6}{6} \\ &:= \frac{777777-777}{7+7+7} + \frac{7777+7}{7} = \frac{888888-888}{8+8+8} + \frac{8888+8}{8} = \frac{999999-999}{9+9+9} + \frac{9999+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{381112} &:= \frac{1111111-1111}{1+1+1} + \frac{11111+1}{1} = \frac{2222222-2222}{2+2+2} + \frac{22222+2}{2} = \frac{3333333-3333}{3+3+3} + \frac{33333+3}{3} \\ &:= \frac{4444444-4444}{4+4+4} + \frac{44444+4}{4} = \frac{5555555-5555}{5+5+5} + \frac{55555+5}{5} = \frac{6666666-6666}{6+6+6} + \frac{66666+6}{6} \\ &:= \frac{7777777-7777}{7+7+7} + \frac{77777+7}{7} = \frac{8888888-8888}{8+8+8} + \frac{88888+8}{8} = \frac{9999999-9999}{9+9+9} + \frac{99999+9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{383} &:= \frac{1111-111-111-111-11-1}{1+1} = \frac{2222-222-222-222-22-2}{2+2} = \frac{3333-333-333-333-33-3}{3+3} \\ &:= \frac{4444-444-444-444-44-4}{4+4} = \frac{5555-555-555-555-55-5}{5+5} = \frac{6666-666-666-666-66-6}{6+6} \\ &:= \frac{7777-777-777-777-77-7}{7+7} = \frac{8888-888-888-888-88-8}{8+8} = \frac{9999-999-999-999-99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5383} &:= \frac{11111-111-111-111-11-1}{1+1} = \frac{22222-222-222-222-22-2}{2+2} = \frac{33333-333-333-333-33-3}{3+3} \\ &:= \frac{44444-444-444-444-44-4}{4+4} = \frac{55555-555-555-555-55-5}{5+5} = \frac{66666-666-666-666-66-6}{6+6} \\ &:= \frac{77777-777-777-777-77-7}{7+7} = \frac{88888-888-888-888-88-8}{8+8} = \frac{99999-999-999-999-99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55383} &:= \frac{111111-111-111-111-11-1}{1+1} = \frac{222222-222-222-222-22-2}{2+2} = \frac{333333-333-333-333-33-3}{3+3} \\ &:= \frac{444444-444-444-444-44-4}{4+4} = \frac{555555-555-555-555-55-5}{5+5} = \frac{666666-666-666-666-66-6}{6+6} \\ &:= \frac{777777-777-777-777-77-7}{7+7} = \frac{888888-888-888-888-88-8}{8+8} = \frac{999999-999-999-999-99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555383} &:= \frac{1111111-111-111-111-11-1}{1+1} = \frac{2222222-222-222-222-22-2}{2+2} = \frac{3333333-333-333-333-33-3}{3+3} \\ &:= \frac{4444444-444-444-444-44-4}{4+4} = \frac{5555555-555-555-555-55-5}{5+5} = \frac{6666666-666-666-666-66-6}{6+6} \\ &:= \frac{7777777-777-777-777-77-7}{7+7} = \frac{8888888-888-888-888-88-8}{8+8} = \frac{9999999-999-999-999-99-9}{9+9} \end{aligned}$$

►

$$\textcolor{red}{384} := \frac{(11+11+11-1) \times (11+1)}{1 \times 1} = \frac{(22+22+22-2) \times (22+2)}{2 \times 2} = \frac{(33+33+33-3) \times (33+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44 + 44 + 44 - 4) \times (44 + 4)}{4 \times 4} = \frac{(55 + 55 + 55 - 5) \times (55 + 5)}{5 \times 5} = \frac{(66 + 66 + 66 - 6) \times (66 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77 + 77 - 7) \times (77 + 7)}{7 \times 7} = \frac{(88 + 88 + 88 - 8) \times (88 + 8)}{8 \times 8} = \frac{(99 + 99 + 99 - 9) \times (99 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3984} &:= \frac{(111 + 111 + 111 - 1) \times (11 + 1)}{1 \times 1} = \frac{(222 + 222 + 222 - 2) \times (22 + 2)}{2 \times 2} = \frac{(333 + 333 + 333 - 3) \times (33 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 444 - 4) \times (44 + 4)}{4 \times 4} = \frac{(555 + 555 + 555 - 5) \times (55 + 5)}{5 \times 5} = \frac{(666 + 666 + 666 - 6) \times (66 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 777 - 7) \times (77 + 7)}{7 \times 7} = \frac{(888 + 888 + 888 - 8) \times (88 + 8)}{8 \times 8} = \frac{(999 + 999 + 999 - 9) \times (99 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{39984} &:= \frac{(1111 + 1111 + 1111 - 1) \times (11 + 1)}{1 \times 1} = \frac{(2222 + 2222 + 2222 - 2) \times (22 + 2)}{2 \times 2} = \frac{(3333 + 3333 + 3333 - 3) \times (33 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 4444 + 4444 - 4) \times (44 + 4)}{4 \times 4} = \frac{(5555 + 5555 + 5555 - 5) \times (55 + 5)}{5 \times 5} = \frac{(6666 + 6666 + 6666 - 6) \times (66 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 7777 + 7777 - 7) \times (77 + 7)}{7 \times 7} = \frac{(8888 + 8888 + 8888 - 8) \times (88 + 8)}{8 \times 8} = \frac{(9999 + 9999 + 9999 - 9) \times (99 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{399984} &:= \frac{(11111 + 11111 + 11111 - 1) \times (11 + 1)}{1 \times 1} = \frac{(22222 + 22222 + 22222 - 2) \times (22 + 2)}{2 \times 2} = \frac{(33333 + 33333 + 33333 - 3) \times (33 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44444 + 44444 - 4) \times (44 + 4)}{4 \times 4} = \frac{(55555 + 55555 + 55555 - 5) \times (55 + 5)}{5 \times 5} = \frac{(66666 + 66666 + 66666 - 6) \times (66 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77777 + 77777 - 7) \times (77 + 7)}{7 \times 7} = \frac{(88888 + 88888 + 88888 - 8) \times (88 + 8)}{8 \times 8} = \frac{(99999 + 99999 + 99999 - 9) \times (99 + 9)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{385} &:= \frac{(11 + 11 + 11 + 1 + 1) \times 11}{1 \times 1} = \frac{(22 + 22 + 22 + 2 + 2) \times 22}{2 \times 2} = \frac{(33 + 33 + 33 + 3 + 3) \times 33}{3 \times 3} \\ &:= \frac{(44 + 44 + 44 + 4 + 4) \times 44}{4 \times 4} = \frac{(55 + 55 + 55 + 5 + 5) \times 55}{5 \times 5} = \frac{(66 + 66 + 66 + 6 + 6) \times 66}{6 \times 6} \\ &:= \frac{(77 + 77 + 77 + 7 + 7) \times 77}{7 \times 7} = \frac{(88 + 88 + 88 + 8 + 8) \times 88}{8 \times 8} = \frac{(99 + 99 + 99 + 9 + 9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3885} &:= \frac{(11 + 11 + 11 + 1 + 1) \times 111}{1 \times 1} = \frac{(22 + 22 + 22 + 2 + 2) \times 222}{2 \times 2} = \frac{(33 + 33 + 33 + 3 + 3) \times 333}{3 \times 3} \\ &:= \frac{(44 + 44 + 44 + 4 + 4) \times 444}{4 \times 4} = \frac{(55 + 55 + 55 + 5 + 5) \times 555}{5 \times 5} = \frac{(66 + 66 + 66 + 6 + 6) \times 666}{6 \times 6} \\ &:= \frac{(77 + 77 + 77 + 7 + 7) \times 777}{7 \times 7} = \frac{(88 + 88 + 88 + 8 + 8) \times 888}{8 \times 8} = \frac{(99 + 99 + 99 + 9 + 9) \times 999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{38885} &:= \frac{(11 + 11 + 11 + 1 + 1) \times 1111}{1 \times 1} = \frac{(22 + 22 + 22 + 2 + 2) \times 2222}{2 \times 2} = \frac{(33 + 33 + 33 + 3 + 3) \times 3333}{3 \times 3} \\ &:= \frac{(44 + 44 + 44 + 4 + 4) \times 4444}{4 \times 4} = \frac{(55 + 55 + 55 + 5 + 5) \times 5555}{5 \times 5} = \frac{(66 + 66 + 66 + 6 + 6) \times 6666}{6 \times 6} \\ &:= \frac{(77 + 77 + 77 + 7 + 7) \times 7777}{7 \times 7} = \frac{(88 + 88 + 88 + 8 + 8) \times 8888}{8 \times 8} = \frac{(99 + 99 + 99 + 9 + 9) \times 9999}{9 \times 9} \end{aligned}$$

388885

$$\begin{aligned} &:= \frac{(11+11+11+1+1) \times 11111}{1 \times 1} = \frac{(22+22+22+2+2) \times 22222}{2 \times 2} = \frac{(33+33+33+3+3) \times 33333}{3 \times 3} \\ &:= \frac{(44+44+44+4+4) \times 44444}{4 \times 4} = \frac{(55+55+55+5+5) \times 55555}{5 \times 5} = \frac{(66+66+66+6+6) \times 66666}{6 \times 6} \\ &:= \frac{(77+77+77+7+7) \times 77777}{7 \times 7} = \frac{(88+88+88+8+8) \times 88888}{8 \times 8} = \frac{(99+99+99+9+9) \times 99999}{9 \times 9} \end{aligned}$$

► 386

$$\begin{aligned} &:= \frac{(11+11+11+1+1) \times 11+1 \times 1}{1 \times 1} = \frac{(22+22+22+2+2) \times 22+2 \times 2}{2 \times 2} = \frac{(33+33+33+3+3) \times 33+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+4+4) \times 44+4 \times 4}{4 \times 4} = \frac{(55+55+55+5+5) \times 55+5 \times 5}{5 \times 5} = \frac{(66+66+66+6+6) \times 66+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+7+7) \times 77+7 \times 7}{7 \times 7} = \frac{(88+88+88+8+8) \times 88+8 \times 8}{8 \times 8} = \frac{(99+99+99+9+9) \times 99+9 \times 9}{9 \times 9} \end{aligned}$$

3886

$$\begin{aligned} &:= \frac{(11+11+11+1+1) \times 111+1 \times 1}{1 \times 1} = \frac{(22+22+22+2+2) \times 222+2 \times 2}{2 \times 2} = \frac{(33+33+33+3+3) \times 333+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+4+4) \times 444+4 \times 4}{4 \times 4} = \frac{(55+55+55+5+5) \times 555+5 \times 5}{5 \times 5} = \frac{(66+66+66+6+6) \times 666+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+7+7) \times 777+7 \times 7}{7 \times 7} = \frac{(88+88+88+8+8) \times 888+8 \times 8}{8 \times 8} = \frac{(99+99+99+9+9) \times 999+9 \times 9}{9 \times 9} \end{aligned}$$

38886

$$\begin{aligned} &:= \frac{(11+11+11+1+1) \times 1111+1 \times 1}{1 \times 1} = \frac{(22+22+22+2+2) \times 2222+2 \times 2}{2 \times 2} = \frac{(33+33+33+3+3) \times 3333+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+4+4) \times 4444+4 \times 4}{4 \times 4} = \frac{(55+55+55+5+5) \times 5555+5 \times 5}{5 \times 5} = \frac{(66+66+66+6+6) \times 6666+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+7+7) \times 7777+7 \times 7}{7 \times 7} = \frac{(88+88+88+8+8) \times 8888+8 \times 8}{8 \times 8} = \frac{(99+99+99+9+9) \times 9999+9 \times 9}{9 \times 9} \end{aligned}$$

388886

$$\begin{aligned} &:= \frac{(11+11+11+1+1) \times 11111+1 \times 1}{1 \times 1} = \frac{(22+22+22+2+2) \times 22222+2 \times 2}{2 \times 2} = \frac{(33+33+33+3+3) \times 33333+3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+4+4) \times 44444+4 \times 4}{4 \times 4} = \frac{(55+55+55+5+5) \times 55555+5 \times 5}{5 \times 5} = \frac{(66+66+66+6+6) \times 66666+6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+7+7) \times 77777+7 \times 7}{7 \times 7} = \frac{(88+88+88+8+8) \times 88888+8 \times 8}{8 \times 8} = \frac{(99+99+99+9+9) \times 99999+9 \times 9}{9 \times 9} \end{aligned}$$

► 387

$$\begin{aligned} &:= \frac{1111-111-111-111-1-1-1-1}{1+1} = \frac{2222-222-222-222-2-2-2-2}{2+2} = \frac{3333-333-333-333-3-3-3-3}{3+3} \\ &:= \frac{4444-444-444-444-4-4-4-4}{4+4} = \frac{5555-555-555-555-5-5-5-5}{5+5} = \frac{6666-666-666-666-6-6-6-6}{6+6} \\ &:= \frac{7777-777-777-777-7-7-7-7}{7+7} = \frac{8888-888-888-888-8-8-8-8}{8+8} = \frac{9999-999-999-999-9-9-9-9}{9+9} \end{aligned}$$

5387

$$\begin{aligned} &:= \frac{11111-111-111-111-1-1-1-1}{1+1} = \frac{22222-222-222-222-2-2-2-2}{2+2} = \frac{33333-333-333-333-3-3-3-3}{3+3} \\ &:= \frac{44444-444-444-444-4-4-4-4}{4+4} = \frac{55555-555-555-555-5-5-5-5}{5+5} = \frac{66666-666-666-666-6-6-6-6}{6+6} \end{aligned}$$

$$:= \frac{77777-777-777-777-7-7-7-7}{7+7} = \frac{88888-888-888-888-8-8-8-8}{8+8} = \frac{99999-999-999-999-9-9-9-9}{9+9}$$

55387

$$:= \frac{111111-111-111-111-1-1-1-1}{1+1} = \frac{222222-222-222-222-2-2-2-2}{2+2} = \frac{333333-333-333-333-3-3-3-3}{3+3}$$
$$:= \frac{444444-444-444-444-4-4-4-4}{4+4} = \frac{555555-555-555-555-5-5-5-5}{5+5} = \frac{666666-666-666-666-6-6-6-6}{6+6}$$
$$:= \frac{777777-777-777-777-7-7-7-7}{7+7} = \frac{888888-888-888-888-8-8-8-8}{8+8} = \frac{999999-999-999-999-9-9-9-9}{9+9}$$

555387

$$:= \frac{1111111-111-111-111-1-1-1-1}{1+1} = \frac{2222222-222-222-222-2-2-2-2}{2+2} = \frac{3333333-333-333-333-3-3-3-3}{3+3}$$
$$:= \frac{4444444-444-444-444-4-4-4-4}{4+4} = \frac{5555555-555-555-555-5-5-5-5}{5+5} = \frac{6666666-666-666-666-6-6-6-6}{6+6}$$
$$:= \frac{7777777-777-777-777-7-7-7-7}{7+7} = \frac{8888888-888-888-888-8-8-8-8}{8+8} = \frac{9999999-999-999-999-9-9-9-9}{9+9}$$

► 388

$$:= \frac{1111-111-111-111-1-1}{1+1} = \frac{2222-222-222-222-2-2}{2+2} = \frac{3333-333-333-333-3-3}{3+3}$$
$$:= \frac{4444-444-444-444-4-4}{4+4} = \frac{5555-555-555-555-5-5}{5+5} = \frac{6666-666-666-666-6-6}{6+6}$$
$$:= \frac{7777-777-777-777-7-7}{7+7} = \frac{8888-888-888-888-8-8}{8+8} = \frac{9999-999-999-999-9-9}{9+9}$$

5388

$$:= \frac{11111-111-111-111-1-1}{1+1} = \frac{22222-222-222-222-2-2}{2+2} = \frac{33333-333-333-333-3-3}{3+3}$$
$$:= \frac{44444-444-444-444-4-4}{4+4} = \frac{55555-555-555-555-5-5}{5+5} = \frac{66666-666-666-666-6-6}{6+6}$$
$$:= \frac{77777-777-777-777-7-7}{7+7} = \frac{88888-888-888-888-8-8}{8+8} = \frac{99999-999-999-999-9-9}{9+9}$$

55388

$$:= \frac{111111-111-111-111-1-1}{1+1} = \frac{222222-222-222-222-2-2}{2+2} = \frac{333333-333-333-333-3-3}{3+3}$$
$$:= \frac{444444-444-444-444-4-4}{4+4} = \frac{555555-555-555-555-5-5}{5+5} = \frac{666666-666-666-666-6-6}{6+6}$$
$$:= \frac{777777-777-777-777-7-7}{7+7} = \frac{888888-888-888-888-8-8}{8+8} = \frac{999999-999-999-999-9-9}{9+9}$$

555388

$$:= \frac{1111111-111-111-111-1-1}{1+1} = \frac{2222222-222-222-222-2-2}{2+2} = \frac{3333333-333-333-333-3-3}{3+3}$$
$$:= \frac{4444444-444-444-444-4-4}{4+4} = \frac{5555555-555-555-555-5-5}{5+5} = \frac{6666666-666-666-666-6-6}{6+6}$$
$$:= \frac{7777777-777-777-777-7-7}{7+7} = \frac{8888888-888-888-888-8-8}{8+8} = \frac{9999999-999-999-999-9-9}{9+9}$$

► 389

$$:= \frac{1111-111-111-111}{1+1} = \frac{2222-222-222-222}{2+2} = \frac{3333-333-333-333}{3+3}$$

$$\begin{aligned} &:= \frac{4444 - 444 - 444 - 444}{4 + 4} = \frac{5555 - 555 - 555 - 555}{5 + 5} = \frac{6666 - 666 - 666 - 666}{6 + 6} \\ &:= \frac{7777 - 777 - 777 - 777}{7 + 7} = \frac{8888 - 888 - 888 - 888}{8 + 8} = \frac{9999 - 999 - 999 - 999}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5389} &:= \frac{11111 - 111 - 111 - 111}{1 + 1} = \frac{22222 - 222 - 222 - 222}{2 + 2} = \frac{33333 - 333 - 333 - 333}{3 + 3} \\ &:= \frac{44444 - 444 - 444 - 444}{4 + 4} = \frac{55555 - 555 - 555 - 555}{5 + 5} = \frac{66666 - 666 - 666 - 666}{6 + 6} \\ &:= \frac{77777 - 777 - 777 - 777}{7 + 7} = \frac{88888 - 888 - 888 - 888}{8 + 8} = \frac{99999 - 999 - 999 - 999}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55389} &:= \frac{111111 - 111 - 111 - 111}{1 + 1} = \frac{222222 - 222 - 222 - 222}{2 + 2} = \frac{333333 - 333 - 333 - 333}{3 + 3} \\ &:= \frac{444444 - 444 - 444 - 444}{4 + 4} = \frac{555555 - 555 - 555 - 555}{5 + 5} = \frac{666666 - 666 - 666 - 666}{6 + 6} \\ &:= \frac{777777 - 777 - 777 - 777}{7 + 7} = \frac{888888 - 888 - 888 - 888}{8 + 8} = \frac{999999 - 999 - 999 - 999}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555389} &:= \frac{1111111 - 111 - 111 - 111}{1 + 1} = \frac{2222222 - 222 - 222 - 222}{2 + 2} = \frac{3333333 - 333 - 333 - 333}{3 + 3} \\ &:= \frac{4444444 - 444 - 444 - 444}{4 + 4} = \frac{5555555 - 555 - 555 - 555}{5 + 5} = \frac{6666666 - 666 - 666 - 666}{6 + 6} \\ &:= \frac{7777777 - 777 - 777 - 777}{7 + 7} = \frac{8888888 - 888 - 888 - 888}{8 + 8} = \frac{9999999 - 999 - 999 - 999}{9 + 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{390} &:= \frac{1111 - 111 - 111 - 111 + 1 + 1}{1 + 1} = \frac{2222 - 222 - 222 - 222 + 2 + 2}{2 + 2} = \frac{3333 - 333 - 333 - 333 + 3 + 3}{3 + 3} \\ &:= \frac{4444 - 444 - 444 - 444 + 4 + 4}{4 + 4} = \frac{5555 - 555 - 555 - 555 + 5 + 5}{5 + 5} = \frac{6666 - 666 - 666 - 666 + 6 + 6}{6 + 6} \\ &:= \frac{7777 - 777 - 777 - 777 + 7 + 7}{7 + 7} = \frac{8888 - 888 - 888 - 888 + 8 + 8}{8 + 8} = \frac{9999 - 999 - 999 - 999 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5390} &:= \frac{11111 - 111 - 111 - 111 + 1 + 1}{1 + 1} = \frac{22222 - 222 - 222 - 222 + 2 + 2}{2 + 2} = \frac{33333 - 333 - 333 - 333 + 3 + 3}{3 + 3} \\ &:= \frac{44444 - 444 - 444 - 444 + 4 + 4}{4 + 4} = \frac{55555 - 555 - 555 - 555 + 5 + 5}{5 + 5} = \frac{66666 - 666 - 666 - 666 + 6 + 6}{6 + 6} \\ &:= \frac{77777 - 777 - 777 - 777 + 7 + 7}{7 + 7} = \frac{88888 - 888 - 888 - 888 + 8 + 8}{8 + 8} = \frac{99999 - 999 - 999 - 999 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55390} &:= \frac{111111 - 111 - 111 - 111 + 1 + 1}{1 + 1} = \frac{222222 - 222 - 222 - 222 + 2 + 2}{2 + 2} = \frac{333333 - 333 - 333 - 333 + 3 + 3}{3 + 3} \\ &:= \frac{444444 - 444 - 444 - 444 + 4 + 4}{4 + 4} = \frac{555555 - 555 - 555 - 555 + 5 + 5}{5 + 5} = \frac{666666 - 666 - 666 - 666 + 6 + 6}{6 + 6} \\ &:= \frac{777777 - 777 - 777 - 777 + 7 + 7}{7 + 7} = \frac{888888 - 888 - 888 - 888 + 8 + 8}{8 + 8} = \frac{999999 - 999 - 999 - 999 + 9 + 9}{9 + 9} \end{aligned}$$

555390

$$\begin{aligned}
&:= \frac{1111111 - 111 - 111 - 111 + 1 + 1}{1 + 1} = \frac{2222222 - 222 - 222 - 222 + 2 + 2}{2 + 2} = \frac{3333333 - 333 - 333 - 333 + 3 + 3}{3 + 3} \\
&:= \frac{4444444 - 444 - 444 - 444 + 4 + 4}{4 + 4} = \frac{5555555 - 555 - 555 - 555 + 5 + 5}{5 + 5} = \frac{6666666 - 666 - 666 - 666 + 6 + 6}{6 + 6} \\
&:= \frac{7777777 - 777 - 777 - 777 + 7 + 7}{7 + 7} = \frac{8888888 - 888 - 888 - 888 + 8 + 8}{8 + 8} = \frac{9999999 - 999 - 999 - 999 + 9 + 9}{9 + 9}
\end{aligned}$$

► 391

$$\begin{aligned}
&:= \frac{1111 - 111 - 111 - 111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222 - 222 - 222 - 222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333 - 333 - 333 - 333 + 3 + 3 + 3 + 3}{3 + 3} \\
&:= \frac{4444 - 444 - 444 - 444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555 - 555 - 555 - 555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666 - 666 - 666 - 666 + 6 + 6 + 6 + 6}{6 + 6} \\
&:= \frac{7777 - 777 - 777 - 777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888 - 888 - 888 - 888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999 - 999 - 999 - 999 + 9 + 9 + 9 + 9}{9 + 9}
\end{aligned}$$

5391

$$\begin{aligned}
&:= \frac{11111 - 111 - 111 - 111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{22222 - 222 - 222 - 222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{33333 - 333 - 333 - 333 + 3 + 3 + 3 + 3}{3 + 3} \\
&:= \frac{44444 - 444 - 444 - 444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{55555 - 555 - 555 - 555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{66666 - 666 - 666 - 666 + 6 + 6 + 6 + 6}{6 + 6} \\
&:= \frac{77777 - 777 - 777 - 777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{88888 - 888 - 888 - 888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{99999 - 999 - 999 - 999 + 9 + 9 + 9 + 9}{9 + 9}
\end{aligned}$$

55391

$$\begin{aligned}
&:= \frac{111111 - 111 - 111 - 111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{222222 - 222 - 222 - 222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{333333 - 333 - 333 - 333 + 3 + 3 + 3 + 3}{3 + 3} \\
&:= \frac{444444 - 444 - 444 - 444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{555555 - 555 - 555 - 555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{666666 - 666 - 666 - 666 + 6 + 6 + 6 + 6}{6 + 6} \\
&:= \frac{777777 - 777 - 777 - 777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{888888 - 888 - 888 - 888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{999999 - 999 - 999 - 999 + 9 + 9 + 9 + 9}{9 + 9}
\end{aligned}$$

555391

$$\begin{aligned}
&:= \frac{1111111 - 111 - 111 - 111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222222 - 222 - 222 - 222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333333 - 333 - 333 - 333 + 3 + 3 + 3 + 3}{3 + 3} \\
&:= \frac{4444444 - 444 - 444 - 444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555555 - 555 - 555 - 555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666666 - 666 - 666 - 666 + 6 + 6 + 6 + 6}{6 + 6} \\
&:= \frac{7777777 - 777 - 777 - 777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888888 - 888 - 888 - 888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999999 - 999 - 999 - 999 + 9 + 9 + 9 + 9}{9 + 9}
\end{aligned}$$

► 392

$$\begin{aligned}
&:= \frac{(111 - 11 - 1 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 - 22 - 2 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 - 33 - 3 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\
&:= \frac{(444 - 44 - 4 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 - 55 - 5 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 - 66 - 6 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\
&:= \frac{(777 - 77 - 7 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 - 88 - 8 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 - 99 - 9 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9}
\end{aligned}$$

4392

$$\begin{aligned}
&:= \frac{(1111 - 11 - 1 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 - 22 - 2 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 - 33 - 3 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\
&:= \frac{(4444 - 44 - 4 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 - 55 - 5 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 - 66 - 6 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6}
\end{aligned}$$

$$:= \frac{(7777 - 77 - 7 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 - 88 - 8 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 - 99 - 9 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9}$$

$$\begin{aligned} 44392 &:= \frac{(11111 - 11 - 1 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 - 22 - 2 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 - 33 - 3 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 - 44 - 4 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 - 55 - 5 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 - 66 - 6 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 - 77 - 7 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 - 88 - 8 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 - 99 - 9 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} 444392 &:= \frac{(111111 - 11 - 1 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 - 22 - 2 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 - 33 - 3 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 - 44 - 4 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 - 55 - 5 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 - 66 - 6 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 - 77 - 7 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 - 88 - 8 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 - 99 - 9 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

►

$$\begin{aligned} 393 &:= \frac{(11 + 11 + 11) \times (11 + 1) - (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (22 + 2) - (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (33 + 3) - (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44 + 44) \times (44 + 4) - (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (55 + 5) - (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (66 + 6) - (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (77 + 7) - (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (88 + 8) - (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (99 + 9) - (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 3693 &:= \frac{(11 + 11 + 11) \times (111 + 1) - (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (222 + 2) - (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (333 + 3) - (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44 + 44) \times (444 + 4) - (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (555 + 5) - (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (666 + 6) - (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (777 + 7) - (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (888 + 8) - (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (999 + 9) - (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 36693 &:= \frac{(11 + 11 + 11) \times (1111 + 1) - (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (2222 + 2) - (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (3333 + 3) - (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44 + 44) \times (4444 + 4) - (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (5555 + 5) - (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (6666 + 6) - (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (7777 + 7) - (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (8888 + 8) - (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (9999 + 9) - (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 366693 &:= \frac{(11 + 11 + 11) \times (11111 + 1) - (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (22222 + 2) - (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (33333 + 3) - (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 + 44 + 44) \times (44444 + 4) - (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (55555 + 5) - (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (66666 + 6) - (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (77777 + 7) - (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (88888 + 8) - (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (99999 + 9) - (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

► **394** :=
$$\frac{(11+11+11) \times (11+1) - (1+1) \times 1}{1 \times 1} = \frac{(22+22+22) \times (22+2) - (2+2) \times 2}{2 \times 2} = \frac{(33+33+33) \times (33+3) - (3+3) \times 3}{3 \times 3}$$
$$:= \frac{(44+44+44) \times (44+4) - (4+4) \times 4}{4 \times 4} = \frac{(55+55+55) \times (55+5) - (5+5) \times 5}{5 \times 5} = \frac{(66+66+66) \times (66+6) - (6+6) \times 6}{6 \times 6}$$
$$:= \frac{(77+77+77) \times (77+7) - (7+7) \times 7}{7 \times 7} = \frac{(88+88+88) \times (88+8) - (8+8) \times 8}{8 \times 8} = \frac{(99+99+99) \times (99+9) - (9+9) \times 9}{9 \times 9}$$

3694 :=
$$\frac{(11+11+11) \times (111+1) - (1+1) \times 1}{1 \times 1} = \frac{(22+22+22) \times (222+2) - (2+2) \times 2}{2 \times 2} = \frac{(33+33+33) \times (333+3) - (3+3) \times 3}{3 \times 3}$$
$$:= \frac{(44+44+44) \times (444+4) - (4+4) \times 4}{4 \times 4} = \frac{(55+55+55) \times (555+5) - (5+5) \times 5}{5 \times 5} = \frac{(66+66+66) \times (666+6) - (6+6) \times 6}{6 \times 6}$$
$$:= \frac{(77+77+77) \times (777+7) - (7+7) \times 7}{7 \times 7} = \frac{(88+88+88) \times (888+8) - (8+8) \times 8}{8 \times 8} = \frac{(99+99+99) \times (999+9) - (9+9) \times 9}{9 \times 9}$$

36694 :=
$$\frac{(11+11+11) \times (1111+1) - (1+1) \times 1}{1 \times 1} = \frac{(22+22+22) \times (2222+2) - (2+2) \times 2}{2 \times 2} = \frac{(33+33+33) \times (3333+3) - (3+3) \times 3}{3 \times 3}$$
$$:= \frac{(44+44+44) \times (4444+4) - (4+4) \times 4}{4 \times 4} = \frac{(55+55+55) \times (5555+5) - (5+5) \times 5}{5 \times 5} = \frac{(66+66+66) \times (6666+6) - (6+6) \times 6}{6 \times 6}$$
$$:= \frac{(77+77+77) \times (7777+7) - (7+7) \times 7}{7 \times 7} = \frac{(88+88+88) \times (8888+8) - (8+8) \times 8}{8 \times 8} = \frac{(99+99+99) \times (9999+9) - (9+9) \times 9}{9 \times 9}$$

366694 :=
$$\frac{(11+11+11) \times (11111+1) - (1+1) \times 1}{1 \times 1} = \frac{(22+22+22) \times (22222+2) - (2+2) \times 2}{2 \times 2} = \frac{(33+33+33) \times (33333+3) - (3+3) \times 3}{3 \times 3}$$
$$:= \frac{(44+44+44) \times (44444+4) - (4+4) \times 4}{4 \times 4} = \frac{(55+55+55) \times (55555+5) - (5+5) \times 5}{5 \times 5} = \frac{(66+66+66) \times (66666+6) - (6+6) \times 6}{6 \times 6}$$
$$:= \frac{(77+77+77) \times (77777+7) - (7+7) \times 7}{7 \times 7} = \frac{(88+88+88) \times (88888+8) - (8+8) \times 8}{8 \times 8} = \frac{(99+99+99) \times (99999+9) - (9+9) \times 9}{9 \times 9}$$

► **395** :=
$$\frac{(11+11+11) \times (11+1) - 1 \times 1}{1 \times 1} = \frac{(22+22+22) \times (22+2) - 2 \times 2}{2 \times 2} = \frac{(33+33+33) \times (33+3) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44+44+44) \times (44+4) - 4 \times 4}{4 \times 4} = \frac{(55+55+55) \times (55+5) - 5 \times 5}{5 \times 5} = \frac{(66+66+66) \times (66+6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77+77+77) \times (77+7) - 7 \times 7}{7 \times 7} = \frac{(88+88+88) \times (88+8) - 8 \times 8}{8 \times 8} = \frac{(99+99+99) \times (99+9) - 9 \times 9}{9 \times 9}$$

3695 :=
$$\frac{(11+11+11) \times (111+1) - 1 \times 1}{1 \times 1} = \frac{(22+22+22) \times (222+2) - 2 \times 2}{2 \times 2} = \frac{(33+33+33) \times (333+3) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44+44+44) \times (444+4) - 4 \times 4}{4 \times 4} = \frac{(55+55+55) \times (555+5) - 5 \times 5}{5 \times 5} = \frac{(66+66+66) \times (666+6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77+77+77) \times (777+7) - 7 \times 7}{7 \times 7} = \frac{(88+88+88) \times (888+8) - 8 \times 8}{8 \times 8} = \frac{(99+99+99) \times (999+9) - 9 \times 9}{9 \times 9}$$

36695 :=
$$\frac{(11+11+11) \times (1111+1) - 1 \times 1}{1 \times 1} = \frac{(22+22+22) \times (2222+2) - 2 \times 2}{2 \times 2} = \frac{(33+33+33) \times (3333+3) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44+44+44) \times (4444+4) - 4 \times 4}{4 \times 4} = \frac{(55+55+55) \times (5555+5) - 5 \times 5}{5 \times 5} = \frac{(66+66+66) \times (6666+6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77+77+77) \times (7777+7) - 7 \times 7}{7 \times 7} = \frac{(88+88+88) \times (8888+8) - 8 \times 8}{8 \times 8} = \frac{(99+99+99) \times (9999+9) - 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \mathbf{366695} &:= \frac{(11+11+11) \times (11111+1) - 1 \times 1}{1 \times 1} = \frac{(22+22+22) \times (22222+2) - 2 \times 2}{2 \times 2} = \frac{(33+33+33) \times (33333+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44) \times (44444+4) - 4 \times 4}{4 \times 4} = \frac{(55+55+55) \times (55555+5) - 5 \times 5}{5 \times 5} = \frac{(66+66+66) \times (66666+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77) \times (77777+7) - 7 \times 7}{7 \times 7} = \frac{(88+88+88) \times (88888+8) - 8 \times 8}{8 \times 8} = \frac{(99+99+99) \times (99999+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{396} &:= \frac{(11+11+11) \times (11+1)}{1 \times 1} = \frac{(22+22+22) \times (22+2)}{2 \times 2} = \frac{(33+33+33) \times (33+3)}{3 \times 3} \\ &:= \frac{(44+44+44) \times (44+4)}{4 \times 4} = \frac{(55+55+55) \times (55+5)}{5 \times 5} = \frac{(66+66+66) \times (66+6)}{6 \times 6} \\ &:= \frac{(77+77+77) \times (77+7)}{7 \times 7} = \frac{(88+88+88) \times (88+8)}{8 \times 8} = \frac{(99+99+99) \times (99+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{3696} &:= \frac{(11+11+11) \times (111+1)}{1 \times 1} = \frac{(22+22+22) \times (222+2)}{2 \times 2} = \frac{(33+33+33) \times (333+3)}{3 \times 3} \\ &:= \frac{(44+44+44) \times (444+4)}{4 \times 4} = \frac{(55+55+55) \times (555+5)}{5 \times 5} = \frac{(66+66+66) \times (666+6)}{6 \times 6} \\ &:= \frac{(77+77+77) \times (777+7)}{7 \times 7} = \frac{(88+88+88) \times (888+8)}{8 \times 8} = \frac{(99+99+99) \times (999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{36696} &:= \frac{(11+11+11) \times (1111+1)}{1 \times 1} = \frac{(22+22+22) \times (2222+2)}{2 \times 2} = \frac{(33+33+33) \times (3333+3)}{3 \times 3} \\ &:= \frac{(44+44+44) \times (4444+4)}{4 \times 4} = \frac{(55+55+55) \times (5555+5)}{5 \times 5} = \frac{(66+66+66) \times (6666+6)}{6 \times 6} \\ &:= \frac{(77+77+77) \times (7777+7)}{7 \times 7} = \frac{(88+88+88) \times (8888+8)}{8 \times 8} = \frac{(99+99+99) \times (9999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{366696} &:= \frac{(11+11+11) \times (11111+1)}{1 \times 1} = \frac{(22+22+22) \times (22222+2)}{2 \times 2} = \frac{(33+33+33) \times (33333+3)}{3 \times 3} \\ &:= \frac{(44+44+44) \times (44444+4)}{4 \times 4} = \frac{(55+55+55) \times (55555+5)}{5 \times 5} = \frac{(66+66+66) \times (66666+6)}{6 \times 6} \\ &:= \frac{(77+77+77) \times (77777+7)}{7 \times 7} = \frac{(88+88+88) \times (88888+8)}{8 \times 8} = \frac{(99+99+99) \times (99999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{397} &:= \frac{(11+11+11) \times (11+1) + 1 \times 1}{1 \times 1} = \frac{(22+22+22) \times (22+2) + 2 \times 2}{2 \times 2} = \frac{(33+33+33) \times (33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44) \times (44+4) + 4 \times 4}{4 \times 4} = \frac{(55+55+55) \times (55+5) + 5 \times 5}{5 \times 5} = \frac{(66+66+66) \times (66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77) \times (77+7) + 7 \times 7}{7 \times 7} = \frac{(88+88+88) \times (88+8) + 8 \times 8}{8 \times 8} = \frac{(99+99+99) \times (99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\mathbf{3697} := \frac{(11+11+11) \times (111+1) + 1 \times 1}{1 \times 1} = \frac{(22+22+22) \times (222+2) + 2 \times 2}{2 \times 2} = \frac{(33+33+33) \times (333+3) + 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44 + 44 + 44) \times (444 + 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (555 + 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (666 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (777 + 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (888 + 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (999 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{36697} &:= \frac{(11 + 11 + 11) \times (1111 + 1) + 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (2222 + 2) + 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (3333 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44 + 44) \times (4444 + 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (5555 + 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (6666 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (7777 + 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (8888 + 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (9999 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{366697} &:= \frac{(11 + 11 + 11) \times (11111 + 1) + 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (22222 + 2) + 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (33333 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44 + 44) \times (44444 + 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (55555 + 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (66666 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (77777 + 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (88888 + 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (99999 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} \textcolor{red}{398} &:= \frac{(111 + 111 - 11 - 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 - 22 - 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 - 33 - 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 - 44 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 - 55 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 - 66 - 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 - 77 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 - 88 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 - 99 - 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2398} &:= \frac{(1111 + 111 - 11 - 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 - 22 - 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 - 33 - 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 - 44 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 - 55 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 - 66 - 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 - 77 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 - 88 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 - 99 - 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22398} &:= \frac{(11111 + 111 - 11 - 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 - 22 - 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 - 33 - 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 - 44 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 - 55 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 - 66 - 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 - 77 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 - 88 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 - 99 - 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222398} &:= \frac{(111111 + 111 - 11 - 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 - 22 - 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 - 33 - 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 - 44 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 - 55 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 - 66 - 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 - 77 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 - 88 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 - 99 - 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

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399

$$\begin{aligned} &:= \frac{(111 + 11 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 22 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 33 + 33) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 44 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 55 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 66 + 66) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 77 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 88 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 99 + 99) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

3399

$$\begin{aligned} &:= \frac{(1111 + 11 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 22 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 33 + 33) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 44 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 55 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 66 + 66) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 77 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 88 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 99 + 99) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

33399

$$\begin{aligned} &:= \frac{(11111 + 11 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 22 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 33 + 33) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 55 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 66 + 66) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 88 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 99 + 99) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

333399

$$\begin{aligned} &:= \frac{(111111 + 11 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 22 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 33 + 33) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 44 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 55 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 66 + 66) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 77 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 88 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 99 + 99) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

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400

$$\begin{aligned} &:= \frac{(111 - 11) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(222 - 22) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(333 - 33) \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 - 44) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(555 - 55) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(666 - 66) \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 - 77) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(888 - 88) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(999 - 99) \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

4400

$$\begin{aligned} &:= \frac{(1111 - 11) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(2222 - 22) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(3333 - 33) \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 - 44) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(5555 - 55) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(6666 - 66) \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(7777 - 77) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(8888 - 88) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(9999 - 99) \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

44400

$$\begin{aligned} &:= \frac{(11111 - 11) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(22222 - 22) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(33333 - 33) \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 - 44) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(55555 - 55) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(66666 - 66) \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 - 77) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(88888 - 88) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(99999 - 99) \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

444400

$$\begin{aligned} &:= \frac{(111111 - 11) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(222222 - 22) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(333333 - 33) \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444444 - 44) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(555555 - 55) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(666666 - 66) \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777777 - 77) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(888888 - 88) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(999999 - 99) \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

► 401

$$\begin{aligned} &:= \frac{(111 - 11) \times (1 + 1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 22) \times (2 + 2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 33) \times (3 + 3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44) \times (4 + 4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 55) \times (5 + 5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 66) \times (6 + 6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77) \times (7 + 7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 88) \times (8 + 8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 99) \times (9 + 9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

4401

$$\begin{aligned} &:= \frac{(1111 - 11) \times (1 + 1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 22) \times (2 + 2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 33) \times (3 + 3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 44) \times (4 + 4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 55) \times (5 + 5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 66) \times (6 + 6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 77) \times (7 + 7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 - 88) \times (8 + 8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 - 99) \times (9 + 9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

44401

$$\begin{aligned} &:= \frac{(11111 - 11) \times (1 + 1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 - 22) \times (2 + 2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 - 33) \times (3 + 3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 44) \times (4 + 4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 - 55) \times (5 + 5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 - 66) \times (6 + 6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 77) \times (7 + 7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 - 88) \times (8 + 8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 - 99) \times (9 + 9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

444401

$$\begin{aligned} &:= \frac{(111111 - 11) \times (1 + 1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 - 22) \times (2 + 2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 - 33) \times (3 + 3 + 3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44) \times (4 + 4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 - 55) \times (5 + 5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 - 66) \times (6 + 6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77) \times (7 + 7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 - 88) \times (8 + 8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 - 99) \times (9 + 9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► 402

$$\begin{aligned} &:= \frac{(111 - 11) \times (1 + 1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(222 - 22) \times (2 + 2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(333 - 33) \times (3 + 3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 - 44) \times (4 + 4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(555 - 55) \times (5 + 5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(666 - 66) \times (6 + 6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 - 77) \times (7 + 7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(888 - 88) \times (8 + 8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(999 - 99) \times (9 + 9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

4402

$$\begin{aligned} &:= \frac{(1111 - 11) \times (1 + 1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(2222 - 22) \times (2 + 2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(3333 - 33) \times (3 + 3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(4444 - 44) \times (4 + 4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(5555 - 55) \times (5 + 5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(6666 - 66) \times (6 + 6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 - 77) \times (7 + 7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(8888 - 88) \times (8 + 8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(9999 - 99) \times (9 + 9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44402} &:= \frac{(11111 - 11) \times (1 + 1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(22222 - 22) \times (2 + 2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(33333 - 33) \times (3 + 3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 - 44) \times (4 + 4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(55555 - 55) \times (5 + 5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(66666 - 66) \times (6 + 6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 - 77) \times (7 + 7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(88888 - 88) \times (8 + 8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(99999 - 99) \times (9 + 9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{444402} &:= \frac{(111111 - 11) \times (1 + 1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(222222 - 22) \times (2 + 2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(333333 - 33) \times (3 + 3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 - 44) \times (4 + 4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(555555 - 55) \times (5 + 5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(666666 - 66) \times (6 + 6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 - 77) \times (7 + 7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(888888 - 88) \times (8 + 8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(999999 - 99) \times (9 + 9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{403} &:= \frac{(1111 + 1111) \times (1 + 1) - 1 \times 11}{1 \times 11} = \frac{(2222 + 2222) \times (2 + 2) - 2 \times 22}{2 \times 22} = \frac{(3333 + 3333) \times (3 + 3) - 3 \times 33}{3 \times 33} \\ &:= \frac{(4444 + 4444) \times (4 + 4) - 4 \times 44}{4 \times 44} = \frac{(5555 + 5555) \times (5 + 5) - 5 \times 55}{5 \times 55} = \frac{(6666 + 6666) \times (6 + 6) - 6 \times 66}{6 \times 66} \\ &:= \frac{(7777 + 7777) \times (7 + 7) - 7 \times 77}{7 \times 77} = \frac{(8888 + 8888) \times (8 + 8) - 8 \times 88}{8 \times 88} = \frac{(9999 + 9999) \times (9 + 9) - 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{20403} &:= \frac{(111111 + 1111) \times (1 + 1) - 1 \times 11}{1 \times 11} = \frac{(222222 + 2222) \times (2 + 2) - 2 \times 22}{2 \times 22} = \frac{(333333 + 3333) \times (3 + 3) - 3 \times 33}{3 \times 33} \\ &:= \frac{(444444 + 4444) \times (4 + 4) - 4 \times 44}{4 \times 44} = \frac{(555555 + 5555) \times (5 + 5) - 5 \times 55}{5 \times 55} = \frac{(666666 + 6666) \times (6 + 6) - 6 \times 66}{6 \times 66} \\ &:= \frac{(777777 + 7777) \times (7 + 7) - 7 \times 77}{7 \times 77} = \frac{(888888 + 8888) \times (8 + 8) - 8 \times 88}{8 \times 88} = \frac{(999999 + 9999) \times (9 + 9) - 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2020403} &:= \frac{(11111111 + 1111) \times (1 + 1) - 1 \times 11}{1 \times 11} = \frac{(22222222 + 2222) \times (2 + 2) - 2 \times 22}{2 \times 22} = \frac{(33333333 + 3333) \times (3 + 3) - 3 \times 33}{3 \times 33} \\ &:= \frac{(44444444 + 4444) \times (4 + 4) - 4 \times 44}{4 \times 44} = \frac{(55555555 + 5555) \times (5 + 5) - 5 \times 55}{5 \times 55} = \frac{(66666666 + 6666) \times (6 + 6) - 6 \times 66}{6 \times 66} \\ &:= \frac{(77777777 + 7777) \times (7 + 7) - 7 \times 77}{7 \times 77} = \frac{(88888888 + 8888) \times (8 + 8) - 8 \times 88}{8 \times 88} = \frac{(99999999 + 9999) \times (9 + 9) - 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{202020403} &:= \frac{(1111111111 + 1111) \times (1 + 1) - 1 \times 11}{1 \times 11} = \frac{(2222222222 + 2222) \times (2 + 2) - 2 \times 22}{2 \times 22} = \frac{(3333333333 + 3333) \times (3 + 3) - 3 \times 33}{3 \times 33} \\ &:= \frac{(4444444444 + 4444) \times (4 + 4) - 4 \times 44}{4 \times 44} = \frac{(5555555555 + 5555) \times (5 + 5) - 5 \times 55}{5 \times 55} = \frac{(6666666666 + 6666) \times (6 + 6) - 6 \times 66}{6 \times 66} \\ &:= \frac{(7777777777 + 7777) \times (7 + 7) - 7 \times 77}{7 \times 77} = \frac{(8888888888 + 8888) \times (8 + 8) - 8 \times 88}{8 \times 88} = \frac{(9999999999 + 9999) \times (9 + 9) - 9 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 404 &:= \frac{1111 \times (1+1+1+1)}{11 \times 1} = \frac{2222 \times (2+2+2+2)}{22 \times 2} = \frac{3333 \times (3+3+3+3)}{33 \times 3} \\ &:= \frac{4444 \times (4+4+4+4)}{44 \times 4} = \frac{5555 \times (5+5+5+5)}{55 \times 5} = \frac{6666 \times (6+6+6+6)}{66 \times 6} \\ &:= \frac{7777 \times (7+7+7+7)}{77 \times 7} = \frac{8888 \times (8+8+8+8)}{88 \times 8} = \frac{9999 \times (9+9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} 40404 &:= \frac{111111 \times (1+1+1+1)}{11 \times 1} = \frac{222222 \times (2+2+2+2)}{22 \times 2} = \frac{333333 \times (3+3+3+3)}{33 \times 3} \\ &:= \frac{444444 \times (4+4+4+4)}{44 \times 4} = \frac{555555 \times (5+5+5+5)}{55 \times 5} = \frac{666666 \times (6+6+6+6)}{66 \times 6} \\ &:= \frac{777777 \times (7+7+7+7)}{77 \times 7} = \frac{888888 \times (8+8+8+8)}{88 \times 8} = \frac{999999 \times (9+9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} 4040404 &:= \frac{11111111 \times (1+1+1+1)}{11 \times 1} = \frac{22222222 \times (2+2+2+2)}{22 \times 2} = \frac{33333333 \times (3+3+3+3)}{33 \times 3} \\ &:= \frac{44444444 \times (4+4+4+4)}{44 \times 4} = \frac{55555555 \times (5+5+5+5)}{55 \times 5} = \frac{66666666 \times (6+6+6+6)}{66 \times 6} \\ &:= \frac{77777777 \times (7+7+7+7)}{77 \times 7} = \frac{88888888 \times (8+8+8+8)}{88 \times 8} = \frac{99999999 \times (9+9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} 404040404 &:= \frac{1111111111 \times (1+1+1+1)}{11 \times 1} = \frac{2222222222 \times (2+2+2+2)}{22 \times 2} = \frac{3333333333 \times (3+3+3+3)}{33 \times 3} \\ &:= \frac{4444444444 \times (4+4+4+4)}{44 \times 4} = \frac{5555555555 \times (5+5+5+5)}{55 \times 5} = \frac{6666666666 \times (6+6+6+6)}{66 \times 6} \\ &:= \frac{7777777777 \times (7+7+7+7)}{77 \times 7} = \frac{8888888888 \times (8+8+8+8)}{88 \times 8} = \frac{9999999999 \times (9+9+9+9)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 405 &:= \frac{111 \times 11 - (1+1+1) \times (1+1)}{(1+1+1) \times 1} = \frac{222 \times 22 - (2+2+2) \times (2+2)}{(2+2+2) \times 2} = \frac{333 \times 33 - (3+3+3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{444 \times 44 - (4+4+4) \times (4+4)}{(4+4+4) \times 4} = \frac{555 \times 55 - (5+5+5) \times (5+5)}{(5+5+5) \times 5} = \frac{666 \times 66 - (6+6+6) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{777 \times 77 - (7+7+7) \times (7+7)}{(7+7+7) \times 7} = \frac{888 \times 88 - (8+8+8) \times (8+8)}{(8+8+8) \times 8} = \frac{999 \times 99 - (9+9+9) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 4105 &:= \frac{111 \times 111 - (1+1+1) \times (1+1)}{(1+1+1) \times 1} = \frac{222 \times 222 - (2+2+2) \times (2+2)}{(2+2+2) \times 2} = \frac{333 \times 333 - (3+3+3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{444 \times 444 - (4+4+4) \times (4+4)}{(4+4+4) \times 4} = \frac{555 \times 555 - (5+5+5) \times (5+5)}{(5+5+5) \times 5} = \frac{666 \times 666 - (6+6+6) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{777 \times 777 - (7+7+7) \times (7+7)}{(7+7+7) \times 7} = \frac{888 \times 888 - (8+8+8) \times (8+8)}{(8+8+8) \times 8} = \frac{999 \times 999 - (9+9+9) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 41105 &:= \frac{111 \times 1111 - (1+1+1) \times (1+1)}{(1+1+1) \times 1} = \frac{222 \times 2222 - (2+2+2) \times (2+2)}{(2+2+2) \times 2} = \frac{333 \times 3333 - (3+3+3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{444 \times 4444 - (4+4+4) \times (4+4)}{(4+4+4) \times 4} = \frac{555 \times 5555 - (5+5+5) \times (5+5)}{(5+5+5) \times 5} = \frac{666 \times 6666 - (6+6+6) \times (6+6)}{(6+6+6) \times 6} \end{aligned}$$

$$:= \frac{777 \times 7777 - (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{888 \times 8888 - (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{999 \times 9999 - (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9}$$

411105

$$:= \frac{111 \times 11111 - (1 + 1 + 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{222 \times 22222 - (2 + 2 + 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{333 \times 33333 - (3 + 3 + 3) \times (3 + 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{444 \times 44444 - (4 + 4 + 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{555 \times 55555 - (5 + 5 + 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{666 \times 66666 - (6 + 6 + 6) \times (6 + 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{777 \times 77777 - (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{888 \times 88888 - (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{999 \times 99999 - (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9}$$

► 406

$$:= \frac{111 \times 11 - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{222 \times 22 - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{333 \times 33 - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$$
$$:= \frac{444 \times 44 - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{555 \times 55 - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{666 \times 66 - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6}$$
$$:= \frac{777 \times 77 - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{888 \times 88 - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{999 \times 99 - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}$$

4106

$$:= \frac{111 \times 111 - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{222 \times 222 - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{333 \times 333 - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$$
$$:= \frac{444 \times 444 - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{555 \times 555 - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{666 \times 666 - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6}$$
$$:= \frac{777 \times 777 - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{888 \times 888 - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{999 \times 999 - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}$$

41106

$$:= \frac{111 \times 1111 - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{222 \times 2222 - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{333 \times 3333 - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$$
$$:= \frac{444 \times 4444 - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{555 \times 5555 - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{666 \times 6666 - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6}$$
$$:= \frac{777 \times 7777 - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{888 \times 8888 - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{999 \times 9999 - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}$$

411106

$$:= \frac{111 \times 11111 - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{222 \times 22222 - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{333 \times 33333 - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$$
$$:= \frac{444 \times 44444 - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{555 \times 55555 - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{666 \times 66666 - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6}$$
$$:= \frac{777 \times 77777 - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{888 \times 88888 - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{999 \times 99999 - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}$$

► 407

$$:= \frac{111 \times 11}{(1 + 1 + 1) \times 1} = \frac{222 \times 22}{(2 + 2 + 2) \times 2} = \frac{333 \times 33}{(3 + 3 + 3) \times 3} = \frac{444 \times 44}{(4 + 4 + 4) \times 4} = \frac{555 \times 55}{(5 + 5 + 5) \times 5} = \frac{666 \times 66}{(6 + 6 + 6) \times 6}$$
$$:= \frac{777 \times 77}{(7 + 7 + 7) \times 7} = \frac{888 \times 88}{(8 + 8 + 8) \times 8} = \frac{999 \times 99}{(9 + 9 + 9) \times 9}$$

4107

$$:= \frac{111 \times 111}{(1 + 1 + 1) \times 1} = \frac{222 \times 222}{(2 + 2 + 2) \times 2} = \frac{333 \times 333}{(3 + 3 + 3) \times 3} = \frac{444 \times 444}{(4 + 4 + 4) \times 4} = \frac{555 \times 555}{(5 + 5 + 5) \times 5} = \frac{666 \times 666}{(6 + 6 + 6) \times 6}$$

$$:= \frac{777 \times 777}{(7+7+7) \times 7} = \frac{888 \times 888}{(8+8+8) \times 8} = \frac{999 \times 999}{(9+9+9) \times 9}$$

41107 := $\frac{111 \times 1111}{(1+1+1) \times 1} = \frac{222 \times 2222}{(2+2+2) \times 2} = \frac{333 \times 3333}{(3+3+3) \times 3} = \frac{444 \times 4444}{(4+4+4) \times 4} = \frac{555 \times 5555}{(5+5+5) \times 5} = \frac{666 \times 6666}{(6+6+6) \times 6}$

$$:= \frac{777 \times 7777}{(7+7+7) \times 7} = \frac{888 \times 8888}{(8+8+8) \times 8} = \frac{999 \times 9999}{(9+9+9) \times 9}$$

411107 := $\frac{111 \times 11111}{(1+1+1) \times 1} = \frac{222 \times 22222}{(2+2+2) \times 2} = \frac{333 \times 33333}{(3+3+3) \times 3} = \frac{444 \times 44444}{(4+4+4) \times 4} = \frac{555 \times 55555}{(5+5+5) \times 5} = \frac{666 \times 66666}{(6+6+6) \times 6}$

$$:= \frac{777 \times 77777}{(7+7+7) \times 7} = \frac{888 \times 88888}{(8+8+8) \times 8} = \frac{999 \times 99999}{(9+9+9) \times 9}$$

► **408** := $\frac{111 \times 11 + (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{222 \times 22 + (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{333 \times 33 + (3+3+3) \times 3}{(3+3+3) \times 3}$

$$:= \frac{444 \times 44 + (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{555 \times 55 + (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{666 \times 66 + (6+6+6) \times 6}{(6+6+6) \times 6}$$
$$:= \frac{777 \times 77 + (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{888 \times 88 + (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{999 \times 99 + (9+9+9) \times 9}{(9+9+9) \times 9}$$

4108 := $\frac{111 \times 111 + (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{222 \times 222 + (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{333 \times 333 + (3+3+3) \times 3}{(3+3+3) \times 3}$

$$:= \frac{444 \times 444 + (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{555 \times 555 + (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{666 \times 666 + (6+6+6) \times 6}{(6+6+6) \times 6}$$
$$:= \frac{777 \times 777 + (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{888 \times 888 + (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{999 \times 999 + (9+9+9) \times 9}{(9+9+9) \times 9}$$

41108 := $\frac{111 \times 1111 + (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{222 \times 2222 + (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{333 \times 3333 + (3+3+3) \times 3}{(3+3+3) \times 3}$

$$:= \frac{444 \times 4444 + (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{555 \times 5555 + (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{666 \times 6666 + (6+6+6) \times 6}{(6+6+6) \times 6}$$
$$:= \frac{777 \times 7777 + (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{888 \times 8888 + (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{999 \times 9999 + (9+9+9) \times 9}{(9+9+9) \times 9}$$

411108 := $\frac{111 \times 11111 + (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{222 \times 22222 + (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{333 \times 33333 + (3+3+3) \times 3}{(3+3+3) \times 3}$

$$:= \frac{444 \times 44444 + (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{555 \times 55555 + (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{666 \times 66666 + (6+6+6) \times 6}{(6+6+6) \times 6}$$
$$:= \frac{777 \times 77777 + (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{888 \times 88888 + (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{999 \times 99999 + (9+9+9) \times 9}{(9+9+9) \times 9}$$

► **409** := $\frac{111 \times 11 + (1+1+1) \times (1+1)}{(1+1+1) \times 1} = \frac{222 \times 22 + (2+2+2) \times (2+2)}{(2+2+2) \times 2} = \frac{333 \times 33 + (3+3+3) \times (3+3)}{(3+3+3) \times 3}$

$$:= \frac{444 \times 44 + (4+4+4) \times (4+4)}{(4+4+4) \times 4} = \frac{555 \times 55 + (5+5+5) \times (5+5)}{(5+5+5) \times 5} = \frac{666 \times 66 + (6+6+6) \times (6+6)}{(6+6+6) \times 6}$$

$$:= \frac{777 \times 77 + (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{888 \times 88 + (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{999 \times 99 + (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9}$$

4109 := $\frac{111 \times 111 + (1 + 1 + 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{222 \times 222 + (2 + 2 + 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{333 \times 333 + (3 + 3 + 3) \times (3 + 3)}{(3 + 3 + 3) \times 3}$

:= $\frac{444 \times 444 + (4 + 4 + 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{555 \times 555 + (5 + 5 + 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{666 \times 666 + (6 + 6 + 6) \times (6 + 6)}{(6 + 6 + 6) \times 6}$

:= $\frac{777 \times 777 + (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{888 \times 888 + (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{999 \times 999 + (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9}$

41109 := $\frac{111 \times 1111 + (1 + 1 + 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{222 \times 2222 + (2 + 2 + 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{333 \times 3333 + (3 + 3 + 3) \times (3 + 3)}{(3 + 3 + 3) \times 3}$

:= $\frac{444 \times 4444 + (4 + 4 + 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{555 \times 5555 + (5 + 5 + 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{666 \times 6666 + (6 + 6 + 6) \times (6 + 6)}{(6 + 6 + 6) \times 6}$

:= $\frac{777 \times 7777 + (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{888 \times 8888 + (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{999 \times 9999 + (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9}$

411109 := $\frac{111 \times 11111 + (1 + 1 + 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{222 \times 22222 + (2 + 2 + 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{333 \times 33333 + (3 + 3 + 3) \times (3 + 3)}{(3 + 3 + 3) \times 3}$

:= $\frac{444 \times 44444 + (4 + 4 + 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{555 \times 55555 + (5 + 5 + 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{666 \times 66666 + (6 + 6 + 6) \times (6 + 6)}{(6 + 6 + 6) \times 6}$

:= $\frac{777 \times 77777 + (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{888 \times 88888 + (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{999 \times 99999 + (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9}$

► **410** := $\frac{1111 + 111 + 11 - 1 - 1 - 1}{1 + 1 + 1} = \frac{2222 + 222 + 22 - 2 - 2 - 2}{2 + 2 + 2} = \frac{3333 + 333 + 33 - 3 - 3 - 3}{3 + 3 + 3}$

:= $\frac{4444 + 444 + 44 - 4 - 4 - 4}{4 + 4 + 4} = \frac{5555 + 555 + 55 - 5 - 5 - 5}{5 + 5 + 5} = \frac{6666 + 666 + 66 - 6 - 6 - 6}{6 + 6 + 6}$

:= $\frac{7777 + 777 + 77 - 7 - 7 - 7}{7 + 7 + 7} = \frac{8888 + 888 + 88 - 8 - 8 - 8}{8 + 8 + 8} = \frac{9999 + 999 + 99 - 9 - 9 - 9}{9 + 9 + 9}$

4110 := $\frac{11111 + 1111 + 111 - 1 - 1 - 1}{1 + 1 + 1} = \frac{22222 + 2222 + 222 - 2 - 2 - 2}{2 + 2 + 2} = \frac{33333 + 3333 + 333 - 3 - 3 - 3}{3 + 3 + 3}$

:= $\frac{44444 + 4444 + 444 - 4 - 4 - 4}{4 + 4 + 4} = \frac{55555 + 5555 + 555 - 5 - 5 - 5}{5 + 5 + 5} = \frac{66666 + 6666 + 666 - 6 - 6 - 6}{6 + 6 + 6}$

:= $\frac{77777 + 7777 + 777 - 7 - 7 - 7}{7 + 7 + 7} = \frac{88888 + 8888 + 888 - 8 - 8 - 8}{8 + 8 + 8} = \frac{99999 + 9999 + 999 - 9 - 9 - 9}{9 + 9 + 9}$

41110 := $\frac{111111 + 11111 + 1111 - 1 - 1 - 1}{1 + 1 + 1} = \frac{222222 + 22222 + 2222 - 2 - 2 - 2}{2 + 2 + 2} = \frac{333333 + 33333 + 3333 - 3 - 3 - 3}{3 + 3 + 3}$

:= $\frac{444444 + 44444 + 4444 - 4 - 4 - 4}{4 + 4 + 4} = \frac{555555 + 55555 + 5555 - 5 - 5 - 5}{5 + 5 + 5} = \frac{666666 + 66666 + 6666 - 6 - 6 - 6}{6 + 6 + 6}$

:= $\frac{777777 + 77777 + 7777 - 7 - 7 - 7}{7 + 7 + 7} = \frac{888888 + 88888 + 8888 - 8 - 8 - 8}{8 + 8 + 8} = \frac{999999 + 99999 + 9999 - 9 - 9 - 9}{9 + 9 + 9}$

411110 := $\frac{1111111 + 111111 + 11111 - 1 - 1 - 1}{1 + 1 + 1} = \frac{2222222 + 222222 + 22222 - 2 - 2 - 2}{2 + 2 + 2} = \frac{3333333 + 333333 + 33333 - 3 - 3 - 3}{3 + 3 + 3}$

$$\begin{aligned} &:= \frac{4444444 + 444444 + 44444 - 4 - 4 - 4}{4 + 4 + 4} = \frac{5555555 + 555555 + 55555 - 5 - 5 - 5}{5 + 5 + 5} = \frac{6666666 + 666666 + 66666 - 6 - 6 - 6}{6 + 6 + 6} \\ &:= \frac{7777777 + 777777 + 77777 - 7 - 7 - 7}{7 + 7 + 7} = \frac{8888888 + 888888 + 88888 - 8 - 8 - 8}{8 + 8 + 8} = \frac{9999999 + 999999 + 99999 - 9 - 9 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \mathbf{411} &:= \frac{1111 + 111 + 11}{1 + 1 + 1} = \frac{2222 + 222 + 22}{2 + 2 + 2} = \frac{3333 + 333 + 33}{3 + 3 + 3} \\ &:= \frac{4444 + 444 + 44}{4 + 4 + 4} = \frac{5555 + 555 + 55}{5 + 5 + 5} = \frac{6666 + 666 + 66}{6 + 6 + 6} \\ &:= \frac{7777 + 777 + 77}{7 + 7 + 7} = \frac{8888 + 888 + 88}{8 + 8 + 8} = \frac{9999 + 999 + 99}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{4111} &:= \frac{11111 + 1111 + 111}{1 + 1 + 1} = \frac{22222 + 2222 + 222}{2 + 2 + 2} = \frac{33333 + 3333 + 333}{3 + 3 + 3} \\ &:= \frac{44444 + 4444 + 444}{4 + 4 + 4} = \frac{55555 + 5555 + 555}{5 + 5 + 5} = \frac{66666 + 6666 + 666}{6 + 6 + 6} \\ &:= \frac{77777 + 7777 + 777}{7 + 7 + 7} = \frac{88888 + 8888 + 888}{8 + 8 + 8} = \frac{99999 + 9999 + 999}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{41111} &:= \frac{111111 + 11111 + 1111}{1 + 1 + 1} = \frac{222222 + 22222 + 2222}{2 + 2 + 2} = \frac{333333 + 33333 + 3333}{3 + 3 + 3} \\ &:= \frac{444444 + 44444 + 4444}{4 + 4 + 4} = \frac{555555 + 55555 + 5555}{5 + 5 + 5} = \frac{666666 + 66666 + 6666}{6 + 6 + 6} \\ &:= \frac{777777 + 77777 + 7777}{7 + 7 + 7} = \frac{888888 + 88888 + 8888}{8 + 8 + 8} = \frac{999999 + 99999 + 9999}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{411111} &:= \frac{1111111 + 111111 + 11111}{1 + 1 + 1} = \frac{2222222 + 222222 + 22222}{2 + 2 + 2} = \frac{3333333 + 333333 + 33333}{3 + 3 + 3} \\ &:= \frac{4444444 + 444444 + 44444}{4 + 4 + 4} = \frac{5555555 + 555555 + 55555}{5 + 5 + 5} = \frac{6666666 + 666666 + 66666}{6 + 6 + 6} \\ &:= \frac{7777777 + 777777 + 77777}{7 + 7 + 7} = \frac{8888888 + 888888 + 88888}{8 + 8 + 8} = \frac{9999999 + 999999 + 99999}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \mathbf{412} &:= \frac{1111 + 111 + 11 + 1 + 1 + 1}{1 + 1 + 1} = \frac{2222 + 222 + 22 + 2 + 2 + 2}{2 + 2 + 2} = \frac{3333 + 333 + 33 + 3 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{4444 + 444 + 44 + 4 + 4 + 4}{4 + 4 + 4} = \frac{5555 + 555 + 55 + 5 + 5 + 5}{5 + 5 + 5} = \frac{6666 + 666 + 66 + 6 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{7777 + 777 + 77 + 7 + 7 + 7}{7 + 7 + 7} = \frac{8888 + 888 + 88 + 8 + 8 + 8}{8 + 8 + 8} = \frac{9999 + 999 + 99 + 9 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{4112} &:= \frac{11111 + 1111 + 111 + 1 + 1 + 1}{1 + 1 + 1} = \frac{22222 + 2222 + 222 + 2 + 2 + 2}{2 + 2 + 2} = \frac{33333 + 3333 + 333 + 3 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{44444 + 4444 + 444 + 4 + 4 + 4}{4 + 4 + 4} = \frac{55555 + 5555 + 555 + 5 + 5 + 5}{5 + 5 + 5} = \frac{66666 + 6666 + 666 + 6 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{77777 + 7777 + 777 + 7 + 7 + 7}{7 + 7 + 7} = \frac{88888 + 8888 + 888 + 8 + 8 + 8}{8 + 8 + 8} = \frac{99999 + 9999 + 999 + 9 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{41112} &:= \frac{111111 + 11111 + 1111 + 1 + 1 + 1}{1 + 1 + 1} = \frac{222222 + 22222 + 2222 + 2 + 2 + 2}{2 + 2 + 2} = \frac{333333 + 33333 + 3333 + 3 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{444444 + 44444 + 4444 + 4 + 4 + 4}{4 + 4 + 4} = \frac{555555 + 55555 + 5555 + 5 + 5 + 5}{5 + 5 + 5} = \frac{666666 + 66666 + 6666 + 6 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{777777 + 77777 + 7777 + 7 + 7 + 7}{7 + 7 + 7} = \frac{888888 + 88888 + 8888 + 8 + 8 + 8}{8 + 8 + 8} = \frac{999999 + 99999 + 9999 + 9 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{411112} &:= \frac{1111111 + 1111111 + 11111 + 1 + 1 + 1}{1 + 1 + 1} = \frac{2222222 + 222222 + 22222 + 2 + 2 + 2}{2 + 2 + 2} = \frac{3333333 + 333333 + 33333 + 3 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{4444444 + 444444 + 44444 + 4 + 4 + 4}{4 + 4 + 4} = \frac{5555555 + 555555 + 55555 + 5 + 5 + 5}{5 + 5 + 5} = \frac{6666666 + 666666 + 66666 + 6 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{7777777 + 777777 + 77777 + 7 + 7 + 7}{7 + 7 + 7} = \frac{8888888 + 888888 + 88888 + 8 + 8 + 8}{8 + 8 + 8} = \frac{9999999 + 999999 + 99999 + 9 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

► **413** := $\frac{1111 \times (1 + 1 + 1) + (111 - 1) \times 11}{1 \times 11} = \frac{2222 \times (2 + 2 + 2) + (222 - 2) \times 22}{2 \times 22} = \frac{3333 \times (3 + 3 + 3) + (333 - 3) \times 33}{3 \times 33}$
:= $\frac{4444 \times (4 + 4 + 4) + (444 - 4) \times 44}{4 \times 44} = \frac{5555 \times (5 + 5 + 5) + (555 - 5) \times 55}{5 \times 55} = \frac{6666 \times (6 + 6 + 6) + (666 - 6) \times 66}{6 \times 66}$
:= $\frac{7777 \times (7 + 7 + 7) + (777 - 7) \times 77}{7 \times 77} = \frac{8888 \times (8 + 8 + 8) + (888 - 8) \times 88}{8 \times 88} = \frac{9999 \times (9 + 9 + 9) + (999 - 9) \times 99}{9 \times 99}$

$$\begin{aligned} \mathbf{1413} &:= \frac{1111 \times (1+1+1) + (111-1) \times 111}{1 \times 11} = \frac{2222 \times (2+2+2) + (222-2) \times 222}{2 \times 22} = \frac{3333 \times (3+3+3) + (333-3) \times 333}{3 \times 33} \\ &:= \frac{4444 \times (4+4+4) + (444-4) \times 444}{4 \times 44} = \frac{5555 \times (5+5+5) + (555-5) \times 555}{5 \times 55} = \frac{6666 \times (6+6+6) + (666-6) \times 666}{6 \times 66} \\ &:= \frac{7777 \times (7+7+7) + (777-7) \times 777}{7 \times 77} = \frac{8888 \times (8+8+8) + (888-8) \times 888}{8 \times 88} = \frac{9999 \times (9+9+9) + (999-9) \times 999}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \mathbf{11413} &:= \frac{1111 \times (1+1+1) + (111-1) \times 1111}{1 \times 11} = \frac{2222 \times (2+2+2) + (222-2) \times 2222}{2 \times 22} = \frac{3333 \times (3+3+3) + (333-3) \times 3333}{3 \times 33} \\ &:= \frac{4444 \times (4+4+4) + (444-4) \times 4444}{4 \times 44} = \frac{5555 \times (5+5+5) + (555-5) \times 5555}{5 \times 55} = \frac{6666 \times (6+6+6) + (666-6) \times 6666}{6 \times 66} \\ &:= \frac{7777 \times (7+7+7) + (777-7) \times 7777}{7 \times 77} = \frac{8888 \times (8+8+8) + (888-8) \times 8888}{8 \times 88} = \frac{9999 \times (9+9+9) + (999-9) \times 9999}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \mathbf{111413} &:= \frac{1111 \times (1+1+1) + (111-1) \times 11111}{1 \times 11} = \frac{2222 \times (2+2+2) + (222-2) \times 22222}{2 \times 22} = \frac{3333 \times (3+3+3) + (333-3) \times 33333}{3 \times 33} \\ &:= \frac{4444 \times (4+4+4) + (444-4) \times 44444}{4 \times 44} = \frac{5555 \times (5+5+5) + (555-5) \times 55555}{5 \times 55} = \frac{6666 \times (6+6+6) + (666-6) \times 66666}{6 \times 66} \\ &:= \frac{7777 \times (7+7+7) + (777-7) \times 77777}{7 \times 77} = \frac{8888 \times (8+8+8) + (888-8) \times 88888}{8 \times 88} = \frac{9999 \times (9+9+9) + (999-9) \times 99999}{9 \times 99} \end{aligned}$$

► **414** := $\frac{1111 \times (1 + 1 + 1) + 111 \times 11}{1 \times 11} = \frac{2222 \times (2 + 2 + 2) + 222 \times 22}{2 \times 22} = \frac{3333 \times (3 + 3 + 3) + 333 \times 33}{3 \times 33}$
:= $\frac{4444 \times (4 + 4 + 4) + 444 \times 44}{4 \times 44} = \frac{5555 \times (5 + 5 + 5) + 555 \times 55}{5 \times 55} = \frac{6666 \times (6 + 6 + 6) + 666 \times 66}{6 \times 66}$

$$:= \frac{7777 \times (7 + 7 + 7) + 777 \times 77}{7 \times 77} = \frac{8888 \times (8 + 8 + 8) + 888 \times 88}{8 \times 88} = \frac{9999 \times (9 + 9 + 9) + 999 \times 99}{9 \times 99}$$

30414

$$:= \frac{111111 \times (1 + 1 + 1) + 111 \times 11}{1 \times 11} = \frac{222222 \times (2 + 2 + 2) + 222 \times 22}{2 \times 22} = \frac{333333 \times (3 + 3 + 3) + 333 \times 33}{3 \times 33}$$
$$:= \frac{444444 \times (4 + 4 + 4) + 444 \times 44}{4 \times 44} = \frac{555555 \times (5 + 5 + 5) + 555 \times 55}{5 \times 55} = \frac{666666 \times (6 + 6 + 6) + 666 \times 66}{6 \times 66}$$
$$:= \frac{777777 \times (7 + 7 + 7) + 777 \times 77}{7 \times 77} = \frac{888888 \times (8 + 8 + 8) + 888 \times 88}{8 \times 88} = \frac{999999 \times (9 + 9 + 9) + 999 \times 99}{9 \times 99}$$

3030414

$$:= \frac{11111111 \times (1 + 1 + 1) + 111 \times 11}{1 \times 11} = \frac{22222222 \times (2 + 2 + 2) + 222 \times 22}{2 \times 22} = \frac{33333333 \times (3 + 3 + 3) + 333 \times 33}{3 \times 33}$$
$$:= \frac{44444444 \times (4 + 4 + 4) + 444 \times 44}{4 \times 44} = \frac{55555555 \times (5 + 5 + 5) + 555 \times 55}{5 \times 55} = \frac{66666666 \times (6 + 6 + 6) + 666 \times 66}{6 \times 66}$$
$$:= \frac{77777777 \times (7 + 7 + 7) + 777 \times 77}{7 \times 77} = \frac{88888888 \times (8 + 8 + 8) + 888 \times 88}{8 \times 88} = \frac{99999999 \times (9 + 9 + 9) + 999 \times 99}{9 \times 99}$$

303030414

$$:= \frac{1111111111 \times (1 + 1 + 1) + 111 \times 11}{1 \times 11} = \frac{2222222222 \times (2 + 2 + 2) + 222 \times 22}{2 \times 22} = \frac{3333333333 \times (3 + 3 + 3) + 333 \times 33}{3 \times 33}$$
$$:= \frac{4444444444 \times (4 + 4 + 4) + 444 \times 44}{4 \times 44} = \frac{5555555555 \times (5 + 5 + 5) + 555 \times 55}{5 \times 55} = \frac{6666666666 \times (6 + 6 + 6) + 666 \times 66}{6 \times 66}$$
$$:= \frac{7777777777 \times (7 + 7 + 7) + 777 \times 77}{7 \times 77} = \frac{8888888888 \times (8 + 8 + 8) + 888 \times 88}{8 \times 88} = \frac{9999999999 \times (9 + 9 + 9) + 999 \times 99}{9 \times 99}$$

► 415

$$:= \frac{1111 \times (1 + 1 + 1) + (111 + 1) \times 11}{1 \times 11} = \frac{2222 \times (2 + 2 + 2) + (222 + 2) \times 22}{2 \times 22} = \frac{3333 \times (3 + 3 + 3) + (333 + 3) \times 33}{3 \times 33}$$
$$:= \frac{4444 \times (4 + 4 + 4) + (444 + 4) \times 44}{4 \times 44} = \frac{5555 \times (5 + 5 + 5) + (555 + 5) \times 55}{5 \times 55} = \frac{6666 \times (6 + 6 + 6) + (666 + 6) \times 66}{6 \times 66}$$
$$:= \frac{7777 \times (7 + 7 + 7) + (777 + 7) \times 77}{7 \times 77} = \frac{8888 \times (8 + 8 + 8) + (888 + 8) \times 88}{8 \times 88} = \frac{9999 \times (9 + 9 + 9) + (999 + 9) \times 99}{9 \times 99}$$

30415

$$:= \frac{111111 \times (1 + 1 + 1) + (111 + 1) \times 11}{1 \times 11} = \frac{222222 \times (2 + 2 + 2) + (222 + 2) \times 22}{2 \times 22} = \frac{333333 \times (3 + 3 + 3) + (333 + 3) \times 33}{3 \times 33}$$
$$:= \frac{444444 \times (4 + 4 + 4) + (444 + 4) \times 44}{4 \times 44} = \frac{555555 \times (5 + 5 + 5) + (555 + 5) \times 55}{5 \times 55} = \frac{666666 \times (6 + 6 + 6) + (666 + 6) \times 66}{6 \times 66}$$
$$:= \frac{777777 \times (7 + 7 + 7) + (777 + 7) \times 77}{7 \times 77} = \frac{888888 \times (8 + 8 + 8) + (888 + 8) \times 88}{8 \times 88} = \frac{999999 \times (9 + 9 + 9) + (999 + 9) \times 99}{9 \times 99}$$

3030415

$$:= \frac{11111111 \times (1 + 1 + 1) + (111 + 1) \times 11}{1 \times 11} = \frac{22222222 \times (2 + 2 + 2) + (222 + 2) \times 22}{2 \times 22} = \frac{33333333 \times (3 + 3 + 3) + (333 + 3) \times 33}{3 \times 33}$$
$$:= \frac{44444444 \times (4 + 4 + 4) + (444 + 4) \times 44}{4 \times 44} = \frac{55555555 \times (5 + 5 + 5) + (555 + 5) \times 55}{5 \times 55} = \frac{66666666 \times (6 + 6 + 6) + (666 + 6) \times 66}{6 \times 66}$$
$$:= \frac{77777777 \times (7 + 7 + 7) + (777 + 7) \times 77}{7 \times 77} = \frac{88888888 \times (8 + 8 + 8) + (888 + 8) \times 88}{8 \times 88} = \frac{99999999 \times (9 + 9 + 9) + (999 + 9) \times 99}{9 \times 99}$$

303030415

$$:= \frac{1111111111 \times (1 + 1 + 1) + (111 + 1) \times 11}{1 \times 11} = \frac{2222222222 \times (2 + 2 + 2) + (222 + 2) \times 22}{2 \times 22} = \frac{3333333333 \times (3 + 3 + 3) + (333 + 3) \times 33}{3 \times 33}$$

$$\begin{aligned} &:= \frac{4444444444 \times (4 + 4 + 4) + (444 + 4) \times 44}{4 \times 44} = \frac{5555555555 \times (5 + 5 + 5) + (555 + 5) \times 55}{5 \times 55} = \frac{6666666666 \times (6 + 6 + 6) + (666 + 6) \times 66}{6 \times 66} \\ &:= \frac{7777777777 \times (7 + 7 + 7) + (777 + 7) \times 77}{7 \times 77} = \frac{8888888888 \times (8 + 8 + 8) + (888 + 8) \times 88}{8 \times 88} = \frac{9999999999 \times (9 + 9 + 9) + (999 + 9) \times 99}{9 \times 99} \end{aligned}$$

► **416** := $\frac{111 \times 11 + (11 - 1 - 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + (22 - 2 - 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + (33 - 3 - 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

:= $\frac{444 \times 44 + (44 - 4 - 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + (55 - 5 - 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + (66 - 6 - 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$

:= $\frac{777 \times 77 + (77 - 7 - 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + (88 - 8 - 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + (99 - 9 - 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$

4116 := $\frac{111 \times 111 + (11 - 1 - 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 222 + (22 - 2 - 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 333 + (33 - 3 - 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

:= $\frac{444 \times 444 + (44 - 4 - 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 555 + (55 - 5 - 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 666 + (66 - 6 - 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$

:= $\frac{777 \times 777 + (77 - 7 - 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 888 + (88 - 8 - 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 999 + (99 - 9 - 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$

41116 := $\frac{111 \times 1111 + (11 - 1 - 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2222 + (22 - 2 - 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3333 + (33 - 3 - 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

:= $\frac{444 \times 4444 + (44 - 4 - 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5555 + (55 - 5 - 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6666 + (66 - 6 - 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$

:= $\frac{777 \times 7777 + (77 - 7 - 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8888 + (88 - 8 - 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9999 + (99 - 9 - 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$

411116 := $\frac{111 \times 11111 + (11 - 1 - 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22222 + (22 - 2 - 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33333 + (33 - 3 - 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

:= $\frac{444 \times 44444 + (44 - 4 - 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55555 + (55 - 5 - 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66666 + (66 - 6 - 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$

:= $\frac{777 \times 77777 + (77 - 7 - 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88888 + (88 - 8 - 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99999 + (99 - 9 - 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$

► **417** := $\frac{111 \times 11 + (11 - 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + (22 - 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + (33 - 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

:= $\frac{444 \times 44 + (44 - 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + (55 - 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + (66 - 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$

:= $\frac{777 \times 77 + (77 - 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + (88 - 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + (99 - 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$

4117 := $\frac{111 \times 111 + (11 - 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 222 + (22 - 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 333 + (33 - 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

:= $\frac{444 \times 444 + (44 - 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 555 + (55 - 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 666 + (66 - 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$

$$:= \frac{777 \times 777 + (77 - 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 888 + (88 - 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 999 + (99 - 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

$$\begin{aligned} \mathbf{41117} &:= \frac{111 \times 1111 + (11 - 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2222 + (22 - 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3333 + (33 - 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 4444 + (44 - 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5555 + (55 - 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6666 + (66 - 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7777 + (77 - 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8888 + (88 - 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9999 + (99 - 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

$$\begin{aligned} \mathbf{411117} &:= \frac{111 \times 11111 + (11 - 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22222 + (22 - 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33333 + (33 - 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 44444 + (44 - 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55555 + (55 - 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66666 + (66 - 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 77777 + (77 - 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88888 + (88 - 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99999 + (99 - 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{418} &:= \frac{111 \times 11 + 11 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + 22 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + 33 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 44 + 44 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + 55 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + 66 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 77 + 77 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + 88 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + 99 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

$$\begin{aligned} \mathbf{4118} &:= \frac{111 \times 111 + 11 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 222 + 22 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 333 + 33 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 444 + 44 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 555 + 55 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 666 + 66 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 777 + 77 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 888 + 88 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 999 + 99 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

$$\begin{aligned} \mathbf{41118} &:= \frac{111 \times 1111 + 11 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2222 + 22 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3333 + 33 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 4444 + 44 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5555 + 55 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6666 + 66 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7777 + 77 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8888 + 88 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9999 + 99 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

$$\begin{aligned} \mathbf{411118} &:= \frac{111 \times 11111 + 11 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22222 + 22 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33333 + 33 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 44444 + 44 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55555 + 55 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66666 + 66 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 77777 + 77 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88888 + 88 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99999 + 99 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

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419

$$\begin{aligned} &:= \frac{111 \times 11 + (11 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + (22 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + (33 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 44 + (44 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + (55 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + (66 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 77 + (77 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + (88 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + (99 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

4119

$$\begin{aligned} &:= \frac{111 \times 111 + (11 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 222 + (22 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 333 + (33 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 444 + (44 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 555 + (55 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 666 + (66 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 777 + (77 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 888 + (88 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 999 + (99 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

41119

$$\begin{aligned} &:= \frac{111 \times 1111 + (11 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2222 + (22 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3333 + (33 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 4444 + (44 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5555 + (55 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6666 + (66 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 7777 + (77 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8888 + (88 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9999 + (99 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

411119

$$\begin{aligned} &:= \frac{111 \times 11111 + (11 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22222 + (22 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33333 + (33 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 44444 + (44 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55555 + (55 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66666 + (66 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 77777 + (77 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88888 + (88 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99999 + (99 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

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420

$$\begin{aligned} &:= \frac{(111 + 111 - 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 - 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 - 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 - 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 - 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

2420

$$\begin{aligned} &:= \frac{(1111 + 111 - 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 - 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 - 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 - 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 - 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

22420

$$\begin{aligned} &:= \frac{(11111 + 111 - 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 - 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 - 33 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 - 66 - 6) \times (6 + 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(77777 + 777 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 - 99 - 9) \times (9 + 9)}{9 \times 9}$$

222420 := $\frac{(111111 + 111 - 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 - 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 - 33 - 3) \times (3 + 3)}{3 \times 3}$

$$:= \frac{(444444 + 444 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 - 66 - 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 777 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 - 99 - 9) \times (9 + 9)}{9 \times 9}$$

► **421** := $\frac{(111 + 111 - 11) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 222 - 22) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 333 - 33) \times (3 + 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(444 + 444 - 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 555 - 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 666 - 66) \times (6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 777 - 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 888 - 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 999 - 99) \times (9 + 9) - 9 \times 9}{9 \times 9}$$

2421 := $\frac{(1111 + 111 - 11) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 222 - 22) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 333 - 33) \times (3 + 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(4444 + 444 - 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 + 555 - 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 + 666 - 66) \times (6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 777 - 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 888 - 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 999 - 99) \times (9 + 9) - 9 \times 9}{9 \times 9}$$

22421 := $\frac{(11111 + 111 - 11) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 222 - 22) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 333 - 33) \times (3 + 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(44444 + 444 - 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 555 - 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 666 - 66) \times (6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 777 - 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 888 - 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 999 - 99) \times (9 + 9) - 9 \times 9}{9 \times 9}$$

222421 := $\frac{(111111 + 111 - 11) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 + 222 - 22) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 + 333 - 33) \times (3 + 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(444444 + 444 - 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 + 555 - 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 + 666 - 66) \times (6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 777 - 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 + 888 - 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 + 999 - 99) \times (9 + 9) - 9 \times 9}{9 \times 9}$$

► **422** := $\frac{(111 + 111 - 11) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 - 22) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 - 33) \times (3 + 3)}{3 \times 3}$

$$:= \frac{(444 + 444 - 44) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 - 55) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 - 66) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 777 - 77) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 - 88) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 - 99) \times (9 + 9)}{9 \times 9}$$

2422

$$\begin{aligned} &:= \frac{(1111 + 111 - 11) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 - 22) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 - 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 - 44) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 - 55) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 - 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 - 77) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 - 88) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 - 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

22422

$$\begin{aligned} &:= \frac{(11111 + 111 - 11) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 - 22) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 - 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 - 44) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 - 55) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 - 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 - 77) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 - 88) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 - 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

222422

$$\begin{aligned} &:= \frac{(111111 + 111 - 11) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 - 22) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 - 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 - 44) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 - 55) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 - 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 - 77) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 - 88) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 - 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

► 423

$$\begin{aligned} &:= \frac{(111 + 111 - 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 - 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 - 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444 - 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 - 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 - 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 - 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 - 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 - 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

2423

$$\begin{aligned} &:= \frac{(1111 + 111 - 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 - 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 - 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 444 - 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 - 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 - 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 777 - 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 - 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 - 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

22423

$$\begin{aligned} &:= \frac{(11111 + 111 - 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 - 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 - 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 444 - 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 - 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 - 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 777 - 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 - 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 - 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

222423

$$\begin{aligned} &:= \frac{(111111 + 111 - 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 - 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 - 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 444 - 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 - 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 - 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 - 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 - 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 - 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► **424** :=
$$\frac{(111 + 111 - 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 - 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 - 33 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444 + 444 - 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 - 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 - 66 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 777 - 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 - 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 - 99 + 9) \times (9 + 9)}{9 \times 9}$$

2424 :=
$$\frac{(1111 + 111 - 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 - 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 - 33 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(4444 + 444 - 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 - 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 - 66 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(7777 + 777 - 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 - 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 - 99 + 9) \times (9 + 9)}{9 \times 9}$$

22424 :=
$$\frac{(11111 + 111 - 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 - 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 - 33 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(44444 + 444 - 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 - 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 - 66 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 777 - 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 - 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 - 99 + 9) \times (9 + 9)}{9 \times 9}$$

222424 :=
$$\frac{(111111 + 111 - 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 - 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 - 33 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444444 + 444 - 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 - 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 - 66 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 777 - 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 - 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 - 99 + 9) \times (9 + 9)}{9 \times 9}$$

► **425** :=
$$\frac{(111 + 111 - 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 - 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 - 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(444 + 444 - 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 - 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 - 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 777 - 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 - 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 - 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

2425 :=
$$\frac{(1111 + 111 - 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 - 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 - 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(4444 + 444 - 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 - 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 - 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 777 - 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 - 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 - 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

22425 :=
$$\frac{(11111 + 111 - 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 - 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 - 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(44444 + 444 - 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 - 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 - 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$

$$:= \frac{(77777 + 777 - 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 - 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 - 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

222425

$$:= \frac{(111111 + 111 - 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 - 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 - 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(444444 + 444 - 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 - 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 - 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 777 - 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 - 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 - 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

► 426

$$:= \frac{(111 + 111 - 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 - 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 - 33 + 3 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444 + 444 - 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 - 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 - 66 + 6 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 777 - 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 - 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 - 99 + 9 + 9) \times (9 + 9)}{9 \times 9}$$

2426

$$:= \frac{(1111 + 111 - 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 - 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 - 33 + 3 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(4444 + 444 - 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 - 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 - 66 + 6 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(7777 + 777 - 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 - 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 - 99 + 9 + 9) \times (9 + 9)}{9 \times 9}$$

222426

$$:= \frac{(11111 + 111 - 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 - 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 - 33 + 3 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(44444 + 444 - 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 - 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 - 66 + 6 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 777 - 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 - 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 - 99 + 9 + 9) \times (9 + 9)}{9 \times 9}$$

222426

$$:= \frac{(111111 + 111 - 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 - 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 - 33 + 3 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444444 + 444 - 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 - 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 - 66 + 6 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 777 - 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 - 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 - 99 + 9 + 9) \times (9 + 9)}{9 \times 9}$$

► 427

$$:= \frac{(111 + 111 - 11 + 1 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 - 22 + 2 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 - 33 + 3 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(444 + 444 - 44 + 4 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 - 55 + 5 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 - 66 + 6 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 777 - 77 + 7 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 - 88 + 8 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 - 99 + 9 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

2427

$$\begin{aligned} &:= \frac{(1111+111-11+1+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(2222+222-22+2+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(3333+333-33+3+3) \times (3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+444-44+4+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(5555+555-55+5+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(6666+666-66+6+6) \times (6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+777-77+7+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(8888+888-88+8+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(9999+999-99+9+9) \times (9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

22427

$$\begin{aligned} &:= \frac{(11111+111-11+1+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(22222+222-22+2+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(33333+333-33+3+3) \times (3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+444-44+4+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(55555+555-55+5+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(66666+666-66+6+6) \times (6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+777-77+7+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(88888+888-88+8+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(99999+999-99+9+9) \times (9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

222427

$$\begin{aligned} &:= \frac{(111111+111-11+1+1) \times (1+1) + 1 \times 1}{1 \times 1} = \frac{(222222+222-22+2+2) \times (2+2) + 2 \times 2}{2 \times 2} = \frac{(333333+333-33+3+3) \times (3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444+444-44+4+4) \times (4+4) + 4 \times 4}{4 \times 4} = \frac{(555555+555-55+5+5) \times (5+5) + 5 \times 5}{5 \times 5} = \frac{(666666+666-66+6+6) \times (6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777+777-77+7+7) \times (7+7) + 7 \times 7}{7 \times 7} = \frac{(888888+888-88+8+8) \times (8+8) + 8 \times 8}{8 \times 8} = \frac{(999999+999-99+9+9) \times (9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► 428

$$\begin{aligned} &:= \frac{(111+111-11+1+1+1) \times (1+1)}{1 \times 1} = \frac{(222+222-22+2+2+2) \times (2+2)}{2 \times 2} = \frac{(333+333-33+3+3+3) \times (3+3)}{3 \times 3} \\ &:= \frac{(444+444-44+4+4+4) \times (4+4)}{4 \times 4} = \frac{(555+555-55+5+5+5) \times (5+5)}{5 \times 5} = \frac{(666+666-66+6+6+6) \times (6+6)}{6 \times 6} \\ &:= \frac{(777+777-77+7+7+7) \times (7+7)}{7 \times 7} = \frac{(888+888-88+8+8+8) \times (8+8)}{8 \times 8} = \frac{(999+999-99+9+9+9) \times (9+9)}{9 \times 9} \end{aligned}$$

2428

$$\begin{aligned} &:= \frac{(1111+111-11+1+1+1) \times (1+1)}{1 \times 1} = \frac{(2222+222-22+2+2+2) \times (2+2)}{2 \times 2} = \frac{(3333+333-33+3+3+3) \times (3+3)}{3 \times 3} \\ &:= \frac{(4444+444-44+4+4+4) \times (4+4)}{4 \times 4} = \frac{(5555+555-55+5+5+5) \times (5+5)}{5 \times 5} = \frac{(6666+666-66+6+6+6) \times (6+6)}{6 \times 6} \\ &:= \frac{(7777+777-77+7+7+7) \times (7+7)}{7 \times 7} = \frac{(8888+888-88+8+8+8) \times (8+8)}{8 \times 8} = \frac{(9999+999-99+9+9+9) \times (9+9)}{9 \times 9} \end{aligned}$$

22428

$$\begin{aligned} &:= \frac{(11111+111-11+1+1+1) \times (1+1)}{1 \times 1} = \frac{(22222+222-22+2+2+2) \times (2+2)}{2 \times 2} = \frac{(33333+333-33+3+3+3) \times (3+3)}{3 \times 3} \\ &:= \frac{(44444+444-44+4+4+4) \times (4+4)}{4 \times 4} = \frac{(55555+555-55+5+5+5) \times (5+5)}{5 \times 5} = \frac{(66666+666-66+6+6+6) \times (6+6)}{6 \times 6} \\ &:= \frac{(77777+777-77+7+7+7) \times (7+7)}{7 \times 7} = \frac{(88888+888-88+8+8+8) \times (8+8)}{8 \times 8} = \frac{(99999+999-99+9+9+9) \times (9+9)}{9 \times 9} \end{aligned}$$

222428

$$\begin{aligned} &:= \frac{(111111+111-11+1+1+1) \times (1+1)}{1 \times 1} = \frac{(222222+222-22+2+2+2) \times (2+2)}{2 \times 2} = \frac{(333333+333-33+3+3+3) \times (3+3)}{3 \times 3} \\ &:= \frac{(444444+444-44+4+4+4) \times (4+4)}{4 \times 4} = \frac{(555555+555-55+5+5+5) \times (5+5)}{5 \times 5} = \frac{(666666+666-66+6+6+6) \times (6+6)}{6 \times 6} \\ &:= \frac{(777777+777-77+7+7+7) \times (7+7)}{7 \times 7} = \frac{(888888+888-88+8+8+8) \times (8+8)}{8 \times 8} = \frac{(999999+999-99+9+9+9) \times (9+9)}{9 \times 9} \end{aligned}$$

►

429

$$\begin{aligned} &:= \frac{(11+1+1) \times (11+11+11)}{1 \times 1} = \frac{(22+2+2) \times (22+22+22)}{2 \times 2} = \frac{(33+3+3) \times (33+33+33)}{3 \times 3} \\ &:= \frac{(44+4+4) \times (44+44+44)}{4 \times 4} = \frac{(55+5+5) \times (55+55+55)}{5 \times 5} = \frac{(66+6+6) \times (66+66+66)}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77+77+77)}{7 \times 7} = \frac{(88+8+8) \times (88+88+88)}{8 \times 8} = \frac{(99+9+9) \times (99+99+99)}{9 \times 9} \end{aligned}$$

4329

$$\begin{aligned} &:= \frac{(11+1+1) \times (111+111+111)}{1 \times 1} = \frac{(22+2+2) \times (222+222+222)}{2 \times 2} = \frac{(33+3+3) \times (333+333+333)}{3 \times 3} \\ &:= \frac{(44+4+4) \times (444+444+444)}{4 \times 4} = \frac{(55+5+5) \times (555+555+555)}{5 \times 5} = \frac{(66+6+6) \times (666+666+666)}{6 \times 6} \\ &:= \frac{(77+7+7) \times (777+777+777)}{7 \times 7} = \frac{(88+8+8) \times (888+888+888)}{8 \times 8} = \frac{(99+9+9) \times (999+999+999)}{9 \times 9} \end{aligned}$$

43329

$$\begin{aligned} &:= \frac{(11+1+1) \times (1111+1111+1111)}{1 \times 1} = \frac{(22+2+2) \times (2222+2222+2222)}{2 \times 2} = \frac{(33+3+3) \times (3333+3333+3333)}{3 \times 3} \\ &:= \frac{(44+4+4) \times (4444+4444+4444)}{4 \times 4} = \frac{(55+5+5) \times (5555+5555+5555)}{5 \times 5} = \frac{(66+6+6) \times (6666+6666+6666)}{6 \times 6} \\ &:= \frac{(77+7+7) \times (7777+7777+7777)}{7 \times 7} = \frac{(88+8+8) \times (8888+8888+8888)}{8 \times 8} = \frac{(99+9+9) \times (9999+9999+9999)}{9 \times 9} \end{aligned}$$

433329

$$\begin{aligned} &:= \frac{(11+1+1) \times (11111+11111+11111)}{1 \times 1} = \frac{(22+2+2) \times (22222+22222+22222)}{2 \times 2} = \frac{(33+3+3) \times (33333+33333+33333)}{3 \times 3} \\ &:= \frac{(44+4+4) \times (44444+44444+44444)}{4 \times 4} = \frac{(55+5+5) \times (55555+55555+55555)}{5 \times 5} = \frac{(66+6+6) \times (66666+66666+66666)}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77777+77777+77777)}{7 \times 7} = \frac{(88+8+8) \times (88888+88888+88888)}{8 \times 8} = \frac{(99+9+9) \times (99999+99999+99999)}{9 \times 9} \end{aligned}$$

►

430

$$\begin{aligned} &:= \frac{(11+1+1) \times (11+11+11) + 1 \times 1}{1 \times 1} = \frac{(22+2+2) \times (22+22+22) + 2 \times 2}{2 \times 2} = \frac{(33+3+3) \times (33+33+33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4) \times (44+44+44) + 4 \times 4}{4 \times 4} = \frac{(55+5+5) \times (55+55+55) + 5 \times 5}{5 \times 5} = \frac{(66+6+6) \times (66+66+66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77+77+77) + 7 \times 7}{7 \times 7} = \frac{(88+8+8) \times (88+88+88) + 8 \times 8}{8 \times 8} = \frac{(99+9+9) \times (99+99+99) + 9 \times 9}{9 \times 9} \end{aligned}$$

4330

$$\begin{aligned} &:= \frac{(11+1+1) \times (111+111+111) + 1 \times 1}{1 \times 1} = \frac{(22+2+2) \times (222+222+222) + 2 \times 2}{2 \times 2} = \frac{(33+3+3) \times (333+333+333) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4) \times (444+444+444) + 4 \times 4}{4 \times 4} = \frac{(55+5+5) \times (555+555+555) + 5 \times 5}{5 \times 5} = \frac{(66+6+6) \times (666+666+666) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7) \times (777+777+777) + 7 \times 7}{7 \times 7} = \frac{(88+8+8) \times (888+888+888) + 8 \times 8}{8 \times 8} = \frac{(99+9+9) \times (999+999+999) + 9 \times 9}{9 \times 9} \end{aligned}$$

43330

$$\begin{aligned} &:= \frac{(11+1+1) \times (1111+1111+1111) + 1 \times 1}{1 \times 1} = \frac{(22+2+2) \times (2222+2222+2222) + 2 \times 2}{2 \times 2} = \frac{(33+3+3) \times (3333+3333+3333) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4) \times (4444+4444+4444) + 4 \times 4}{4 \times 4} = \frac{(55+5+5) \times (5555+5555+5555) + 5 \times 5}{5 \times 5} = \frac{(66+6+6) \times (6666+6666+6666) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(77+7+7) \times (7777+7777+7777)+7 \times 7}{7 \times 7} = \frac{(88+8+8) \times (8888+8888+8888)+8 \times 8}{8 \times 8} = \frac{(99+9+9) \times (9999+9999+9999)+9 \times 9}{9 \times 9} \\ \textcolor{red}{433330} &:= \frac{(11+1+1) \times (11111+11111+11111)+1 \times 1}{1 \times 1} = \frac{(22+2+2) \times (22222+22222+22222)+2 \times 2}{2 \times 2} = \frac{(33+3+3) \times (33333+33333+33333)+3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4) \times (44444+44444+44444)+4 \times 4}{4 \times 4} = \frac{(55+5+5) \times (55555+55555+55555)+5 \times 5}{5 \times 5} = \frac{(66+6+6) \times (66666+66666+66666)+6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7) \times (77777+77777+77777)+7 \times 7}{7 \times 7} = \frac{(88+8+8) \times (88888+88888+88888)+8 \times 8}{8 \times 8} = \frac{(99+9+9) \times (99999+99999+99999)+9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{431} &:= \frac{111+111+111+111-11-1-1}{1} = \frac{222+222+222+222-22-2-2}{2} = \frac{333+333+333+333-33-3-3}{3} \\ &:= \frac{444+444+444+444-44-4-4}{4} = \frac{555+555+555+555-55-5-5}{5} = \frac{666+666+666+666-66-6-6}{6} \\ &:= \frac{777+777+777+777-77-7-7}{7} = \frac{888+888+888+888-88-8-8}{8} = \frac{999+999+999+999-99-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1431} &:= \frac{1111+111+111+111-11-1-1}{1} = \frac{2222+222+222+222-22-2-2}{2} = \frac{3333+333+333+333-33-3-3}{3} \\ &:= \frac{4444+444+444+444-44-4-4}{4} = \frac{5555+555+555+555-55-5-5}{5} = \frac{6666+666+666+666-66-6-6}{6} \\ &:= \frac{7777+777+777+777-77-7-7}{7} = \frac{8888+888+888+888-88-8-8}{8} = \frac{9999+999+999+999-99-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{11431} &:= \frac{11111+111+111+111-11-1-1}{1} = \frac{22222+222+222+222-22-2-2}{2} = \frac{33333+333+333+333-33-3-3}{3} \\ &:= \frac{44444+444+444+444-44-4-4}{4} = \frac{55555+555+555+555-55-5-5}{5} = \frac{66666+666+666+666-66-6-6}{6} \\ &:= \frac{77777+777+777+777-77-7-7}{7} = \frac{88888+888+888+888-88-8-8}{8} = \frac{99999+999+999+999-99-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{111431} &:= \frac{111111+111+111+111-11-1-1}{1} = \frac{222222+222+222+222-22-2-2}{2} = \frac{333333+333+333+333-33-3-3}{3} \\ &:= \frac{444444+444+444+444-44-4-4}{4} = \frac{555555+555+555+555-55-5-5}{5} = \frac{666666+666+666+666-66-6-6}{6} \\ &:= \frac{777777+777+777+777-77-7-7}{7} = \frac{888888+888+888+888-88-8-8}{8} = \frac{999999+999+999+999-99-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{432} &:= \frac{111+111+111+111-11-1}{1} = \frac{222+222+222+222-22-2}{2} = \frac{333+333+333+333-33-3}{3} \\ &:= \frac{444+444+444+444-44-4}{4} = \frac{555+555+555+555-55-5}{5} = \frac{666+666+666+666-66-6}{6} \\ &:= \frac{777+777+777+777-77-7}{7} = \frac{888+888+888+888-88-8}{8} = \frac{999+999+999+999-99-9}{9} \end{aligned}$$

$$\textcolor{red}{1432} := \frac{1111+111+111+111-11-1}{1} = \frac{2222+222+222+222-22-2}{2} = \frac{3333+333+333+333-33-3}{3}$$

$$\begin{aligned} &:= \frac{4444 + 444 + 444 + 444 - 44 - 4}{4} = \frac{5555 + 555 + 555 + 555 - 55 - 5}{5} = \frac{6666 + 666 + 666 + 666 - 66 - 6}{6} \\ &:= \frac{7777 + 777 + 777 + 777 - 77 - 7}{7} = \frac{8888 + 888 + 888 + 888 - 88 - 8}{8} = \frac{9999 + 999 + 999 + 999 - 99 - 9}{9} \end{aligned}$$

11432

$$\begin{aligned} &:= \frac{11111 + 111 + 111 + 111 - 11 - 1}{1} = \frac{22222 + 222 + 222 + 222 - 22 - 2}{2} = \frac{33333 + 333 + 333 + 333 - 33 - 3}{3} \\ &:= \frac{44444 + 444 + 444 + 444 - 44 - 4}{4} = \frac{55555 + 555 + 555 + 555 - 55 - 5}{5} = \frac{66666 + 666 + 666 + 666 - 66 - 6}{6} \\ &:= \frac{77777 + 777 + 777 + 777 - 77 - 7}{7} = \frac{88888 + 888 + 888 + 888 - 88 - 8}{8} = \frac{99999 + 999 + 999 + 999 - 99 - 9}{9} \end{aligned}$$

111432

$$\begin{aligned} &:= \frac{111111 + 111 + 111 + 111 - 11 - 1}{1} = \frac{222222 + 222 + 222 + 222 - 22 - 2}{2} = \frac{333333 + 333 + 333 + 333 - 33 - 3}{3} \\ &:= \frac{444444 + 444 + 444 + 444 - 44 - 4}{4} = \frac{555555 + 555 + 555 + 555 - 55 - 5}{5} = \frac{666666 + 666 + 666 + 666 - 66 - 6}{6} \\ &:= \frac{777777 + 777 + 777 + 777 - 77 - 7}{7} = \frac{888888 + 888 + 888 + 888 - 88 - 8}{8} = \frac{999999 + 999 + 999 + 999 - 99 - 9}{9} \end{aligned}$$

► 433

$$\begin{aligned} &:= \frac{111 + 111 + 111 + 111 - 11}{1} = \frac{222 + 222 + 222 + 222 - 22}{2} = \frac{333 + 333 + 333 + 333 - 33}{3} \\ &:= \frac{444 + 444 + 444 + 444 - 44}{4} = \frac{555 + 555 + 555 + 555 - 55}{5} = \frac{666 + 666 + 666 + 666 - 66}{6} \\ &:= \frac{777 + 777 + 777 + 777 - 77}{7} = \frac{888 + 888 + 888 + 888 - 88}{8} = \frac{999 + 999 + 999 + 999 - 99}{9} \end{aligned}$$

1433

$$\begin{aligned} &:= \frac{1111 + 111 + 111 + 111 - 11}{1} = \frac{2222 + 222 + 222 + 222 - 22}{2} = \frac{3333 + 333 + 333 + 333 - 33}{3} \\ &:= \frac{4444 + 444 + 444 + 444 - 44}{4} = \frac{5555 + 555 + 555 + 555 - 55}{5} = \frac{6666 + 666 + 666 + 666 - 66}{6} \\ &:= \frac{7777 + 777 + 777 + 777 - 77}{7} = \frac{8888 + 888 + 888 + 888 - 88}{8} = \frac{9999 + 999 + 999 + 999 - 99}{9} \end{aligned}$$

11433

$$\begin{aligned} &:= \frac{11111 + 111 + 111 + 111 - 11}{1} = \frac{22222 + 222 + 222 + 222 - 22}{2} = \frac{33333 + 333 + 333 + 333 - 33}{3} \\ &:= \frac{44444 + 444 + 444 + 444 - 44}{4} = \frac{55555 + 555 + 555 + 555 - 55}{5} = \frac{66666 + 666 + 666 + 666 - 66}{6} \\ &:= \frac{77777 + 777 + 777 + 777 - 77}{7} = \frac{88888 + 888 + 888 + 888 - 88}{8} = \frac{99999 + 999 + 999 + 999 - 99}{9} \end{aligned}$$

111433

$$\begin{aligned} &:= \frac{111111 + 111 + 111 + 111 - 11}{1} = \frac{222222 + 222 + 222 + 222 - 22}{2} = \frac{333333 + 333 + 333 + 333 - 33}{3} \\ &:= \frac{444444 + 444 + 444 + 444 - 44}{4} = \frac{555555 + 555 + 555 + 555 - 55}{5} = \frac{666666 + 666 + 666 + 666 - 66}{6} \\ &:= \frac{777777 + 777 + 777 + 777 - 77}{7} = \frac{888888 + 888 + 888 + 888 - 88}{8} = \frac{999999 + 999 + 999 + 999 - 99}{9} \end{aligned}$$

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434

$$\begin{aligned} &:= \frac{111 + 111 + 111 + 111 - 11 + 1}{1} = \frac{222 + 222 + 222 + 222 - 22 + 2}{2} = \frac{333 + 333 + 333 + 333 - 33 + 3}{3} \\ &:= \frac{444 + 444 + 444 + 444 - 44 + 4}{4} = \frac{555 + 555 + 555 + 555 - 55 + 5}{5} = \frac{666 + 666 + 666 + 666 - 66 + 6}{6} \\ &:= \frac{777 + 777 + 777 + 777 - 77 + 7}{7} = \frac{888 + 888 + 888 + 888 - 88 + 8}{8} = \frac{999 + 999 + 999 + 999 - 99 + 9}{9} \end{aligned}$$

1434

$$\begin{aligned} &:= \frac{1111 + 111 + 111 + 111 - 11 + 1}{1} = \frac{2222 + 222 + 222 + 222 - 22 + 2}{2} = \frac{3333 + 333 + 333 + 333 - 33 + 3}{3} \\ &:= \frac{4444 + 444 + 444 + 444 - 44 + 4}{4} = \frac{5555 + 555 + 555 + 555 - 55 + 5}{5} = \frac{6666 + 666 + 666 + 666 - 66 + 6}{6} \\ &:= \frac{7777 + 777 + 777 + 777 - 77 + 7}{7} = \frac{8888 + 888 + 888 + 888 - 88 + 8}{8} = \frac{9999 + 999 + 999 + 999 - 99 + 9}{9} \end{aligned}$$

11434

$$\begin{aligned} &:= \frac{11111 + 111 + 111 + 111 - 11 + 1}{1} = \frac{22222 + 222 + 222 + 222 - 22 + 2}{2} = \frac{33333 + 333 + 333 + 333 - 33 + 3}{3} \\ &:= \frac{44444 + 444 + 444 + 444 - 44 + 4}{4} = \frac{55555 + 555 + 555 + 555 - 55 + 5}{5} = \frac{66666 + 666 + 666 + 666 - 66 + 6}{6} \\ &:= \frac{77777 + 777 + 777 + 777 - 77 + 7}{7} = \frac{88888 + 888 + 888 + 888 - 88 + 8}{8} = \frac{99999 + 999 + 999 + 999 - 99 + 9}{9} \end{aligned}$$

111434

$$\begin{aligned} &:= \frac{111111 + 111 + 111 + 111 - 11 + 1}{1} = \frac{222222 + 222 + 222 + 222 - 22 + 2}{2} = \frac{333333 + 333 + 333 + 333 - 33 + 3}{3} \\ &:= \frac{444444 + 444 + 444 + 444 - 44 + 4}{4} = \frac{555555 + 555 + 555 + 555 - 55 + 5}{5} = \frac{666666 + 666 + 666 + 666 - 66 + 6}{6} \\ &:= \frac{777777 + 777 + 777 + 777 - 77 + 7}{7} = \frac{888888 + 888 + 888 + 888 - 88 + 8}{8} = \frac{999999 + 999 + 999 + 999 - 99 + 9}{9} \end{aligned}$$

►

435

$$\begin{aligned} &:= \frac{(111 - 1 - 1) \times (1 + 1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 - 2 - 2) \times (2 + 2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 - 3 - 3) \times (3 + 3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 4 - 4) \times (4 + 4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 - 5 - 5) \times (5 + 5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 - 6 - 6) \times (6 + 6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 7 - 7) \times (7 + 7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 - 8 - 8) \times (8 + 8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 - 9 - 9) \times (9 + 9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

4435

$$\begin{aligned} &:= \frac{(1111 - 1 - 1) \times (1 + 1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 - 2 - 2) \times (2 + 2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 - 3 - 3) \times (3 + 3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 4 - 4) \times (4 + 4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 - 5 - 5) \times (5 + 5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 - 6 - 6) \times (6 + 6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 7 - 7) \times (7 + 7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 - 8 - 8) \times (8 + 8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 - 9 - 9) \times (9 + 9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

44435

$$\begin{aligned} &:= \frac{(11111 - 1 - 1) \times (1 + 1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 - 2 - 2) \times (2 + 2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 - 3 - 3) \times (3 + 3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 4 - 4) \times (4 + 4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 - 5 - 5) \times (5 + 5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 - 6 - 6) \times (6 + 6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7 - 7) \times (7 + 7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 - 8 - 8) \times (8 + 8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 - 9 - 9) \times (9 + 9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{444435} &:= \frac{(111111 - 1 - 1) \times (1 + 1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 - 2 - 2) \times (2 + 2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 - 3 - 3) \times (3 + 3 + 3 + 3) - 3 \times 3}{3 \times 3} \\
 &:= \frac{(444444 - 4 - 4) \times (4 + 4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 5 - 5) \times (5 + 5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 6 - 6) \times (6 + 6 + 6 + 6) - 6 \times 6}{6 \times 6} \\
 &:= \frac{(777777 - 7 - 7) \times (7 + 7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 8 - 8) \times (8 + 8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 9 - 9) \times (9 + 9 + 9 + 9) - 9 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{436} &:= \frac{(111 - 1 - 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(222 - 2 - 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(333 - 3 - 3) \times (3 + 3 + 3 + 3)}{3 \times 3} \\
 &:= \frac{(444 - 4 - 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(555 - 5 - 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(666 - 6 - 6) \times (6 + 6 + 6 + 6)}{6 \times 6} \\
 &:= \frac{(777 - 7 - 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(888 - 8 - 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(999 - 9 - 9) \times (9 + 9 + 9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{4436} &:= \frac{(1111 - 1 - 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(2222 - 2 - 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(3333 - 3 - 3) \times (3 + 3 + 3 + 3)}{3 \times 3} \\
 &:= \frac{(4444 - 4 - 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(5555 - 5 - 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(6666 - 6 - 6) \times (6 + 6 + 6 + 6)}{6 \times 6} \\
 &:= \frac{(7777 - 7 - 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(8888 - 8 - 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(9999 - 9 - 9) \times (9 + 9 + 9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{44436} &:= \frac{(11111 - 1 - 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(22222 - 2 - 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(33333 - 3 - 3) \times (3 + 3 + 3 + 3)}{3 \times 3} \\
 &:= \frac{(44444 - 4 - 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(55555 - 5 - 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(66666 - 6 - 6) \times (6 + 6 + 6 + 6)}{6 \times 6} \\
 &:= \frac{(77777 - 7 - 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(88888 - 8 - 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(99999 - 9 - 9) \times (9 + 9 + 9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{444436} &:= \frac{(111111 - 1 - 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(222222 - 2 - 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(333333 - 3 - 3) \times (3 + 3 + 3 + 3)}{3 \times 3} \\
 &:= \frac{(444444 - 4 - 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(555555 - 5 - 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(666666 - 6 - 6) \times (6 + 6 + 6 + 6)}{6 \times 6} \\
 &:= \frac{(777777 - 7 - 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(888888 - 8 - 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(999999 - 9 - 9) \times (9 + 9 + 9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{437} &:= \frac{1111 - 11 - 1 - 1}{1 + 1} - \frac{111 + 1}{1} = \frac{2222 - 22 - 2 - 2}{2 + 2} - \frac{222 + 2}{2} = \frac{3333 - 33 - 3 - 3}{3 + 3} - \frac{333 + 3}{3} \\
 &:= \frac{4444 - 44 - 4 - 4}{4 + 4} - \frac{444 + 4}{4} = \frac{5555 - 55 - 5 - 5}{5 + 5} - \frac{555 + 5}{5} = \frac{6666 - 66 - 6 - 6}{6 + 6} - \frac{666 + 6}{6} \\
 &:= \frac{7777 - 77 - 7 - 7}{7 + 7} - \frac{777 + 7}{7} = \frac{8888 - 88 - 8 - 8}{8 + 8} - \frac{888 + 8}{8} = \frac{9999 - 99 - 9 - 9}{9 + 9} - \frac{999 + 9}{9}
 \end{aligned}$$

$$\textcolor{red}{5437} := \frac{11111 - 11 - 1 - 1}{1 + 1} - \frac{111 + 1}{1} = \frac{22222 - 22 - 2 - 2}{2 + 2} - \frac{222 + 2}{2} = \frac{33333 - 33 - 3 - 3}{3 + 3} - \frac{333 + 3}{3}$$

$$\begin{aligned} &:= \frac{44444-44-4-4}{4+4} - \frac{444+4}{4} = \frac{55555-55-5-5}{5+5} - \frac{555+5}{5} = \frac{66666-66-6-6}{6+6} - \frac{666+6}{6} \\ &:= \frac{77777-77-7-7}{7+7} - \frac{777+7}{7} = \frac{88888-88-8-8}{8+8} - \frac{888+8}{8} = \frac{99999-99-9-9}{9+9} - \frac{999+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55437} &:= \frac{111111-11-1-1}{1+1} - \frac{111+1}{1} = \frac{222222-22-2-2}{2+2} - \frac{222+2}{2} = \frac{333333-33-3-3}{3+3} - \frac{333+3}{3} \\ &:= \frac{444444-44-4-4}{4+4} - \frac{444+4}{4} = \frac{555555-55-5-5}{5+5} - \frac{555+5}{5} = \frac{666666-66-6-6}{6+6} - \frac{666+6}{6} \\ &:= \frac{777777-77-7-7}{7+7} - \frac{777+7}{7} = \frac{888888-88-8-8}{8+8} - \frac{888+8}{8} = \frac{999999-99-9-9}{9+9} - \frac{999+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555437} &:= \frac{1111111-11-1-1}{1+1} - \frac{111+1}{1} = \frac{2222222-22-2-2}{2+2} - \frac{222+2}{2} = \frac{3333333-33-3-3}{3+3} - \frac{333+3}{3} \\ &:= \frac{4444444-44-4-4}{4+4} - \frac{444+4}{4} = \frac{5555555-55-5-5}{5+5} - \frac{555+5}{5} = \frac{6666666-66-6-6}{6+6} - \frac{666+6}{6} \\ &:= \frac{7777777-77-7-7}{7+7} - \frac{777+7}{7} = \frac{8888888-88-8-8}{8+8} - \frac{888+8}{8} = \frac{9999999-99-9-9}{9+9} - \frac{999+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{438} &:= \frac{1111-11-1-1}{1+1} - \frac{111}{1} = \frac{2222-22-2-2}{2+2} - \frac{222}{2} = \frac{3333-33-3-3}{3+3} - \frac{333}{3} \\ &:= \frac{4444-44-4-4}{4+4} - \frac{444}{4} = \frac{5555-55-5-5}{5+5} - \frac{555}{5} = \frac{6666-66-6-6}{6+6} - \frac{666}{6} \\ &:= \frac{7777-77-7-7}{7+7} - \frac{777}{7} = \frac{8888-88-8-8}{8+8} - \frac{888}{8} = \frac{9999-99-9-9}{9+9} - \frac{999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{4438} &:= \frac{11111-11-1-1}{1+1} - \frac{1111}{1} = \frac{22222-22-2-2}{2+2} - \frac{2222}{2} = \frac{33333-33-3-3}{3+3} - \frac{3333}{3} \\ &:= \frac{44444-44-4-4}{4+4} - \frac{4444}{4} = \frac{55555-55-5-5}{5+5} - \frac{5555}{5} = \frac{66666-66-6-6}{6+6} - \frac{6666}{6} \\ &:= \frac{77777-77-7-7}{7+7} - \frac{7777}{7} = \frac{88888-88-8-8}{8+8} - \frac{8888}{8} = \frac{99999-99-9-9}{9+9} - \frac{9999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44438} &:= \frac{111111-11-1-1}{1+1} - \frac{11111}{1} = \frac{222222-22-2-2}{2+2} - \frac{22222}{2} = \frac{333333-33-3-3}{3+3} - \frac{33333}{3} \\ &:= \frac{444444-44-4-4}{4+4} - \frac{44444}{4} = \frac{555555-55-5-5}{5+5} - \frac{55555}{5} = \frac{666666-66-6-6}{6+6} - \frac{66666}{6} \\ &:= \frac{777777-77-7-7}{7+7} - \frac{77777}{7} = \frac{888888-88-8-8}{8+8} - \frac{88888}{8} = \frac{999999-99-9-9}{9+9} - \frac{99999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{444438} &:= \frac{1111111-11-1-1}{1+1} - \frac{111111}{1} = \frac{2222222-22-2-2}{2+2} - \frac{222222}{2} = \frac{3333333-33-3-3}{3+3} - \frac{333333}{3} \\ &:= \frac{4444444-44-4-4}{4+4} - \frac{444444}{4} = \frac{5555555-55-5-5}{5+5} - \frac{555555}{5} = \frac{6666666-66-6-6}{6+6} - \frac{666666}{6} \\ &:= \frac{7777777-77-7-7}{7+7} - \frac{777777}{7} = \frac{8888888-88-8-8}{8+8} - \frac{888888}{8} = \frac{9999999-99-9-9}{9+9} - \frac{999999}{9} \end{aligned}$$

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439

$$\begin{aligned} &:= \frac{1111-11-1-1}{1+1} - \frac{111-1}{1} = \frac{2222-22-2-2}{2+2} - \frac{222-2}{2} = \frac{3333-33-3-3}{3+3} - \frac{333-3}{3} \\ &:= \frac{4444-44-4-4}{4+4} - \frac{444-4}{4} = \frac{5555-55-5-5}{5+5} - \frac{555-5}{5} = \frac{6666-66-6-6}{6+6} - \frac{666-6}{6} \\ &:= \frac{7777-77-7-7}{7+7} - \frac{777-7}{7} = \frac{8888-88-8-8}{8+8} - \frac{888-8}{8} = \frac{9999-99-9-9}{9+9} - \frac{999-9}{9} \end{aligned}$$

5439

$$\begin{aligned} &:= \frac{11111-11-1-1}{1+1} - \frac{111-1}{1} = \frac{22222-22-2-2}{2+2} - \frac{222-2}{2} = \frac{33333-33-3-3}{3+3} - \frac{333-3}{3} \\ &:= \frac{44444-44-4-4}{4+4} - \frac{444-4}{4} = \frac{55555-55-5-5}{5+5} - \frac{555-5}{5} = \frac{66666-66-6-6}{6+6} - \frac{666-6}{6} \\ &:= \frac{77777-77-7-7}{7+7} - \frac{777-7}{7} = \frac{88888-88-8-8}{8+8} - \frac{888-8}{8} = \frac{99999-99-9-9}{9+9} - \frac{999-9}{9} \end{aligned}$$

55439

$$\begin{aligned} &:= \frac{111111-11-1-1}{1+1} - \frac{111-1}{1} = \frac{222222-22-2-2}{2+2} - \frac{222-2}{2} = \frac{333333-33-3-3}{3+3} - \frac{333-3}{3} \\ &:= \frac{444444-44-4-4}{4+4} - \frac{444-4}{4} = \frac{555555-55-5-5}{5+5} - \frac{555-5}{5} = \frac{666666-66-6-6}{6+6} - \frac{666-6}{6} \\ &:= \frac{777777-77-7-7}{7+7} - \frac{777-7}{7} = \frac{888888-88-8-8}{8+8} - \frac{888-8}{8} = \frac{999999-99-9-9}{9+9} - \frac{999-9}{9} \end{aligned}$$

555439

$$\begin{aligned} &:= \frac{1111111-11-1-1}{1+1} - \frac{111-1}{1} = \frac{2222222-22-2-2}{2+2} - \frac{222-2}{2} = \frac{3333333-33-3-3}{3+3} - \frac{333-3}{3} \\ &:= \frac{4444444-44-4-4}{4+4} - \frac{444-4}{4} = \frac{5555555-55-5-5}{5+5} - \frac{555-5}{5} = \frac{6666666-66-6-6}{6+6} - \frac{666-6}{6} \\ &:= \frac{7777777-77-7-7}{7+7} - \frac{777-7}{7} = \frac{8888888-88-8-8}{8+8} - \frac{888-8}{8} = \frac{9999999-99-9-9}{9+9} - \frac{999-9}{9} \end{aligned}$$

►

440

$$\begin{aligned} &:= \frac{(1+1+1+1) \times (111-1)}{1 \times 1} = \frac{(2+2+2+2) \times (222-2)}{2 \times 2} = \frac{(3+3+3+3) \times (333-3)}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times (444-4)}{4 \times 4} = \frac{(5+5+5+5) \times (555-5)}{5 \times 5} = \frac{(6+6+6+6) \times (666-6)}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times (777-7)}{7 \times 7} = \frac{(8+8+8+8) \times (888-8)}{8 \times 8} = \frac{(9+9+9+9) \times (999-9)}{9 \times 9} \end{aligned}$$

4440

$$\begin{aligned} &:= \frac{(1+1+1+1) \times (1111-1)}{1 \times 1} = \frac{(2+2+2+2) \times (2222-2)}{2 \times 2} = \frac{(3+3+3+3) \times (3333-3)}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times (4444-4)}{4 \times 4} = \frac{(5+5+5+5) \times (5555-5)}{5 \times 5} = \frac{(6+6+6+6) \times (6666-6)}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times (7777-7)}{7 \times 7} = \frac{(8+8+8+8) \times (8888-8)}{8 \times 8} = \frac{(9+9+9+9) \times (9999-9)}{9 \times 9} \end{aligned}$$

44440

$$\begin{aligned} &:= \frac{(1+1+1+1) \times (11111-1)}{1 \times 1} = \frac{(2+2+2+2) \times (22222-2)}{2 \times 2} = \frac{(3+3+3+3) \times (33333-3)}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times (44444-4)}{4 \times 4} = \frac{(5+5+5+5) \times (55555-5)}{5 \times 5} = \frac{(6+6+6+6) \times (66666-6)}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times (77777-7)}{7 \times 7} = \frac{(8+8+8+8) \times (88888-8)}{8 \times 8} = \frac{(9+9+9+9) \times (99999-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{444440} &:= \frac{(1+1+1+1) \times (111111-1)}{1 \times 1} = \frac{(2+2+2+2) \times (222222-2)}{2 \times 2} = \frac{(3+3+3+3) \times (333333-3)}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times (444444-4)}{4 \times 4} = \frac{(5+5+5+5) \times (555555-5)}{5 \times 5} = \frac{(6+6+6+6) \times (666666-6)}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times (777777-7)}{7 \times 7} = \frac{(8+8+8+8) \times (888888-8)}{8 \times 8} = \frac{(9+9+9+9) \times (999999-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{441} &:= \frac{(111+111-1) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(222+222-2) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(333+333-3) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+444-4) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(555+555-5) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(666+666-6) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777+777-7) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(888+888-8) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(999+999-9) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2441} &:= \frac{(1111+111-1) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(2222+222-2) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(3333+333-3) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+444-4) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(5555+555-5) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(6666+666-6) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+777-7) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(8888+888-8) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(9999+999-9) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22441} &:= \frac{(11111+111-1) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(22222+222-2) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(33333+333-3) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+444-4) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(55555+555-5) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(66666+666-6) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+777-7) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(88888+888-8) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(99999+999-9) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222441} &:= \frac{(111111+111-1) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(222222+222-2) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(333333+333-3) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444+444-4) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(555555+555-5) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(666666+666-6) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777+777-7) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(888888+888-8) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(999999+999-9) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{442} &:= \frac{(111+111-1) \times (1+1)}{1 \times 1} = \frac{(222+222-2) \times (2+2)}{2 \times 2} = \frac{(333+333-3) \times (3+3)}{3 \times 3} \\ &:= \frac{(444+444-4) \times (4+4)}{4 \times 4} = \frac{(555+555-5) \times (5+5)}{5 \times 5} = \frac{(666+666-6) \times (6+6)}{6 \times 6} \\ &:= \frac{(777+777-7) \times (7+7)}{7 \times 7} = \frac{(888+888-8) \times (8+8)}{8 \times 8} = \frac{(999+999-9) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\mathbf{2442} := \frac{(1111+111-1) \times (1+1)}{1 \times 1} = \frac{(2222+222-2) \times (2+2)}{2 \times 2} = \frac{(3333+333-3) \times (3+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(4444 + 444 - 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 - 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 - 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 - 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22442} &:= \frac{(11111 + 111 - 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 - 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 - 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 - 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 - 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 - 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222442} &:= \frac{(111111 + 111 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 - 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{443} &:= \frac{(1 + 1 + 1 + 1) \times 111 - 1 \times 1}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 222 - 2 \times 2}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times 444 - 4 \times 4}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times 555 - 5 \times 5}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times 666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times 777 - 7 \times 7}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times 888 - 8 \times 8}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times 999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{4443} &:= \frac{(1 + 1 + 1 + 1) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{44443} &:= \frac{(1 + 1 + 1 + 1) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 33333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{444443} &:= \frac{(1 + 1 + 1 + 1) \times 111111 - 1 \times 1}{1 \times 1} = \frac{(2 + 2 + 2 + 2) \times 222222 - 2 \times 2}{2 \times 2} = \frac{(3 + 3 + 3 + 3) \times 333333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4 + 4 + 4 + 4) \times 444444 - 4 \times 4}{4 \times 4} = \frac{(5 + 5 + 5 + 5) \times 555555 - 5 \times 5}{5 \times 5} = \frac{(6 + 6 + 6 + 6) \times 666666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7 + 7 + 7 + 7) \times 777777 - 7 \times 7}{7 \times 7} = \frac{(8 + 8 + 8 + 8) \times 888888 - 8 \times 8}{8 \times 8} = \frac{(9 + 9 + 9 + 9) \times 999999 - 9 \times 9}{9 \times 9} \end{aligned}$$

►

444

$$:= \frac{(1+1+1+1) \times 111}{1 \times 1} = \frac{(2+2+2+2) \times 222}{2 \times 2} = \frac{(3+3+3+3) \times 333}{3 \times 3}$$

$$:= \frac{(4+4+4+4) \times 444}{4 \times 4} = \frac{(5+5+5+5) \times 555}{5 \times 5} = \frac{(6+6+6+6) \times 666}{6 \times 6}$$

$$:= \frac{(7+7+7+7) \times 777}{7 \times 7} = \frac{(8+8+8+8) \times 888}{8 \times 8} = \frac{(9+9+9+9) \times 999}{9 \times 9}$$

4444

$$:= \frac{(1+1+1+1) \times 1111}{1 \times 1} = \frac{(2+2+2+2) \times 2222}{2 \times 2} = \frac{(3+3+3+3) \times 3333}{3 \times 3}$$

$$:= \frac{(4+4+4+4) \times 4444}{4 \times 4} = \frac{(5+5+5+5) \times 5555}{5 \times 5} = \frac{(6+6+6+6) \times 6666}{6 \times 6}$$

$$:= \frac{(7+7+7+7) \times 7777}{7 \times 7} = \frac{(8+8+8+8) \times 8888}{8 \times 8} = \frac{(9+9+9+9) \times 9999}{9 \times 9}$$

44444

$$:= \frac{(1+1+1+1) \times 11111}{1 \times 1} = \frac{(2+2+2+2) \times 22222}{2 \times 2} = \frac{(3+3+3+3) \times 33333}{3 \times 3}$$

$$:= \frac{(4+4+4+4) \times 44444}{4 \times 4} = \frac{(5+5+5+5) \times 55555}{5 \times 5} = \frac{(6+6+6+6) \times 66666}{6 \times 6}$$

$$:= \frac{(7+7+7+7) \times 77777}{7 \times 7} = \frac{(8+8+8+8) \times 88888}{8 \times 8} = \frac{(9+9+9+9) \times 99999}{9 \times 9}$$

444444

$$:= \frac{(1+1+1+1) \times 111111}{1 \times 1} = \frac{(2+2+2+2) \times 222222}{2 \times 2} = \frac{(3+3+3+3) \times 333333}{3 \times 3}$$

$$:= \frac{(4+4+4+4) \times 444444}{4 \times 4} = \frac{(5+5+5+5) \times 555555}{5 \times 5} = \frac{(6+6+6+6) \times 666666}{6 \times 6}$$

$$:= \frac{(7+7+7+7) \times 777777}{7 \times 7} = \frac{(8+8+8+8) \times 888888}{8 \times 8} = \frac{(9+9+9+9) \times 999999}{9 \times 9}$$

►

445

$$:= \frac{1111-111-111+1}{1+1} = \frac{2222-222-222+2}{2+2} = \frac{3333-333-333+3}{3+3}$$

$$:= \frac{4444-444-444+4}{4+4} = \frac{5555-555-555+5}{5+5} = \frac{6666-666-666+6}{6+6}$$

$$:= \frac{7777-777-777+7}{7+7} = \frac{8888-888-888+8}{8+8} = \frac{9999-999-999+9}{9+9}$$

5445

$$:= \frac{11111-111-111+1}{1+1} = \frac{22222-222-222+2}{2+2} = \frac{33333-333-333+3}{3+3}$$

$$:= \frac{44444-444-444+4}{4+4} = \frac{55555-555-555+5}{5+5} = \frac{66666-666-666+6}{6+6}$$

$$:= \frac{77777-777-777+7}{7+7} = \frac{88888-888-888+8}{8+8} = \frac{99999-999-999+9}{9+9}$$

55445

$$:= \frac{111111-111-111+1}{1+1} = \frac{222222-222-222+2}{2+2} = \frac{333333-333-333+3}{3+3}$$

$$:= \frac{444444-444-444+4}{4+4} = \frac{555555-555-555+5}{5+5} = \frac{666666-666-666+6}{6+6}$$

$$:= \frac{777777-777-777+7}{7+7} = \frac{888888-888-888+8}{8+8} = \frac{999999-999-999+9}{9+9}$$

$$\begin{aligned} \mathbf{555445} &:= \frac{1111111 - 111 - 111 + 1}{1 + 1} = \frac{2222222 - 222 - 222 + 2}{2 + 2} = \frac{3333333 - 333 - 333 + 3}{3 + 3} \\ &:= \frac{4444444 - 444 - 444 + 4}{4 + 4} = \frac{5555555 - 555 - 555 + 5}{5 + 5} = \frac{6666666 - 666 - 666 + 6}{6 + 6} \\ &:= \frac{7777777 - 777 - 777 + 7}{7 + 7} = \frac{8888888 - 888 - 888 + 8}{8 + 8} = \frac{9999999 - 999 - 999 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{446} &:= \frac{(111 + 111 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{2446} &:= \frac{(1111 + 111 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{22446} &:= \frac{(11111 + 111 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{222446} &:= \frac{(111111 + 111 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{447} &:= \frac{(111 + 1) \times (1 + 1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 2) \times (2 + 2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 3) \times (3 + 3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 4) \times (4 + 4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 5) \times (5 + 5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 6) \times (6 + 6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 7) \times (7 + 7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 8) \times (8 + 8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 9) \times (9 + 9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\mathbf{4447} := \frac{(1111 + 1) \times (1 + 1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 2) \times (2 + 2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 3) \times (3 + 3 + 3 + 3) - 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(4444+4) \times (4+4+4+4) - 4 \times 4}{4 \times 4} = \frac{(5555+5) \times (5+5+5+5) - 5 \times 5}{5 \times 5} = \frac{(6666+6) \times (6+6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7) \times (7+7+7+7) - 7 \times 7}{7 \times 7} = \frac{(8888+8) \times (8+8+8+8) - 8 \times 8}{8 \times 8} = \frac{(9999+9) \times (9+9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44447} &:= \frac{(11111+1) \times (1+1+1+1) - 1 \times 1}{1 \times 1} = \frac{(22222+2) \times (2+2+2+2) - 2 \times 2}{2 \times 2} = \frac{(33333+3) \times (3+3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+4) \times (4+4+4+4) - 4 \times 4}{4 \times 4} = \frac{(55555+5) \times (5+5+5+5) - 5 \times 5}{5 \times 5} = \frac{(66666+6) \times (6+6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+7) \times (7+7+7+7) - 7 \times 7}{7 \times 7} = \frac{(88888+8) \times (8+8+8+8) - 8 \times 8}{8 \times 8} = \frac{(99999+9) \times (9+9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{444447} &:= \frac{(111111+1) \times (1+1+1+1) - 1 \times 1}{1 \times 1} = \frac{(222222+2) \times (2+2+2+2) - 2 \times 2}{2 \times 2} = \frac{(333333+3) \times (3+3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444+4) \times (4+4+4+4) - 4 \times 4}{4 \times 4} = \frac{(555555+5) \times (5+5+5+5) - 5 \times 5}{5 \times 5} = \frac{(666666+6) \times (6+6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777+7) \times (7+7+7+7) - 7 \times 7}{7 \times 7} = \frac{(888888+8) \times (8+8+8+8) - 8 \times 8}{8 \times 8} = \frac{(999999+9) \times (9+9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} \textcolor{red}{448} &:= \frac{(111+1) \times (1+1+1+1)}{1 \times 1} = \frac{(222+2) \times (2+2+2+2)}{2 \times 2} = \frac{(333+3) \times (3+3+3+3)}{3 \times 3} \\ &:= \frac{(444+4) \times (4+4+4+4)}{4 \times 4} = \frac{(555+5) \times (5+5+5+5)}{5 \times 5} = \frac{(666+6) \times (6+6+6+6)}{6 \times 6} \\ &:= \frac{(777+7) \times (7+7+7+7)}{7 \times 7} = \frac{(888+8) \times (8+8+8+8)}{8 \times 8} = \frac{(999+9) \times (9+9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{4448} &:= \frac{(1111+1) \times (1+1+1+1)}{1 \times 1} = \frac{(2222+2) \times (2+2+2+2)}{2 \times 2} = \frac{(3333+3) \times (3+3+3+3)}{3 \times 3} \\ &:= \frac{(4444+4) \times (4+4+4+4)}{4 \times 4} = \frac{(5555+5) \times (5+5+5+5)}{5 \times 5} = \frac{(6666+6) \times (6+6+6+6)}{6 \times 6} \\ &:= \frac{(7777+7) \times (7+7+7+7)}{7 \times 7} = \frac{(8888+8) \times (8+8+8+8)}{8 \times 8} = \frac{(9999+9) \times (9+9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44448} &:= \frac{(11111+1) \times (1+1+1+1)}{1 \times 1} = \frac{(22222+2) \times (2+2+2+2)}{2 \times 2} = \frac{(33333+3) \times (3+3+3+3)}{3 \times 3} \\ &:= \frac{(44444+4) \times (4+4+4+4)}{4 \times 4} = \frac{(55555+5) \times (5+5+5+5)}{5 \times 5} = \frac{(66666+6) \times (6+6+6+6)}{6 \times 6} \\ &:= \frac{(77777+7) \times (7+7+7+7)}{7 \times 7} = \frac{(88888+8) \times (8+8+8+8)}{8 \times 8} = \frac{(99999+9) \times (9+9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{444448} &:= \frac{(111111+1) \times (1+1+1+1)}{1 \times 1} = \frac{(222222+2) \times (2+2+2+2)}{2 \times 2} = \frac{(333333+3) \times (3+3+3+3)}{3 \times 3} \\ &:= \frac{(444444+4) \times (4+4+4+4)}{4 \times 4} = \frac{(555555+5) \times (5+5+5+5)}{5 \times 5} = \frac{(666666+6) \times (6+6+6+6)}{6 \times 6} \\ &:= \frac{(777777+7) \times (7+7+7+7)}{7 \times 7} = \frac{(888888+8) \times (8+8+8+8)}{8 \times 8} = \frac{(999999+9) \times (9+9+9+9)}{9 \times 9} \end{aligned}$$

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449

$$\begin{aligned}
 &:= \frac{(111+1) \times (1+1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222+2) \times (2+2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333+3) \times (3+3+3+3) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(444+4) \times (4+4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555+5) \times (5+5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666+6) \times (6+6+6+6) + 6 \times 6}{6 \times 6} \\
 &:= \frac{(777+7) \times (7+7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888+8) \times (8+8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999+9) \times (9+9+9+9) + 9 \times 9}{9 \times 9}
 \end{aligned}$$

4449

$$\begin{aligned}
 &:= \frac{(1111+1) \times (1+1+1+1) + 1 \times 1}{1 \times 1} = \frac{(2222+2) \times (2+2+2+2) + 2 \times 2}{2 \times 2} = \frac{(3333+3) \times (3+3+3+3) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(4444+4) \times (4+4+4+4) + 4 \times 4}{4 \times 4} = \frac{(5555+5) \times (5+5+5+5) + 5 \times 5}{5 \times 5} = \frac{(6666+6) \times (6+6+6+6) + 6 \times 6}{6 \times 6} \\
 &:= \frac{(7777+7) \times (7+7+7+7) + 7 \times 7}{7 \times 7} = \frac{(8888+8) \times (8+8+8+8) + 8 \times 8}{8 \times 8} = \frac{(9999+9) \times (9+9+9+9) + 9 \times 9}{9 \times 9}
 \end{aligned}$$

44449

$$\begin{aligned}
 &:= \frac{(11111+1) \times (1+1+1+1) + 1 \times 1}{1 \times 1} = \frac{(22222+2) \times (2+2+2+2) + 2 \times 2}{2 \times 2} = \frac{(33333+3) \times (3+3+3+3) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(44444+4) \times (4+4+4+4) + 4 \times 4}{4 \times 4} = \frac{(55555+5) \times (5+5+5+5) + 5 \times 5}{5 \times 5} = \frac{(66666+6) \times (6+6+6+6) + 6 \times 6}{6 \times 6} \\
 &:= \frac{(77777+7) \times (7+7+7+7) + 7 \times 7}{7 \times 7} = \frac{(88888+8) \times (8+8+8+8) + 8 \times 8}{8 \times 8} = \frac{(99999+9) \times (9+9+9+9) + 9 \times 9}{9 \times 9}
 \end{aligned}$$

444449

$$\begin{aligned}
 &:= \frac{(111111+1) \times (1+1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222222+2) \times (2+2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333333+3) \times (3+3+3+3) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(444444+4) \times (4+4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555555+5) \times (5+5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666666+6) \times (6+6+6+6) + 6 \times 6}{6 \times 6} \\
 &:= \frac{(777777+7) \times (7+7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888888+8) \times (8+8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999999+9) \times (9+9+9+9) + 9 \times 9}{9 \times 9}
 \end{aligned}$$

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450

$$\begin{aligned}
 &:= \frac{1111-111-111+11}{1+1} = \frac{2222-222-222+22}{2+2} = \frac{3333-333-333+33}{3+3} \\
 &:= \frac{4444-444-444+44}{4+4} = \frac{5555-555-555+55}{5+5} = \frac{6666-666-666+66}{6+6} \\
 &:= \frac{7777-777-777+77}{7+7} = \frac{8888-888-888+88}{8+8} = \frac{9999-999-999+99}{9+9}
 \end{aligned}$$

5450

$$\begin{aligned}
 &:= \frac{11111-111-111+11}{1+1} = \frac{22222-222-222+22}{2+2} = \frac{33333-333-333+33}{3+3} \\
 &:= \frac{44444-444-444+44}{4+4} = \frac{55555-555-555+55}{5+5} = \frac{66666-666-666+66}{6+6} \\
 &:= \frac{77777-777-777+77}{7+7} = \frac{88888-888-888+88}{8+8} = \frac{99999-999-999+99}{9+9}
 \end{aligned}$$

55450

$$\begin{aligned}
 &:= \frac{111111-111-111+11}{1+1} = \frac{222222-222-222+22}{2+2} = \frac{333333-333-333+33}{3+3} \\
 &:= \frac{444444-444-444+44}{4+4} = \frac{555555-555-555+55}{5+5} = \frac{666666-666-666+66}{6+6} \\
 &:= \frac{777777-777-777+77}{7+7} = \frac{888888-888-888+88}{8+8} = \frac{999999-999-999+99}{9+9}
 \end{aligned}$$

$$\begin{aligned} \mathbf{555450} &:= \frac{1111111 - 111 - 111 + 11}{1 + 1} = \frac{2222222 - 222 - 222 + 22}{2 + 2} = \frac{3333333 - 333 - 333 + 33}{3 + 3} \\ &:= \frac{4444444 - 444 - 444 + 44}{4 + 4} = \frac{5555555 - 555 - 555 + 55}{5 + 5} = \frac{6666666 - 666 - 666 + 66}{6 + 6} \\ &:= \frac{7777777 - 777 - 777 + 77}{7 + 7} = \frac{8888888 - 888 - 888 + 88}{8 + 8} = \frac{9999999 - 999 - 999 + 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{451} &:= \frac{111 + 11 + 1}{(1 + 1 + 1) \times 1} = \frac{222 + 22 + 2}{(2 + 2 + 2) \times 2} = \frac{333 + 33 + 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{444 + 44 + 4}{(4 + 4 + 4) \times 4} = \frac{555 + 55 + 5}{(5 + 5 + 5) \times 5} = \frac{666 + 66 + 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{777 + 77 + 7}{(7 + 7 + 7) \times 7} = \frac{888 + 88 + 8}{(8 + 8 + 8) \times 8} = \frac{999 + 99 + 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{4551} &:= \frac{111 + 11 + 1}{(1 + 1 + 1) \times 1} = \frac{222 + 22 + 2}{(2 + 2 + 2) \times 2} = \frac{333 + 33 + 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{444 + 44 + 4}{(4 + 4 + 4) \times 4} = \frac{555 + 55 + 5}{(5 + 5 + 5) \times 5} = \frac{666 + 66 + 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{777 + 77 + 7}{(7 + 7 + 7) \times 7} = \frac{888 + 88 + 8}{(8 + 8 + 8) \times 8} = \frac{999 + 99 + 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{45551} &:= \frac{111 + 11 + 1}{(1 + 1 + 1) \times 1} = \frac{222 + 22 + 2}{(2 + 2 + 2) \times 2} = \frac{333 + 33 + 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{444 + 44 + 4}{(4 + 4 + 4) \times 4} = \frac{555 + 55 + 5}{(5 + 5 + 5) \times 5} = \frac{666 + 66 + 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{777 + 77 + 7}{(7 + 7 + 7) \times 7} = \frac{888 + 88 + 8}{(8 + 8 + 8) \times 8} = \frac{999 + 99 + 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{455551} &:= \frac{111 + 11 + 1}{(1 + 1 + 1) \times 1} = \frac{222 + 22 + 2}{(2 + 2 + 2) \times 2} = \frac{333 + 33 + 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{444 + 44 + 4}{(4 + 4 + 4) \times 4} = \frac{555 + 55 + 5}{(5 + 5 + 5) \times 5} = \frac{666 + 66 + 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{777 + 77 + 7}{(7 + 7 + 7) \times 7} = \frac{888 + 88 + 8}{(8 + 8 + 8) \times 8} = \frac{999 + 99 + 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{452} &:= \frac{(111 + 1 + 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(222 + 2 + 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(333 + 3 + 3) \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 4 + 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(555 + 5 + 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(666 + 6 + 6) \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 7 + 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(888 + 8 + 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(999 + 9 + 9) \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\mathbf{4452} := \frac{(1111 + 1 + 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 2 + 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 3 + 3) \times (3 + 3 + 3 + 3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(4444 + 4 + 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 5 + 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 6 + 6) \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 7 + 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 8 + 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 9 + 9) \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44452} &:= \frac{(11111 + 1 + 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 2 + 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 3 + 3) \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 4 + 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 5 + 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 6 + 6) \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 7 + 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 8 + 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 9 + 9) \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{444452} &:= \frac{(111111 + 1 + 1) \times (1 + 1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 2 + 2) \times (2 + 2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 3 + 3) \times (3 + 3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 4 + 4) \times (4 + 4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 5 + 5) \times (5 + 5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 6 + 6) \times (6 + 6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 7 + 7) \times (7 + 7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 8 + 8) \times (8 + 8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 9 + 9) \times (9 + 9 + 9 + 9)}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} \textcolor{red}{453} &:= \frac{111 \times (1 + 1 + 1) + 11 \times 11 - 1 \times 1}{1 \times 1} = \frac{222 \times (2 + 2 + 2) + 22 \times 22 - 2 \times 2}{2 \times 2} = \frac{333 \times (3 + 3 + 3) + 33 \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{444 \times (4 + 4 + 4) + 44 \times 44 - 4 \times 4}{4 \times 4} = \frac{555 \times (5 + 5 + 5) + 55 \times 55 - 5 \times 5}{5 \times 5} = \frac{666 \times (6 + 6 + 6) + 66 \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{777 \times (7 + 7 + 7) + 77 \times 77 - 7 \times 7}{7 \times 7} = \frac{888 \times (8 + 8 + 8) + 88 \times 88 - 8 \times 8}{8 \times 8} = \frac{999 \times (9 + 9 + 9) + 99 \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3453} &:= \frac{1111 \times (1 + 1 + 1) + 11 \times 11 - 1 \times 1}{1 \times 1} = \frac{2222 \times (2 + 2 + 2) + 22 \times 22 - 2 \times 2}{2 \times 2} = \frac{3333 \times (3 + 3 + 3) + 33 \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{4444 \times (4 + 4 + 4) + 44 \times 44 - 4 \times 4}{4 \times 4} = \frac{5555 \times (5 + 5 + 5) + 55 \times 55 - 5 \times 5}{5 \times 5} = \frac{6666 \times (6 + 6 + 6) + 66 \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{7777 \times (7 + 7 + 7) + 77 \times 77 - 7 \times 7}{7 \times 7} = \frac{8888 \times (8 + 8 + 8) + 88 \times 88 - 8 \times 8}{8 \times 8} = \frac{9999 \times (9 + 9 + 9) + 99 \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33453} &:= \frac{11111 \times (1 + 1 + 1) + 11 \times 11 - 1 \times 1}{1 \times 1} = \frac{22222 \times (2 + 2 + 2) + 22 \times 22 - 2 \times 2}{2 \times 2} = \frac{33333 \times (3 + 3 + 3) + 33 \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{44444 \times (4 + 4 + 4) + 44 \times 44 - 4 \times 4}{4 \times 4} = \frac{55555 \times (5 + 5 + 5) + 55 \times 55 - 5 \times 5}{5 \times 5} = \frac{66666 \times (6 + 6 + 6) + 66 \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{77777 \times (7 + 7 + 7) + 77 \times 77 - 7 \times 7}{7 \times 7} = \frac{88888 \times (8 + 8 + 8) + 88 \times 88 - 8 \times 8}{8 \times 8} = \frac{99999 \times (9 + 9 + 9) + 99 \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333453} &:= \frac{111111 \times (1 + 1 + 1) + 11 \times 11 - 1 \times 1}{1 \times 1} = \frac{222222 \times (2 + 2 + 2) + 22 \times 22 - 2 \times 2}{2 \times 2} = \frac{333333 \times (3 + 3 + 3) + 33 \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{444444 \times (4 + 4 + 4) + 44 \times 44 - 4 \times 4}{4 \times 4} = \frac{555555 \times (5 + 5 + 5) + 55 \times 55 - 5 \times 5}{5 \times 5} = \frac{666666 \times (6 + 6 + 6) + 66 \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{777777 \times (7 + 7 + 7) + 77 \times 77 - 7 \times 7}{7 \times 7} = \frac{888888 \times (8 + 8 + 8) + 88 \times 88 - 8 \times 8}{8 \times 8} = \frac{999999 \times (9 + 9 + 9) + 99 \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 454 &:= \frac{111 \times (1+1+1) + 11 \times 11}{1 \times 1} = \frac{222 \times (2+2+2) + 22 \times 22}{2 \times 2} = \frac{333 \times (3+3+3) + 33 \times 33}{3 \times 3} \\ &:= \frac{444 \times (4+4+4) + 44 \times 44}{4 \times 4} = \frac{555 \times (5+5+5) + 55 \times 55}{5 \times 5} = \frac{666 \times (6+6+6) + 66 \times 66}{6 \times 6} \\ &:= \frac{777 \times (7+7+7) + 77 \times 77}{7 \times 7} = \frac{888 \times (8+8+8) + 88 \times 88}{8 \times 8} = \frac{999 \times (9+9+9) + 99 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 3454 &:= \frac{1111 \times (1+1+1) + 11 \times 11}{1 \times 1} = \frac{2222 \times (2+2+2) + 22 \times 22}{2 \times 2} = \frac{3333 \times (3+3+3) + 33 \times 33}{3 \times 3} \\ &:= \frac{4444 \times (4+4+4) + 44 \times 44}{4 \times 4} = \frac{5555 \times (5+5+5) + 55 \times 55}{5 \times 5} = \frac{6666 \times (6+6+6) + 66 \times 66}{6 \times 6} \\ &:= \frac{7777 \times (7+7+7) + 77 \times 77}{7 \times 7} = \frac{8888 \times (8+8+8) + 88 \times 88}{8 \times 8} = \frac{9999 \times (9+9+9) + 99 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 33454 &:= \frac{11111 \times (1+1+1) + 11 \times 11}{1 \times 1} = \frac{22222 \times (2+2+2) + 22 \times 22}{2 \times 2} = \frac{33333 \times (3+3+3) + 33 \times 33}{3 \times 3} \\ &:= \frac{44444 \times (4+4+4) + 44 \times 44}{4 \times 4} = \frac{55555 \times (5+5+5) + 55 \times 55}{5 \times 5} = \frac{66666 \times (6+6+6) + 66 \times 66}{6 \times 6} \\ &:= \frac{77777 \times (7+7+7) + 77 \times 77}{7 \times 7} = \frac{88888 \times (8+8+8) + 88 \times 88}{8 \times 8} = \frac{99999 \times (9+9+9) + 99 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 333454 &:= \frac{111111 \times (1+1+1) + 11 \times 11}{1 \times 1} = \frac{222222 \times (2+2+2) + 22 \times 22}{2 \times 2} = \frac{333333 \times (3+3+3) + 33 \times 33}{3 \times 3} \\ &:= \frac{444444 \times (4+4+4) + 44 \times 44}{4 \times 4} = \frac{555555 \times (5+5+5) + 55 \times 55}{5 \times 5} = \frac{666666 \times (6+6+6) + 66 \times 66}{6 \times 6} \\ &:= \frac{777777 \times (7+7+7) + 77 \times 77}{7 \times 7} = \frac{888888 \times (8+8+8) + 88 \times 88}{8 \times 8} = \frac{999999 \times (9+9+9) + 99 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 455 &:= \frac{(1+1+1+1) \times 111 + 11 \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 222 + 22 \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 333 + 33 \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 444 + 44 \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 555 + 55 \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 666 + 66 \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 777 + 77 \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 888 + 88 \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 999 + 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 4455 &:= \frac{(1+1+1+1) \times 1111 + 11 \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 2222 + 22 \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 3333 + 33 \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 4444 + 44 \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 5555 + 55 \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 6666 + 66 \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 7777 + 77 \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 8888 + 88 \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 9999 + 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 44455 &:= \frac{(1+1+1+1) \times 11111 + 11 \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 22222 + 22 \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 33333 + 33 \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 44444 + 44 \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 55555 + 55 \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 66666 + 66 \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 77777 + 77 \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 88888 + 88 \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 99999 + 99 \times 9}{9 \times 9} \end{aligned}$$

444455

$$\begin{aligned} &:= \frac{(1+1+1+1) \times 111111 + 11 \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 222222 + 22 \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 333333 + 33 \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 444444 + 44 \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 555555 + 55 \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 666666 + 66 \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 777777 + 77 \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 888888 + 88 \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 999999 + 99 \times 9}{9 \times 9} \end{aligned}$$

► 456

$$\begin{aligned} &:= \frac{(1+1+1+1) \times 111 + (11+1) \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 222 + (22+2) \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 333 + (33+3) \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 444 + (44+4) \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 555 + (55+5) \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 666 + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 777 + (77+7) \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 888 + (88+8) \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 999 + (99+9) \times 9}{9 \times 9} \end{aligned}$$

4456

$$\begin{aligned} &:= \frac{(1+1+1+1) \times 1111 + (11+1) \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 2222 + (22+2) \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 3333 + (33+3) \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 4444 + (44+4) \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 5555 + (55+5) \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 6666 + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 7777 + (77+7) \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 8888 + (88+8) \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 9999 + (99+9) \times 9}{9 \times 9} \end{aligned}$$

44456

$$\begin{aligned} &:= \frac{(1+1+1+1) \times 11111 + (11+1) \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 22222 + (22+2) \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 33333 + (33+3) \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 44444 + (44+4) \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 55555 + (55+5) \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 66666 + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 77777 + (77+7) \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 88888 + (88+8) \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 99999 + (99+9) \times 9}{9 \times 9} \end{aligned}$$

444456

$$\begin{aligned} &:= \frac{(1+1+1+1) \times 111111 + (11+1) \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 222222 + (22+2) \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 333333 + (33+3) \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 444444 + (44+4) \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 555555 + (55+5) \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 666666 + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 777777 + (77+7) \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 888888 + (88+8) \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 999999 + (99+9) \times 9}{9 \times 9} \end{aligned}$$

► 457

$$\begin{aligned} &:= \frac{(1+1+1+1) \times 111 + (11+1+1) \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 222 + (22+2+2) \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 333 + (33+3+3) \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 444 + (44+4+4) \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 555 + (55+5+5) \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 666 + (66+6+6) \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 777 + (77+7+7) \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 888 + (88+8+8) \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 999 + (99+9+9) \times 9}{9 \times 9} \end{aligned}$$

4457

$$\begin{aligned} &:= \frac{(1+1+1+1) \times 1111 + (11+1+1) \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 2222 + (22+2+2) \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 3333 + (33+3+3) \times 3}{3 \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(4+4+4+4) \times 4444 + (44+4+4) \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 5555 + (55+5+5) \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 6666 + (66+6+6) \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 7777 + (77+7+7) \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 8888 + (88+8+8) \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 9999 + (99+9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44457} &:= \frac{(1+1+1+1) \times 11111 + (11+1+1) \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 22222 + (22+2+2) \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 33333 + (33+3+3) \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 44444 + (44+4+4) \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 55555 + (55+5+5) \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 66666 + (66+6+6) \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 77777 + (77+7+7) \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 88888 + (88+8+8) \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 99999 + (99+9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{444457} &:= \frac{(1+1+1+1) \times 111111 + (11+1+1) \times 1}{1 \times 1} = \frac{(2+2+2+2) \times 222222 + (22+2+2) \times 2}{2 \times 2} = \frac{(3+3+3+3) \times 333333 + (33+3+3) \times 3}{3 \times 3} \\ &:= \frac{(4+4+4+4) \times 444444 + (44+4+4) \times 4}{4 \times 4} = \frac{(5+5+5+5) \times 555555 + (55+5+5) \times 5}{5 \times 5} = \frac{(6+6+6+6) \times 666666 + (66+6+6) \times 6}{6 \times 6} \\ &:= \frac{(7+7+7+7) \times 777777 + (77+7+7) \times 7}{7 \times 7} = \frac{(8+8+8+8) \times 888888 + (88+8+8) \times 8}{8 \times 8} = \frac{(9+9+9+9) \times 999999 + (99+9+9) \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{458} &:= \frac{(111+111+1) \times (11+11) + (11+1) \times 11}{1 \times 11} = \frac{(222+222+2) \times (22+22) + (22+2) \times 22}{2 \times 22} = \frac{(333+333+3) \times (33+33) + (33+3) \times 33}{3 \times 33} \\ &:= \frac{(444+444+4) \times (44+44) + (44+4) \times 44}{4 \times 44} = \frac{(555+555+5) \times (55+55) + (55+5) \times 55}{5 \times 55} = \frac{(666+666+6) \times (66+66) + (66+6) \times 66}{6 \times 66} \\ &:= \frac{(777+777+7) \times (77+77) + (77+7) \times 77}{7 \times 77} = \frac{(888+888+8) \times (88+88) + (88+8) \times 88}{8 \times 88} = \frac{(999+999+9) \times (99+99) + (99+9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2458} &:= \frac{(1111+111+1) \times (11+11) + (11+1) \times 11}{1 \times 11} = \frac{(2222+222+2) \times (22+22) + (22+2) \times 22}{2 \times 22} = \frac{(3333+333+3) \times (33+33) + (33+3) \times 33}{3 \times 33} \\ &:= \frac{(4444+444+4) \times (44+44) + (44+4) \times 44}{4 \times 44} = \frac{(5555+555+5) \times (55+55) + (55+5) \times 55}{5 \times 55} = \frac{(6666+666+6) \times (66+66) + (66+6) \times 66}{6 \times 66} \\ &:= \frac{(7777+777+7) \times (77+77) + (77+7) \times 77}{7 \times 77} = \frac{(8888+888+8) \times (88+88) + (88+8) \times 88}{8 \times 88} = \frac{(9999+999+9) \times (99+99) + (99+9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22458} &:= \frac{(11111+111+1) \times (11+11) + (11+1) \times 11}{1 \times 11} = \frac{(22222+222+2) \times (22+22) + (22+2) \times 22}{2 \times 22} = \frac{(33333+333+3) \times (33+33) + (33+3) \times 33}{3 \times 33} \\ &:= \frac{(44444+444+4) \times (44+44) + (44+4) \times 44}{4 \times 44} = \frac{(55555+555+5) \times (55+55) + (55+5) \times 55}{5 \times 55} = \frac{(66666+666+6) \times (66+66) + (66+6) \times 66}{6 \times 66} \\ &:= \frac{(77777+777+7) \times (77+77) + (77+7) \times 77}{7 \times 77} = \frac{(88888+888+8) \times (88+88) + (88+8) \times 88}{8 \times 88} = \frac{(99999+999+9) \times (99+99) + (99+9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222458} &:= \frac{(111111+111+1) \times (11+11) + (11+1) \times 11}{1 \times 11} = \frac{(222222+222+2) \times (22+22) + (22+2) \times 22}{2 \times 22} = \frac{(333333+333+3) \times (33+33) + (33+3) \times 33}{3 \times 33} \\ &:= \frac{(444444+444+4) \times (44+44) + (44+4) \times 44}{4 \times 44} = \frac{(555555+555+5) \times (55+55) + (55+5) \times 55}{5 \times 55} = \frac{(666666+666+6) \times (66+66) + (66+6) \times 66}{6 \times 66} \\ &:= \frac{(777777+777+7) \times (77+77) + (77+7) \times 77}{7 \times 77} = \frac{(888888+888+8) \times (88+88) + (88+8) \times 88}{8 \times 88} = \frac{(999999+999+9) \times (99+99) + (99+9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 459 &:= \frac{(1111 + 11) \times (11 - 1 - 1)}{(1 + 1) \times 11} = \frac{(2222 + 22) \times (22 - 2 - 2)}{(2 + 2) \times 22} = \frac{(3333 + 33) \times (33 - 3 - 3)}{(3 + 3) \times 33} \\ &:= \frac{(4444 + 44) \times (44 - 4 - 4)}{(4 + 4) \times 44} = \frac{(5555 + 55) \times (55 - 5 - 5)}{(5 + 5) \times 55} = \frac{(6666 + 66) \times (66 - 6 - 6)}{(6 + 6) \times 66} \\ &:= \frac{(7777 + 77) \times (77 - 7 - 7)}{(7 + 7) \times 77} = \frac{(8888 + 88) \times (88 - 8 - 8)}{(8 + 8) \times 88} = \frac{(9999 + 99) \times (99 - 9 - 9)}{(9 + 9) \times 99} \end{aligned}$$

$$\begin{aligned} 45459 &:= \frac{(111111 + 11) \times (11 - 1 - 1)}{(1 + 1) \times 11} = \frac{(222222 + 22) \times (22 - 2 - 2)}{(2 + 2) \times 22} = \frac{(333333 + 33) \times (33 - 3 - 3)}{(3 + 3) \times 33} \\ &:= \frac{(444444 + 44) \times (44 - 4 - 4)}{(4 + 4) \times 44} = \frac{(555555 + 55) \times (55 - 5 - 5)}{(5 + 5) \times 55} = \frac{(666666 + 66) \times (66 - 6 - 6)}{(6 + 6) \times 66} \\ &:= \frac{(777777 + 77) \times (77 - 7 - 7)}{(7 + 7) \times 77} = \frac{(888888 + 88) \times (88 - 8 - 8)}{(8 + 8) \times 88} = \frac{(999999 + 99) \times (99 - 9 - 9)}{(9 + 9) \times 99} \end{aligned}$$

$$\begin{aligned} 4545459 &:= \frac{(11111111 + 11) \times (11 - 1 - 1)}{(1 + 1) \times 11} = \frac{(22222222 + 22) \times (22 - 2 - 2)}{(2 + 2) \times 22} = \frac{(33333333 + 33) \times (33 - 3 - 3)}{(3 + 3) \times 33} \\ &:= \frac{(44444444 + 44) \times (44 - 4 - 4)}{(4 + 4) \times 44} = \frac{(55555555 + 55) \times (55 - 5 - 5)}{(5 + 5) \times 55} = \frac{(66666666 + 66) \times (66 - 6 - 6)}{(6 + 6) \times 66} \\ &:= \frac{(77777777 + 77) \times (77 - 7 - 7)}{(7 + 7) \times 77} = \frac{(88888888 + 88) \times (88 - 8 - 8)}{(8 + 8) \times 88} = \frac{(99999999 + 99) \times (99 - 9 - 9)}{(9 + 9) \times 99} \end{aligned}$$

$$\begin{aligned} 454545459 &:= \frac{(1111111111 + 11) \times (11 - 1 - 1)}{(1 + 1) \times 11} = \frac{(2222222222 + 22) \times (22 - 2 - 2)}{(2 + 2) \times 22} = \frac{(3333333333 + 33) \times (33 - 3 - 3)}{(3 + 3) \times 33} \\ &:= \frac{(4444444444 + 44) \times (44 - 4 - 4)}{(4 + 4) \times 44} = \frac{(5555555555 + 55) \times (55 - 5 - 5)}{(5 + 5) \times 55} = \frac{(6666666666 + 66) \times (66 - 6 - 6)}{(6 + 6) \times 66} \\ &:= \frac{(7777777777 + 77) \times (77 - 7 - 7)}{(7 + 7) \times 77} = \frac{(8888888888 + 88) \times (88 - 8 - 8)}{(8 + 8) \times 88} = \frac{(9999999999 + 99) \times (99 - 9 - 9)}{(9 + 9) \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 460 &:= \frac{1111 \times (11 - 1 - 1) + 11 \times 11}{(1 + 1) \times 11} = \frac{2222 \times (22 - 2 - 2) + 22 \times 22}{(2 + 2) \times 22} = \frac{3333 \times (33 - 3 - 3) + 33 \times 33}{(3 + 3) \times 33} \\ &:= \frac{4444 \times (44 - 4 - 4) + 44 \times 44}{(4 + 4) \times 44} = \frac{5555 \times (55 - 5 - 5) + 55 \times 55}{(5 + 5) \times 55} = \frac{6666 \times (66 - 6 - 6) + 66 \times 66}{(6 + 6) \times 66} \\ &:= \frac{7777 \times (77 - 7 - 7) + 77 \times 77}{(7 + 7) \times 77} = \frac{8888 \times (88 - 8 - 8) + 88 \times 88}{(8 + 8) \times 88} = \frac{9999 \times (99 - 9 - 9) + 99 \times 99}{(9 + 9) \times 99} \end{aligned}$$

$$\begin{aligned} 45460 &:= \frac{111111 \times (11 - 1 - 1) + 11 \times 11}{(1 + 1) \times 11} = \frac{222222 \times (22 - 2 - 2) + 22 \times 22}{(2 + 2) \times 22} = \frac{333333 \times (33 - 3 - 3) + 33 \times 33}{(3 + 3) \times 33} \\ &:= \frac{444444 \times (44 - 4 - 4) + 44 \times 44}{(4 + 4) \times 44} = \frac{555555 \times (55 - 5 - 5) + 55 \times 55}{(5 + 5) \times 55} = \frac{666666 \times (66 - 6 - 6) + 66 \times 66}{(6 + 6) \times 66} \\ &:= \frac{777777 \times (77 - 7 - 7) + 77 \times 77}{(7 + 7) \times 77} = \frac{888888 \times (88 - 8 - 8) + 88 \times 88}{(8 + 8) \times 88} = \frac{999999 \times (99 - 9 - 9) + 99 \times 99}{(9 + 9) \times 99} \end{aligned}$$

$$\begin{aligned} 4545460 &:= \frac{11111111 \times (11 - 1 - 1) + 11 \times 11}{(1 + 1) \times 11} = \frac{22222222 \times (22 - 2 - 2) + 22 \times 22}{(2 + 2) \times 22} = \frac{33333333 \times (33 - 3 - 3) + 33 \times 33}{(3 + 3) \times 33} \\ &:= \frac{44444444 \times (44 - 4 - 4) + 44 \times 44}{(4 + 4) \times 44} = \frac{55555555 \times (55 - 5 - 5) + 55 \times 55}{(5 + 5) \times 55} = \frac{66666666 \times (66 - 6 - 6) + 66 \times 66}{(6 + 6) \times 66} \end{aligned}$$

$$\begin{aligned}
 &:= \frac{77777777 \times (77 - 7 - 7) + 77 \times 77}{(7 + 7) \times 77} = \frac{88888888 \times (88 - 8 - 8) + 88 \times 88}{(8 + 8) \times 88} = \frac{99999999 \times (99 - 9 - 9) + 99 \times 99}{(9 + 9) \times 99} \\
 \textcolor{red}{454545460} &:= \frac{1111111111 \times (11 - 1 - 1) + 11 \times 11}{(1 + 1) \times 11} = \frac{2222222222 \times (22 - 2 - 2) + 22 \times 22}{(2 + 2) \times 22} = \frac{3333333333 \times (33 - 3 - 3) + 33 \times 33}{(3 + 3) \times 33} \\
 &:= \frac{4444444444 \times (44 - 4 - 4) + 44 \times 44}{(4 + 4) \times 44} = \frac{5555555555 \times (55 - 5 - 5) + 55 \times 55}{(5 + 5) \times 55} = \frac{6666666666 \times (66 - 6 - 6) + 66 \times 66}{(6 + 6) \times 66} \\
 &:= \frac{7777777777 \times (77 - 7 - 7) + 77 \times 77}{(7 + 7) \times 77} = \frac{8888888888 \times (88 - 8 - 8) + 88 \times 88}{(8 + 8) \times 88} = \frac{9999999999 \times (99 - 9 - 9) + 99 \times 99}{(9 + 9) \times 99}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{461} &:= \frac{1111 - 111 - 111 + 11 + 11 + 11}{1 + 1} = \frac{2222 - 222 - 222 + 22 + 22 + 22}{2 + 2} = \frac{3333 - 333 - 333 + 33 + 33 + 33}{3 + 3} \\
 &:= \frac{4444 - 444 - 444 + 44 + 44 + 44}{4 + 4} = \frac{5555 - 555 - 555 + 55 + 55 + 55}{5 + 5} = \frac{6666 - 666 - 666 + 66 + 66 + 66}{6 + 6} \\
 &:= \frac{7777 - 777 - 777 + 77 + 77 + 77}{7 + 7} = \frac{8888 - 888 - 888 + 88 + 88 + 88}{8 + 8} = \frac{9999 - 999 - 999 + 99 + 99 + 99}{9 + 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{5461} &:= \frac{11111 - 111 - 111 + 11 + 11 + 11}{1 + 1} = \frac{22222 - 222 - 222 + 22 + 22 + 22}{2 + 2} = \frac{33333 - 333 - 333 + 33 + 33 + 33}{3 + 3} \\
 &:= \frac{44444 - 444 - 444 + 44 + 44 + 44}{4 + 4} = \frac{55555 - 555 - 555 + 55 + 55 + 55}{5 + 5} = \frac{66666 - 666 - 666 + 66 + 66 + 66}{6 + 6} \\
 &:= \frac{77777 - 777 - 777 + 77 + 77 + 77}{7 + 7} = \frac{88888 - 888 - 888 + 88 + 88 + 88}{8 + 8} = \frac{99999 - 999 - 999 + 99 + 99 + 99}{9 + 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{55461} &:= \frac{111111 - 111 - 111 + 11 + 11 + 11}{1 + 1} = \frac{222222 - 222 - 222 + 22 + 22 + 22}{2 + 2} = \frac{333333 - 333 - 333 + 33 + 33 + 33}{3 + 3} \\
 &:= \frac{444444 - 444 - 444 + 44 + 44 + 44}{4 + 4} = \frac{555555 - 555 - 555 + 55 + 55 + 55}{5 + 5} = \frac{666666 - 666 - 666 + 66 + 66 + 66}{6 + 6} \\
 &:= \frac{777777 - 777 - 777 + 77 + 77 + 77}{7 + 7} = \frac{888888 - 888 - 888 + 88 + 88 + 88}{8 + 8} = \frac{999999 - 999 - 999 + 99 + 99 + 99}{9 + 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{555461} &:= \frac{1111111 - 111 - 111 + 11 + 11 + 11}{1 + 1} = \frac{2222222 - 222 - 222 + 22 + 22 + 22}{2 + 2} = \frac{3333333 - 333 - 333 + 33 + 33 + 33}{3 + 3} \\
 &:= \frac{4444444 - 444 - 444 + 44 + 44 + 44}{4 + 4} = \frac{5555555 - 555 - 555 + 55 + 55 + 55}{5 + 5} = \frac{6666666 - 666 - 666 + 66 + 66 + 66}{6 + 6} \\
 &:= \frac{7777777 - 777 - 777 + 77 + 77 + 77}{7 + 7} = \frac{8888888 - 888 - 888 + 88 + 88 + 88}{8 + 8} = \frac{9999999 - 999 - 999 + 99 + 99 + 99}{9 + 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{462} &:= \frac{11 + 1 + 1 + 1) \times (11 + 11 + 11}{1 \times 1} = \frac{22 + 2 + 2 + 2) \times (22 + 22 + 22}{2 \times 2} = \frac{33 + 3 + 3 + 3) \times (33 + 33 + 33}{3 \times 3} \\
 &:= \frac{44 + 4 + 4 + 4) \times (44 + 44 + 44}{4 \times 4} = \frac{55 + 5 + 5 + 5) \times (55 + 55 + 55}{5 \times 5} = \frac{66 + 6 + 6 + 6) \times (66 + 66 + 66}{6 \times 6} \\
 &:= \frac{77 + 7 + 7 + 7) \times (77 + 77 + 77}{7 \times 7} = \frac{88 + 8 + 8 + 8) \times (88 + 88 + 88}{8 \times 8} = \frac{99 + 9 + 9 + 9) \times (99 + 99 + 99}{9 \times 9}
 \end{aligned}$$

4662

$$\begin{aligned} &:= \frac{11+1+1+1) \times (111+111+111}{1 \times 1} = \frac{22+2+2+2) \times (222+222+222}{2 \times 2} = \frac{33+3+3+3) \times (333+333+333}{3 \times 3} \\ &:= \frac{44+4+4+4) \times (444+444+444}{4 \times 4} = \frac{55+5+5+5) \times (555+555+555}{5 \times 5} = \frac{66+6+6+6) \times (666+666+666}{6 \times 6} \\ &:= \frac{77+7+7+7) \times (777+777+777}{7 \times 7} = \frac{88+8+8+8) \times (888+888+888}{8 \times 8} = \frac{99+9+9+9) \times (999+999+999}{9 \times 9} \end{aligned}$$

46662

$$\begin{aligned} &:= \frac{11+1+1+1) \times (1111+1111+1111}{1 \times 1} = \frac{22+2+2+2) \times (2222+2222+2222}{2 \times 2} = \frac{33+3+3+3) \times (3333+3333+3333}{3 \times 3} \\ &:= \frac{44+4+4+4) \times (4444+4444+4444}{4 \times 4} = \frac{55+5+5+5) \times (5555+5555+5555}{5 \times 5} = \frac{66+6+6+6) \times (6666+6666+6666}{6 \times 6} \\ &:= \frac{77+7+7+7) \times (7777+7777+7777}{7 \times 7} = \frac{88+8+8+8) \times (8888+8888+8888}{8 \times 8} = \frac{99+9+9+9) \times (9999+9999+9999}{9 \times 9} \end{aligned}$$

466662

$$\begin{aligned} &:= \frac{11+1+1+1) \times (11111+11111+11111}{1 \times 1} = \frac{22+2+2+2) \times (22222+22222+22222}{2 \times 2} = \frac{33+3+3+3) \times (33333+33333+33333}{3 \times 3} \\ &:= \frac{44+4+4+4) \times (44444+44444+44444}{4 \times 4} = \frac{55+5+5+5) \times (55555+55555+55555}{5 \times 5} = \frac{66+6+6+6) \times (66666+66666+66666}{6 \times 6} \\ &:= \frac{77+7+7+7) \times (77777+77777+77777}{7 \times 7} = \frac{88+8+8+8) \times (88888+88888+88888}{8 \times 8} = \frac{99+9+9+9) \times (99999+99999+99999}{9 \times 9} \end{aligned}$$

► 463

$$\begin{aligned} &:= \frac{(11+1+1+1) \times (11+11+11) + 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times (22+22+22) + 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times (33+33+33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times (44+44+44) + 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times (55+55+55) + 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times (66+66+66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times (77+77+77) + 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times (88+88+88) + 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times (99+99+99) + 9 \times 9}{9 \times 9} \end{aligned}$$

4663

$$\begin{aligned} &:= \frac{(11+1+1+1) \times (111+111+111) + 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times (222+222+222) + 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times (333+333+333) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times (444+444+444) + 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times (555+555+555) + 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times (666+666+666) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times (777+777+777) + 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times (888+888+888) + 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times (999+999+999) + 9 \times 9}{9 \times 9} \end{aligned}$$

46663

$$\begin{aligned} &:= \frac{(11+1+1+1) \times (1111+1111+1111) + 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times (2222+2222+2222) + 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times (3333+3333+3333) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times (4444+4444+4444) + 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times (5555+5555+5555) + 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times (6666+6666+6666) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times (7777+7777+7777) + 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times (8888+8888+8888) + 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times (9999+9999+9999) + 9 \times 9}{9 \times 9} \end{aligned}$$

466663

$$\begin{aligned} &:= \frac{(11+1+1+1) \times (11111+11111+11111) + 1 \times 1}{1 \times 1} = \frac{(22+2+2+2) \times (22222+22222+22222) + 2 \times 2}{2 \times 2} = \frac{(33+3+3+3) \times (33333+33333+33333) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+4+4+4) \times (44444+44444+44444) + 4 \times 4}{4 \times 4} = \frac{(55+5+5+5) \times (55555+55555+55555) + 5 \times 5}{5 \times 5} = \frac{(66+6+6+6) \times (66666+66666+66666) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+7+7+7) \times (77777+77777+77777) + 7 \times 7}{7 \times 7} = \frac{(88+8+8+8) \times (88888+88888+88888) + 8 \times 8}{8 \times 8} = \frac{(99+9+9+9) \times (99999+99999+99999) + 9 \times 9}{9 \times 9} \end{aligned}$$

► **464** :=
$$\frac{(111 + 111 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33 - 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444 + 444 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 - 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 777 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 - 9) \times (9 + 9)}{9 \times 9}$$

2464 :=
$$\frac{(1111 + 111 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 - 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(4444 + 444 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 - 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(7777 + 777 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 - 9) \times (9 + 9)}{9 \times 9}$$

22464 :=
$$\frac{(11111 + 111 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33 - 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(44444 + 444 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66 - 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 777 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99 - 9) \times (9 + 9)}{9 \times 9}$$

222464 :=
$$\frac{(111111 + 111 + 11 - 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 - 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 - 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444444 + 444 + 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 - 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 777 + 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 - 9) \times (9 + 9)}{9 \times 9}$$

► **465** :=
$$\frac{(111 + 111 + 11) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 22) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 33) \times (3 + 3) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(444 + 444 + 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 66) \times (6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 777 + 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 99) \times (9 + 9) - 9 \times 9}{9 \times 9}$$

2465 :=
$$\frac{(1111 + 111 + 11) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(4444 + 444 + 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 777 + 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9) - 9 \times 9}{9 \times 9}$$

222465 :=
$$\frac{(11111 + 111 + 11) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 22) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 33) \times (3 + 3) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44444 + 444 + 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 66) \times (6 + 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 777 + 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 99) \times (9 + 9) - 9 \times 9}{9 \times 9}$$

222465

$$\begin{aligned} &:= \frac{(111111 + 111 + 11) \times (1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 22) \times (2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 33) \times (3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 66) \times (6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 99) \times (9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► 466

$$\begin{aligned} &:= \frac{(111 + 111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

2466

$$\begin{aligned} &:= \frac{(1111 + 111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

222466

$$\begin{aligned} &:= \frac{(11111 + 111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

222466

$$\begin{aligned} &:= \frac{(111111 + 111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

► 467

$$\begin{aligned} &:= \frac{(111 + 111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

2467

$$\begin{aligned} &:= \frac{(1111 + 111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(4444 + 444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22467} &:= \frac{(11111 + 111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222467} &:= \frac{(111111 + 111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{468} &:= \frac{(111 + 111 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2468} &:= \frac{(1111 + 111 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22468} &:= \frac{(11111 + 111 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222468} &:= \frac{(111111 + 111 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

► **469** :=
$$\frac{(111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

2469 :=
$$\frac{(1111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(4444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

22469 :=
$$\frac{(11111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(44444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

222469 :=
$$\frac{(111111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(444444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9}$$

► **470** :=
$$\frac{(111 + 111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444 + 444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9}$$

2470 :=
$$\frac{(1111 + 111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(4444 + 444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(7777 + 777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9}$$

22470 :=
$$\frac{(11111 + 111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(44444 + 444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9}$$

$$\begin{aligned}
 \textcolor{red}{222470} &:= \frac{(111111 + 111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\
 &:= \frac{(444444 + 444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\
 &:= \frac{(777777 + 777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{471} &:= \frac{1111 - 1}{1 + 1 + 1} + \frac{1111}{11} = \frac{2222 - 2}{2 + 2 + 2} + \frac{2222}{22} = \frac{3333 - 3}{3 + 3 + 3} + \frac{3333}{33} \\
 &:= \frac{4444 - 4}{4 + 4 + 4} + \frac{4444}{44} = \frac{5555 - 5}{5 + 5 + 5} + \frac{5555}{55} = \frac{6666 - 6}{6 + 6 + 6} + \frac{6666}{66} \\
 &:= \frac{7777 - 7}{7 + 7 + 7} + \frac{7777}{77} = \frac{8888 - 8}{8 + 8 + 8} + \frac{8888}{88} = \frac{9999 - 9}{9 + 9 + 9} + \frac{9999}{99}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{10471} &:= \frac{1111 - 1}{1 + 1 + 1} + \frac{111111}{11} = \frac{2222 - 2}{2 + 2 + 2} + \frac{222222}{22} = \frac{3333 - 3}{3 + 3 + 3} + \frac{333333}{33} \\
 &:= \frac{4444 - 4}{4 + 4 + 4} + \frac{444444}{44} = \frac{5555 - 5}{5 + 5 + 5} + \frac{555555}{55} = \frac{6666 - 6}{6 + 6 + 6} + \frac{666666}{66} \\
 &:= \frac{7777 - 7}{7 + 7 + 7} + \frac{777777}{77} = \frac{8888 - 8}{8 + 8 + 8} + \frac{888888}{88} = \frac{9999 - 9}{9 + 9 + 9} + \frac{999999}{99}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{1010471} &:= \frac{1111 - 1}{1 + 1 + 1} + \frac{11111111}{11} = \frac{2222 - 2}{2 + 2 + 2} + \frac{22222222}{22} = \frac{3333 - 3}{3 + 3 + 3} + \frac{33333333}{33} \\
 &:= \frac{4444 - 4}{4 + 4 + 4} + \frac{44444444}{44} = \frac{5555 - 5}{5 + 5 + 5} + \frac{55555555}{55} = \frac{6666 - 6}{6 + 6 + 6} + \frac{66666666}{66} \\
 &:= \frac{7777 - 7}{7 + 7 + 7} + \frac{77777777}{77} = \frac{8888 - 8}{8 + 8 + 8} + \frac{88888888}{88} = \frac{9999 - 9}{9 + 9 + 9} + \frac{99999999}{99}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{101010471} &:= \frac{1111 - 1}{1 + 1 + 1} + \frac{1111111111}{11} = \frac{2222 - 2}{2 + 2 + 2} + \frac{2222222222}{22} = \frac{3333 - 3}{3 + 3 + 3} + \frac{3333333333}{33} \\
 &:= \frac{4444 - 4}{4 + 4 + 4} + \frac{4444444444}{44} = \frac{5555 - 5}{5 + 5 + 5} + \frac{5555555555}{55} = \frac{6666 - 6}{6 + 6 + 6} + \frac{6666666666}{66} \\
 &:= \frac{7777 - 7}{7 + 7 + 7} + \frac{7777777777}{77} = \frac{8888 - 8}{8 + 8 + 8} + \frac{8888888888}{88} = \frac{9999 - 9}{9 + 9 + 9} + \frac{9999999999}{99}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{472} &:= \frac{(111 + 111 + 11 + 1 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22 + 2 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33 + 3 + 3 + 3) \times (3 + 3)}{3 \times 3} \\
 &:= \frac{(444 + 444 + 44 + 4 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 + 5 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 + 6 + 6 + 6) \times (6 + 6)}{6 \times 6} \\
 &:= \frac{(777 + 777 + 77 + 7 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 + 8 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 + 9 + 9 + 9) \times (9 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{2472} &:= \frac{(1111 + 111 + 11 + 1 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 + 2 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 + 3 + 3 + 3) \times (3 + 3)}{3 \times 3} \\
 &:= \frac{(4444 + 444 + 44 + 4 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 + 5 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 + 6 + 6 + 6) \times (6 + 6)}{6 \times 6}
 \end{aligned}$$

$$:= \frac{(7777 + 777 + 77 + 7 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 + 8 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 + 9 + 9 + 9) \times (9 + 9)}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{22472} &:= \frac{(111111 + 111 + 11 + 1 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 + 2 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 + 3 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44 + 4 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 + 5 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 + 6 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77 + 7 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 + 8 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 + 9 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222472} &:= \frac{(1111111 + 111 + 11 + 1 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222222 + 222 + 22 + 2 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333333 + 333 + 33 + 3 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444444 + 444 + 44 + 4 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555555 + 555 + 55 + 5 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666666 + 666 + 66 + 6 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777777 + 777 + 77 + 7 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888888 + 888 + 88 + 8 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999999 + 999 + 99 + 9 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{473} &:= \frac{(11 + 11) \times (11 + 11) - 11 \times 1}{1 \times 1} = \frac{(22 + 22) \times (22 + 22) - 22 \times 2}{2 \times 2} = \frac{(33 + 33) \times (33 + 33) - 33 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times (44 + 44) - 44 \times 4}{4 \times 4} = \frac{(55 + 55) \times (55 + 55) - 55 \times 5}{5 \times 5} = \frac{(66 + 66) \times (66 + 66) - 66 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times (77 + 77) - 77 \times 7}{7 \times 7} = \frac{(88 + 88) \times (88 + 88) - 88 \times 8}{8 \times 8} = \frac{(99 + 99) \times (99 + 99) - 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{4873} &:= \frac{(111 + 111) \times (11 + 11) - 11 \times 1}{1 \times 1} = \frac{(222 + 222) \times (22 + 22) - 22 \times 2}{2 \times 2} = \frac{(333 + 333) \times (33 + 33) - 33 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444) \times (44 + 44) - 44 \times 4}{4 \times 4} = \frac{(555 + 555) \times (55 + 55) - 55 \times 5}{5 \times 5} = \frac{(666 + 666) \times (66 + 66) - 66 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777) \times (77 + 77) - 77 \times 7}{7 \times 7} = \frac{(888 + 888) \times (88 + 88) - 88 \times 8}{8 \times 8} = \frac{(999 + 999) \times (99 + 99) - 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{48873} &:= \frac{(1111 + 1111) \times (11 + 11) - 11 \times 1}{1 \times 1} = \frac{(2222 + 2222) \times (22 + 22) - 22 \times 2}{2 \times 2} = \frac{(3333 + 3333) \times (33 + 33) - 33 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4444) \times (44 + 44) - 44 \times 4}{4 \times 4} = \frac{(5555 + 5555) \times (55 + 55) - 55 \times 5}{5 \times 5} = \frac{(6666 + 6666) \times (66 + 66) - 66 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7777) \times (77 + 77) - 77 \times 7}{7 \times 7} = \frac{(8888 + 8888) \times (88 + 88) - 88 \times 8}{8 \times 8} = \frac{(9999 + 9999) \times (99 + 99) - 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{488873} &:= \frac{(11111 + 11111) \times (11 + 11) - 11 \times 1}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 22) - 22 \times 2}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 33) - 33 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44444) \times (44 + 44) - 44 \times 4}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 55) - 55 \times 5}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 66) - 66 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77777) \times (77 + 77) - 77 \times 7}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 88) - 88 \times 8}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 99) - 99 \times 9}{9 \times 9} \end{aligned}$$

►

$$\textcolor{red}{474} := \frac{(111 + 111 + 11 + 1 + 1 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22 + 2 + 2 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33 + 3 + 3 + 3 + 3) \times (3 + 3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 444 + 44 + 4 + 4 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 + 5 + 5 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 + 6 + 6 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 77 + 7 + 7 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 + 8 + 8 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 + 9 + 9 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2474} &:= \frac{(1111 + 111 + 11 + 1 + 1 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 + 2 + 2 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 + 3 + 3 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44 + 4 + 4 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 + 5 + 5 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 + 6 + 6 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77 + 7 + 7 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 + 8 + 8 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 + 9 + 9 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22474} &:= \frac{(111111 + 111 + 11 + 1 + 1 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 + 2 + 2 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 + 3 + 3 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44 + 4 + 4 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 + 5 + 5 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 + 6 + 6 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77 + 7 + 7 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 + 8 + 8 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 + 9 + 9 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222474} &:= \frac{(1111111 + 111 + 11 + 1 + 1 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222222 + 222 + 22 + 2 + 2 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333333 + 333 + 33 + 3 + 3 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444444 + 444 + 44 + 4 + 4 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555555 + 555 + 55 + 5 + 5 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666666 + 666 + 66 + 6 + 6 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777777 + 777 + 77 + 7 + 7 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888888 + 888 + 88 + 8 + 8 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999999 + 999 + 99 + 9 + 9 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{475} &:= \frac{(111 + 111 + 11 - 1) \times (1 + 1) + 11 \times 1}{1 \times 1} = \frac{(222 + 222 + 22 - 2) \times (2 + 2) + 22 \times 2}{2 \times 2} = \frac{(333 + 333 + 33 - 3) \times (3 + 3) + 33 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444 + 44 - 4) \times (4 + 4) + 44 \times 4}{4 \times 4} = \frac{(555 + 555 + 55 - 5) \times (5 + 5) + 55 \times 5}{5 \times 5} = \frac{(666 + 666 + 66 - 6) \times (6 + 6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 77 - 7) \times (7 + 7) + 77 \times 7}{7 \times 7} = \frac{(888 + 888 + 88 - 8) \times (8 + 8) + 88 \times 8}{8 \times 8} = \frac{(999 + 999 + 99 - 9) \times (9 + 9) + 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2475} &:= \frac{(1111 + 111 + 11 - 1) \times (1 + 1) + 11 \times 1}{1 \times 1} = \frac{(2222 + 222 + 22 - 2) \times (2 + 2) + 22 \times 2}{2 \times 2} = \frac{(3333 + 333 + 33 - 3) \times (3 + 3) + 33 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44 - 4) \times (4 + 4) + 44 \times 4}{4 \times 4} = \frac{(5555 + 555 + 55 - 5) \times (5 + 5) + 55 \times 5}{5 \times 5} = \frac{(6666 + 666 + 66 - 6) \times (6 + 6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77 - 7) \times (7 + 7) + 77 \times 7}{7 \times 7} = \frac{(8888 + 888 + 88 - 8) \times (8 + 8) + 88 \times 8}{8 \times 8} = \frac{(9999 + 999 + 99 - 9) \times (9 + 9) + 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222475} &:= \frac{(11111 + 111 + 11 - 1) \times (1 + 1) + 11 \times 1}{1 \times 1} = \frac{(22222 + 222 + 22 - 2) \times (2 + 2) + 22 \times 2}{2 \times 2} = \frac{(33333 + 333 + 33 - 3) \times (3 + 3) + 33 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44 - 4) \times (4 + 4) + 44 \times 4}{4 \times 4} = \frac{(55555 + 555 + 55 - 5) \times (5 + 5) + 55 \times 5}{5 \times 5} = \frac{(66666 + 666 + 66 - 6) \times (6 + 6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77 - 7) \times (7 + 7) + 77 \times 7}{7 \times 7} = \frac{(88888 + 888 + 88 - 8) \times (8 + 8) + 88 \times 8}{8 \times 8} = \frac{(99999 + 999 + 99 - 9) \times (9 + 9) + 99 \times 9}{9 \times 9} \end{aligned}$$

222475

$$\begin{aligned} &:= \frac{(111111 + 111 + 11 - 1) \times (1 + 1) + 11 \times 1}{1 \times 1} = \frac{(222222 + 222 + 22 - 2) \times (2 + 2) + 22 \times 2}{2 \times 2} = \frac{(333333 + 333 + 33 - 3) \times (3 + 3) + 33 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44 - 4) \times (4 + 4) + 44 \times 4}{4 \times 4} = \frac{(555555 + 555 + 55 - 5) \times (5 + 5) + 55 \times 5}{5 \times 5} = \frac{(666666 + 666 + 66 - 6) \times (6 + 6) + 66 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77 - 7) \times (7 + 7) + 77 \times 7}{7 \times 7} = \frac{(888888 + 888 + 88 - 8) \times (8 + 8) + 88 \times 8}{8 \times 8} = \frac{(999999 + 999 + 99 - 9) \times (9 + 9) + 99 \times 9}{9 \times 9} \end{aligned}$$

476

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1) \times (11 + 11 + 11 + 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2) \times (22 + 22 + 22 + 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3) \times (33 + 33 + 33 + 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4) \times (44 + 44 + 44 + 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5) \times (55 + 55 + 55 + 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6) \times (66 + 66 + 66 + 6)}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7) \times (77 + 77 + 77 + 7)}{7 \times 7} = \frac{(88 + 8 + 8 + 8) \times (88 + 88 + 88 + 8)}{8 \times 8} = \frac{(99 + 9 + 9 + 9) \times (99 + 99 + 99 + 9)}{9 \times 9} \end{aligned}$$

4676

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1) \times (111 + 111 + 111 + 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2) \times (222 + 222 + 222 + 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3) \times (333 + 333 + 333 + 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4) \times (444 + 444 + 444 + 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5) \times (555 + 555 + 555 + 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6) \times (666 + 666 + 666 + 6)}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7) \times (777 + 777 + 777 + 7)}{7 \times 7} = \frac{(88 + 8 + 8 + 8) \times (888 + 888 + 888 + 8)}{8 \times 8} = \frac{(99 + 9 + 9 + 9) \times (999 + 999 + 999 + 9)}{9 \times 9} \end{aligned}$$

46676

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1) \times (1111 + 1111 + 1111 + 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2) \times (2222 + 2222 + 2222 + 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3) \times (3333 + 3333 + 3333 + 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4) \times (4444 + 4444 + 4444 + 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5) \times (5555 + 5555 + 5555 + 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6) \times (6666 + 6666 + 6666 + 6)}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7) \times (7777 + 7777 + 7777 + 7)}{7 \times 7} = \frac{(88 + 8 + 8 + 8) \times (8888 + 8888 + 8888 + 8)}{8 \times 8} = \frac{(99 + 9 + 9 + 9) \times (9999 + 9999 + 9999 + 9)}{9 \times 9} \end{aligned}$$

466676

$$\begin{aligned} &:= \frac{(11 + 1 + 1 + 1) \times (11111 + 11111 + 11111 + 1)}{1 \times 1} = \frac{(22 + 2 + 2 + 2) \times (22222 + 22222 + 22222 + 2)}{2 \times 2} = \frac{(33 + 3 + 3 + 3) \times (33333 + 33333 + 33333 + 3)}{3 \times 3} \\ &:= \frac{(44 + 4 + 4 + 4) \times (44444 + 44444 + 44444 + 4)}{4 \times 4} = \frac{(55 + 5 + 5 + 5) \times (55555 + 55555 + 55555 + 5)}{5 \times 5} = \frac{(66 + 6 + 6 + 6) \times (66666 + 66666 + 66666 + 6)}{6 \times 6} \\ &:= \frac{(77 + 7 + 7 + 7) \times (77777 + 77777 + 77777 + 7)}{7 \times 7} = \frac{(88 + 8 + 8 + 8) \times (88888 + 88888 + 88888 + 8)}{8 \times 8} = \frac{(99 + 9 + 9 + 9) \times (99999 + 99999 + 99999 + 9)}{9 \times 9} \end{aligned}$$

477

$$\begin{aligned} &:= \frac{(111 + 111 + 11) \times (1 + 1) + 1 \times 11}{1 \times 1} = \frac{(222 + 222 + 22) \times (2 + 2) + 2 \times 22}{2 \times 2} = \frac{(333 + 333 + 33) \times (3 + 3) + 3 \times 33}{3 \times 3} \\ &:= \frac{(444 + 444 + 44) \times (4 + 4) + 4 \times 44}{4 \times 4} = \frac{(555 + 555 + 55) \times (5 + 5) + 5 \times 55}{5 \times 5} = \frac{(666 + 666 + 66) \times (6 + 6) + 6 \times 66}{6 \times 6} \\ &:= \frac{(777 + 777 + 77) \times (7 + 7) + 7 \times 77}{7 \times 7} = \frac{(888 + 888 + 88) \times (8 + 8) + 8 \times 88}{8 \times 8} = \frac{(999 + 999 + 99) \times (9 + 9) + 9 \times 99}{9 \times 9} \end{aligned}$$

2477

$$\begin{aligned} &:= \frac{(1111 + 111 + 11) \times (1 + 1) + 1 \times 11}{1 \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2) + 2 \times 22}{2 \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3) + 3 \times 33}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44) \times (4 + 4) + 4 \times 44}{4 \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5) + 5 \times 55}{5 \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6) + 6 \times 66}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 777 + 77) \times (7 + 7) + 7 \times 77}{7 \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8) + 8 \times 88}{8 \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9) + 9 \times 99}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{22477} &:= \frac{(11111 + 111 + 11) \times (1 + 1) + 1 \times 11}{1 \times 1} = \frac{(22222 + 222 + 22) \times (2 + 2) + 2 \times 22}{2 \times 2} = \frac{(33333 + 333 + 33) \times (3 + 3) + 3 \times 33}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44) \times (4 + 4) + 4 \times 44}{4 \times 4} = \frac{(55555 + 555 + 55) \times (5 + 5) + 5 \times 55}{5 \times 5} = \frac{(66666 + 666 + 66) \times (6 + 6) + 6 \times 66}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77) \times (7 + 7) + 7 \times 77}{7 \times 7} = \frac{(88888 + 888 + 88) \times (8 + 8) + 8 \times 88}{8 \times 8} = \frac{(99999 + 999 + 99) \times (9 + 9) + 9 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222477} &:= \frac{(111111 + 111 + 11) \times (1 + 1) + 1 \times 11}{1 \times 1} = \frac{(222222 + 222 + 22) \times (2 + 2) + 2 \times 22}{2 \times 2} = \frac{(333333 + 333 + 33) \times (3 + 3) + 3 \times 33}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44) \times (4 + 4) + 4 \times 44}{4 \times 4} = \frac{(555555 + 555 + 55) \times (5 + 5) + 5 \times 55}{5 \times 5} = \frac{(666666 + 666 + 66) \times (6 + 6) + 6 \times 66}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77) \times (7 + 7) + 7 \times 77}{7 \times 7} = \frac{(888888 + 888 + 88) \times (8 + 8) + 8 \times 88}{8 \times 8} = \frac{(999999 + 999 + 99) \times (9 + 9) + 9 \times 99}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{478} &:= \frac{1111 - 111 - 11 - 11 - 11 - 11}{1 + 1} = \frac{2222 - 222 - 22 - 22 - 22 - 22}{2 + 2} = \frac{3333 - 333 - 33 - 33 - 33 - 33}{3 + 3} \\ &:= \frac{4444 - 444 - 44 - 44 - 44 - 44}{4 + 4} = \frac{5555 - 555 - 55 - 55 - 55 - 55}{5 + 5} = \frac{6666 - 666 - 66 - 66 - 66 - 66}{6 + 6} \\ &:= \frac{7777 - 777 - 77 - 77 - 77 - 77}{7 + 7} = \frac{8888 - 888 - 88 - 88 - 88 - 88}{8 + 8} = \frac{9999 - 999 - 99 - 99 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5478} &:= \frac{11111 - 111 - 11 - 11 - 11 - 11}{1 + 1} = \frac{22222 - 222 - 22 - 22 - 22 - 22}{2 + 2} = \frac{33333 - 333 - 33 - 33 - 33 - 33}{3 + 3} \\ &:= \frac{44444 - 444 - 44 - 44 - 44 - 44}{4 + 4} = \frac{55555 - 555 - 55 - 55 - 55 - 55}{5 + 5} = \frac{66666 - 666 - 66 - 66 - 66 - 66}{6 + 6} \\ &:= \frac{77777 - 777 - 77 - 77 - 77 - 77}{7 + 7} = \frac{88888 - 888 - 88 - 88 - 88 - 88}{8 + 8} = \frac{99999 - 999 - 99 - 99 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55478} &:= \frac{111111 - 111 - 11 - 11 - 11 - 11}{1 + 1} = \frac{222222 - 222 - 22 - 22 - 22 - 22}{2 + 2} = \frac{333333 - 333 - 33 - 33 - 33 - 33}{3 + 3} \\ &:= \frac{444444 - 444 - 44 - 44 - 44 - 44}{4 + 4} = \frac{555555 - 555 - 55 - 55 - 55 - 55}{5 + 5} = \frac{666666 - 666 - 66 - 66 - 66 - 66}{6 + 6} \\ &:= \frac{777777 - 777 - 77 - 77 - 77 - 77}{7 + 7} = \frac{888888 - 888 - 88 - 88 - 88 - 88}{8 + 8} = \frac{999999 - 999 - 99 - 99 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555478} &:= \frac{1111111 - 111 - 11 - 11 - 11 - 11}{1 + 1} = \frac{2222222 - 222 - 22 - 22 - 22 - 22}{2 + 2} = \frac{3333333 - 333 - 33 - 33 - 33 - 33}{3 + 3} \\ &:= \frac{4444444 - 444 - 44 - 44 - 44 - 44}{4 + 4} = \frac{5555555 - 555 - 55 - 55 - 55 - 55}{5 + 5} = \frac{6666666 - 666 - 66 - 66 - 66 - 66}{6 + 6} \\ &:= \frac{7777777 - 777 - 77 - 77 - 77 - 77}{7 + 7} = \frac{8888888 - 888 - 88 - 88 - 88 - 88}{8 + 8} = \frac{9999999 - 999 - 99 - 99 - 99 - 99}{9 + 9} \end{aligned}$$

►

$$\textcolor{red}{479} := \frac{(111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 11}{1 \times 1} = \frac{(222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 22}{2 \times 2} = \frac{(333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 33}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 44}{4 \times 4} = \frac{(555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 55}{5 \times 5} = \frac{(666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 66}{6 \times 6} \\ &:= \frac{(777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 77}{7 \times 7} = \frac{(888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 88}{8 \times 8} = \frac{(999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2479} &:= \frac{(1111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 11}{1 \times 1} = \frac{(2222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 22}{2 \times 2} = \frac{(3333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 33}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 44}{4 \times 4} = \frac{(5555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 55}{5 \times 5} = \frac{(6666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 66}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 77}{7 \times 7} = \frac{(8888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 88}{8 \times 8} = \frac{(9999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22479} &:= \frac{(11111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 11}{1 \times 1} = \frac{(22222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 22}{2 \times 2} = \frac{(33333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 33}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 44}{4 \times 4} = \frac{(55555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 55}{5 \times 5} = \frac{(66666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 66}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 77}{7 \times 7} = \frac{(88888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 88}{8 \times 8} = \frac{(99999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222479} &:= \frac{(111111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 11}{1 \times 1} = \frac{(222222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 22}{2 \times 2} = \frac{(333333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 33}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 44}{4 \times 4} = \frac{(555555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 55}{5 \times 5} = \frac{(666666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 66}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 77}{7 \times 7} = \frac{(888888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 88}{8 \times 8} = \frac{(999999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{480} &:= \frac{(111 + 111 + 11 + 1) \times (1 + 1) + 1 \times (11 + 1)}{1 \times 1} = \frac{(222 + 222 + 22 + 2) \times (2 + 2) + 2 \times (22 + 2)}{2 \times 2} = \frac{(333 + 333 + 33 + 3) \times (3 + 3) + 3 \times (33 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 44 + 4) \times (4 + 4) + 4 \times (44 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 + 5) \times (5 + 5) + 5 \times (55 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 + 6) \times (6 + 6) + 6 \times (66 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 77 + 7) \times (7 + 7) + 7 \times (77 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 + 8) \times (8 + 8) + 8 \times (88 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 + 9) \times (9 + 9) + 9 \times (99 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2480} &:= \frac{(1111 + 111 + 11 + 1) \times (1 + 1) + 1 \times (11 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 + 2) \times (2 + 2) + 2 \times (22 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 + 3) \times (3 + 3) + 3 \times (33 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44 + 4) \times (4 + 4) + 4 \times (44 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 + 5) \times (5 + 5) + 5 \times (55 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 + 6) \times (6 + 6) + 6 \times (66 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77 + 7) \times (7 + 7) + 7 \times (77 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 + 8) \times (8 + 8) + 8 \times (88 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 + 9) \times (9 + 9) + 9 \times (99 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222480} &:= \frac{(11111 + 111 + 11 + 1) \times (1 + 1) + 1 \times (11 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22 + 2) \times (2 + 2) + 2 \times (22 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33 + 3) \times (3 + 3) + 3 \times (33 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44 + 4) \times (4 + 4) + 4 \times (44 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55 + 5) \times (5 + 5) + 5 \times (55 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66 + 6) \times (6 + 6) + 6 \times (66 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77 + 7) \times (7 + 7) + 7 \times (77 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88 + 8) \times (8 + 8) + 8 \times (88 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99 + 9) \times (9 + 9) + 9 \times (99 + 9)}{9 \times 9} \end{aligned}$$

222480

$$\begin{aligned} &:= \frac{(111111 + 111 + 11 + 1) \times (1 + 1) + 1 \times (11 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 + 2) \times (2 + 2) + 2 \times (22 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 + 3) \times (3 + 3) + 3 \times (33 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44 + 4) \times (4 + 4) + 4 \times (44 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 + 5) \times (5 + 5) + 5 \times (55 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 + 6) \times (6 + 6) + 6 \times (66 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77 + 7) \times (7 + 7) + 7 \times (77 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 + 8) \times (8 + 8) + 8 \times (88 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 + 9) \times (9 + 9) + 9 \times (99 + 9)}{9 \times 9} \end{aligned}$$

481

$$\begin{aligned} &:= \frac{(11 + 1 + 1) \times 111}{(1 + 1 + 1) \times 1} = \frac{(22 + 2 + 2) \times 222}{(2 + 2 + 2) \times 2} = \frac{(33 + 3 + 3) \times 333}{(3 + 3 + 3) \times 3} = \frac{(44 + 4 + 4) \times 444}{(4 + 4 + 4) \times 4} = \frac{(55 + 5 + 5) \times 555}{(5 + 5 + 5) \times 5} = \frac{(66 + 6 + 6) \times 666}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77 + 7 + 7) \times 777}{(7 + 7 + 7) \times 7} = \frac{(88 + 8 + 8) \times 888}{(8 + 8 + 8) \times 8} = \frac{(99 + 9 + 9) \times 999}{(9 + 9 + 9) \times 9} \end{aligned}$$

4181

$$\begin{aligned} &:= \frac{(111 + 1 + 1) \times 111}{(1 + 1 + 1) \times 1} = \frac{(222 + 2 + 2) \times 222}{(2 + 2 + 2) \times 2} = \frac{(333 + 3 + 3) \times 333}{(3 + 3 + 3) \times 3} = \frac{(444 + 4 + 4) \times 444}{(4 + 4 + 4) \times 4} = \frac{(555 + 5 + 5) \times 555}{(5 + 5 + 5) \times 5} = \frac{(666 + 6 + 6) \times 666}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777 + 7 + 7) \times 777}{(7 + 7 + 7) \times 7} = \frac{(888 + 8 + 8) \times 888}{(8 + 8 + 8) \times 8} = \frac{(999 + 9 + 9) \times 999}{(9 + 9 + 9) \times 9} \end{aligned}$$

41181

$$\begin{aligned} &:= \frac{(1111 + 1 + 1) \times 111}{(1 + 1 + 1) \times 1} = \frac{(2222 + 2 + 2) \times 222}{(2 + 2 + 2) \times 2} = \frac{(3333 + 3 + 3) \times 333}{(3 + 3 + 3) \times 3} = \frac{(4444 + 4 + 4) \times 444}{(4 + 4 + 4) \times 4} = \frac{(5555 + 5 + 5) \times 555}{(5 + 5 + 5) \times 5} = \frac{(6666 + 6 + 6) \times 666}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 7 + 7) \times 777}{(7 + 7 + 7) \times 7} = \frac{(8888 + 8 + 8) \times 888}{(8 + 8 + 8) \times 8} = \frac{(9999 + 9 + 9) \times 999}{(9 + 9 + 9) \times 9} \end{aligned}$$

411181

$$\begin{aligned} &:= \frac{(11111 + 1 + 1) \times 111}{(1 + 1 + 1) \times 1} = \frac{(22222 + 2 + 2) \times 222}{(2 + 2 + 2) \times 2} = \frac{(33333 + 3 + 3) \times 333}{(3 + 3 + 3) \times 3} = \frac{(44444 + 4 + 4) \times 444}{(4 + 4 + 4) \times 4} = \frac{(55555 + 5 + 5) \times 555}{(5 + 5 + 5) \times 5} = \frac{(66666 + 6 + 6) \times 666}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 7 + 7) \times 777}{(7 + 7 + 7) \times 7} = \frac{(88888 + 8 + 8) \times 888}{(8 + 8 + 8) \times 8} = \frac{(99999 + 9 + 9) \times 999}{(9 + 9 + 9) \times 9} \end{aligned}$$

482

$$\begin{aligned} &:= \frac{(11 + 11) \times (11 + 11) - 1 \times (1 + 1)}{1 \times 1} = \frac{(22 + 22) \times (22 + 22) - 2 \times (2 + 2)}{2 \times 2} = \frac{(33 + 33) \times (33 + 33) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44) \times (44 + 44) - 4 \times (4 + 4)}{4 \times 4} = \frac{(55 + 55) \times (55 + 55) - 5 \times (5 + 5)}{5 \times 5} = \frac{(66 + 66) \times (66 + 66) - 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77) \times (77 + 77) - 7 \times (7 + 7)}{7 \times 7} = \frac{(88 + 88) \times (88 + 88) - 8 \times (8 + 8)}{8 \times 8} = \frac{(99 + 99) \times (99 + 99) - 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

4882

$$\begin{aligned} &:= \frac{(111 + 111) \times (11 + 11) - 1 \times (1 + 1)}{1 \times 1} = \frac{(222 + 222) \times (22 + 22) - 2 \times (2 + 2)}{2 \times 2} = \frac{(333 + 333) \times (33 + 33) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444) \times (44 + 44) - 4 \times (4 + 4)}{4 \times 4} = \frac{(555 + 555) \times (55 + 55) - 5 \times (5 + 5)}{5 \times 5} = \frac{(666 + 666) \times (66 + 66) - 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777) \times (77 + 77) - 7 \times (7 + 7)}{7 \times 7} = \frac{(888 + 888) \times (88 + 88) - 8 \times (8 + 8)}{8 \times 8} = \frac{(999 + 999) \times (99 + 99) - 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

48882

$$\begin{aligned} &:= \frac{(1111 + 1111) \times (11 + 11) - 1 \times (1 + 1)}{1 \times 1} = \frac{(2222 + 2222) \times (22 + 22) - 2 \times (2 + 2)}{2 \times 2} = \frac{(3333 + 3333) \times (33 + 33) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 4444) \times (44 + 44) - 4 \times (4 + 4)}{4 \times 4} = \frac{(5555 + 5555) \times (55 + 55) - 5 \times (5 + 5)}{5 \times 5} = \frac{(6666 + 6666) \times (66 + 66) - 6 \times (6 + 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 7777) \times (77 + 77) - 7 \times (7 + 7)}{7 \times 7} = \frac{(8888 + 8888) \times (88 + 88) - 8 \times (8 + 8)}{8 \times 8} = \frac{(9999 + 9999) \times (99 + 99) - 9 \times (9 + 9)}{9 \times 9}$$

488882

$$:= \frac{(11111 + 11111) \times (11 + 11) - 1 \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 22) - 2 \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 33) - 3 \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(44444 + 44444) \times (44 + 44) - 4 \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 55) - 5 \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 66) - 6 \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 77777) \times (77 + 77) - 7 \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 88) - 8 \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 99) - 9 \times (9 + 9)}{9 \times 9}$$

► 483

$$:= \frac{(11 + 11) \times (11 + 11) - 1 \times 1}{1 \times 1} = \frac{(22 + 22) \times (22 + 22) - 2 \times 2}{2 \times 2} = \frac{(33 + 33) \times (33 + 33) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44 + 44) \times (44 + 44) - 4 \times 4}{4 \times 4} = \frac{(55 + 55) \times (55 + 55) - 5 \times 5}{5 \times 5} = \frac{(66 + 66) \times (66 + 66) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77 + 77) \times (77 + 77) - 7 \times 7}{7 \times 7} = \frac{(88 + 88) \times (88 + 88) - 8 \times 8}{8 \times 8} = \frac{(99 + 99) \times (99 + 99) - 9 \times 9}{9 \times 9}$$

4883

$$:= \frac{(111 + 111) \times (11 + 11) - 1 \times 1}{1 \times 1} = \frac{(222 + 222) \times (22 + 22) - 2 \times 2}{2 \times 2} = \frac{(333 + 333) \times (33 + 33) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(444 + 444) \times (44 + 44) - 4 \times 4}{4 \times 4} = \frac{(555 + 555) \times (55 + 55) - 5 \times 5}{5 \times 5} = \frac{(666 + 666) \times (66 + 66) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 777) \times (77 + 77) - 7 \times 7}{7 \times 7} = \frac{(888 + 888) \times (88 + 88) - 8 \times 8}{8 \times 8} = \frac{(999 + 999) \times (99 + 99) - 9 \times 9}{9 \times 9}$$

48883

$$:= \frac{(1111 + 1111) \times (11 + 11) - 1 \times 1}{1 \times 1} = \frac{(2222 + 2222) \times (22 + 22) - 2 \times 2}{2 \times 2} = \frac{(3333 + 3333) \times (33 + 33) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(4444 + 4444) \times (44 + 44) - 4 \times 4}{4 \times 4} = \frac{(5555 + 5555) \times (55 + 55) - 5 \times 5}{5 \times 5} = \frac{(6666 + 6666) \times (66 + 66) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 7777) \times (77 + 77) - 7 \times 7}{7 \times 7} = \frac{(8888 + 8888) \times (88 + 88) - 8 \times 8}{8 \times 8} = \frac{(9999 + 9999) \times (99 + 99) - 9 \times 9}{9 \times 9}$$

488883

$$:= \frac{(11111 + 11111) \times (11 + 11) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 22) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 33) - 3 \times 3}{3 \times 3}$$
$$:= \frac{(44444 + 44444) \times (44 + 44) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 55) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 66) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 77777) \times (77 + 77) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 88) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 99) - 9 \times 9}{9 \times 9}$$

► 484

$$:= \frac{(11 + 11) \times (11 + 11)}{1 \times 1} = \frac{(22 + 22) \times (22 + 22)}{2 \times 2} = \frac{(33 + 33) \times (33 + 33)}{3 \times 3}$$
$$:= \frac{(44 + 44) \times (44 + 44)}{4 \times 4} = \frac{(55 + 55) \times (55 + 55)}{5 \times 5} = \frac{(66 + 66) \times (66 + 66)}{6 \times 6}$$
$$:= \frac{(77 + 77) \times (77 + 77)}{7 \times 7} = \frac{(88 + 88) \times (88 + 88)}{8 \times 8} = \frac{(99 + 99) \times (99 + 99)}{9 \times 9}$$

4884

$$\begin{aligned} &:= \frac{(111 + 111) \times (11 + 11)}{1 \times 1} = \frac{(222 + 222) \times (22 + 22)}{2 \times 2} = \frac{(333 + 333) \times (33 + 33)}{3 \times 3} \\ &:= \frac{(444 + 444) \times (44 + 44)}{4 \times 4} = \frac{(555 + 555) \times (55 + 55)}{5 \times 5} = \frac{(666 + 666) \times (66 + 66)}{6 \times 6} \\ &:= \frac{(777 + 777) \times (77 + 77)}{7 \times 7} = \frac{(888 + 888) \times (88 + 88)}{8 \times 8} = \frac{(999 + 999) \times (99 + 99)}{9 \times 9} \end{aligned}$$

48884

$$\begin{aligned} &:= \frac{(1111 + 1111) \times (11 + 11)}{1 \times 1} = \frac{(2222 + 2222) \times (22 + 22)}{2 \times 2} = \frac{(3333 + 3333) \times (33 + 33)}{3 \times 3} \\ &:= \frac{(4444 + 4444) \times (44 + 44)}{4 \times 4} = \frac{(5555 + 5555) \times (55 + 55)}{5 \times 5} = \frac{(6666 + 6666) \times (66 + 66)}{6 \times 6} \\ &:= \frac{(7777 + 7777) \times (77 + 77)}{7 \times 7} = \frac{(8888 + 8888) \times (88 + 88)}{8 \times 8} = \frac{(9999 + 9999) \times (99 + 99)}{9 \times 9} \end{aligned}$$

488884

$$\begin{aligned} &:= \frac{(11111 + 11111) \times (11 + 11)}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 22)}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 33)}{3 \times 3} \\ &:= \frac{(44444 + 44444) \times (44 + 44)}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 55)}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 66)}{6 \times 6} \\ &:= \frac{(77777 + 77777) \times (77 + 77)}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 88)}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 99)}{9 \times 9} \end{aligned}$$

485

$$\begin{aligned} &:= \frac{(11 + 11) \times (11 + 11) + 1 \times 1}{1 \times 1} = \frac{(22 + 22) \times (22 + 22) + 2 \times 2}{2 \times 2} = \frac{(33 + 33) \times (33 + 33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44) \times (44 + 44) + 4 \times 4}{4 \times 4} = \frac{(55 + 55) \times (55 + 55) + 5 \times 5}{5 \times 5} = \frac{(66 + 66) \times (66 + 66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77) \times (77 + 77) + 7 \times 7}{7 \times 7} = \frac{(88 + 88) \times (88 + 88) + 8 \times 8}{8 \times 8} = \frac{(99 + 99) \times (99 + 99) + 9 \times 9}{9 \times 9} \end{aligned}$$

4885

$$\begin{aligned} &:= \frac{(111 + 111) \times (11 + 11) + 1 \times 1}{1 \times 1} = \frac{(222 + 222) \times (22 + 22) + 2 \times 2}{2 \times 2} = \frac{(333 + 333) \times (33 + 33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444) \times (44 + 44) + 4 \times 4}{4 \times 4} = \frac{(555 + 555) \times (55 + 55) + 5 \times 5}{5 \times 5} = \frac{(666 + 666) \times (66 + 66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777) \times (77 + 77) + 7 \times 7}{7 \times 7} = \frac{(888 + 888) \times (88 + 88) + 8 \times 8}{8 \times 8} = \frac{(999 + 999) \times (99 + 99) + 9 \times 9}{9 \times 9} \end{aligned}$$

48885

$$\begin{aligned} &:= \frac{(1111 + 1111) \times (11 + 11) + 1 \times 1}{1 \times 1} = \frac{(2222 + 2222) \times (22 + 22) + 2 \times 2}{2 \times 2} = \frac{(3333 + 3333) \times (33 + 33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4444) \times (44 + 44) + 4 \times 4}{4 \times 4} = \frac{(5555 + 5555) \times (55 + 55) + 5 \times 5}{5 \times 5} = \frac{(6666 + 6666) \times (66 + 66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7777) \times (77 + 77) + 7 \times 7}{7 \times 7} = \frac{(8888 + 8888) \times (88 + 88) + 8 \times 8}{8 \times 8} = \frac{(9999 + 9999) \times (99 + 99) + 9 \times 9}{9 \times 9} \end{aligned}$$

488885

$$\begin{aligned} &:= \frac{(11111 + 11111) \times (11 + 11) + 1 \times 1}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 22) + 2 \times 2}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44444) \times (44 + 44) + 4 \times 4}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 55) + 5 \times 5}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77777) \times (77 + 77) + 7 \times 7}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 88) + 8 \times 8}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 99) + 9 \times 9}{9 \times 9} \end{aligned}$$

►

486

$$\begin{aligned} &:= \frac{(11+11) \times (11+11) + 1 \times (1+1)}{1 \times 1} = \frac{(22+22) \times (22+22) + 2 \times (2+2)}{2 \times 2} = \frac{(33+33) \times (33+33) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44) \times (44+44) + 4 \times (4+4)}{4 \times 4} = \frac{(55+55) \times (55+55) + 5 \times (5+5)}{5 \times 5} = \frac{(66+66) \times (66+66) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77) \times (77+77) + 7 \times (7+7)}{7 \times 7} = \frac{(88+88) \times (88+88) + 8 \times (8+8)}{8 \times 8} = \frac{(99+99) \times (99+99) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

4886

$$\begin{aligned} &:= \frac{(111+111) \times (11+11) + 1 \times (1+1)}{1 \times 1} = \frac{(222+222) \times (22+22) + 2 \times (2+2)}{2 \times 2} = \frac{(333+333) \times (33+33) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(444+444) \times (44+44) + 4 \times (4+4)}{4 \times 4} = \frac{(555+555) \times (55+55) + 5 \times (5+5)}{5 \times 5} = \frac{(666+666) \times (66+66) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777+777) \times (77+77) + 7 \times (7+7)}{7 \times 7} = \frac{(888+888) \times (88+88) + 8 \times (8+8)}{8 \times 8} = \frac{(999+999) \times (99+99) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

48886

$$\begin{aligned} &:= \frac{(1111+1111) \times (11+11) + 1 \times (1+1)}{1 \times 1} = \frac{(2222+2222) \times (22+22) + 2 \times (2+2)}{2 \times 2} = \frac{(3333+3333) \times (33+33) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(4444+4444) \times (44+44) + 4 \times (4+4)}{4 \times 4} = \frac{(5555+5555) \times (55+55) + 5 \times (5+5)}{5 \times 5} = \frac{(6666+6666) \times (66+66) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(7777+7777) \times (77+77) + 7 \times (7+7)}{7 \times 7} = \frac{(8888+8888) \times (88+88) + 8 \times (8+8)}{8 \times 8} = \frac{(9999+9999) \times (99+99) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

488886

$$\begin{aligned} &:= \frac{(11111+11111) \times (11+11) + 1 \times (1+1)}{1 \times 1} = \frac{(22222+22222) \times (22+22) + 2 \times (2+2)}{2 \times 2} = \frac{(33333+33333) \times (33+33) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44444+44444) \times (44+44) + 4 \times (4+4)}{4 \times 4} = \frac{(55555+55555) \times (55+55) + 5 \times (5+5)}{5 \times 5} = \frac{(66666+66666) \times (66+66) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77777+77777) \times (77+77) + 7 \times (7+7)}{7 \times 7} = \frac{(88888+88888) \times (88+88) + 8 \times (8+8)}{8 \times 8} = \frac{(99999+99999) \times (99+99) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

►

487

$$\begin{aligned} &:= \frac{(11+11) \times (11+11) + 1 \times (1+1+1)}{1 \times 1} = \frac{(22+22) \times (22+22) + 2 \times (2+2+2)}{2 \times 2} = \frac{(33+33) \times (33+33) + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44+44) \times (44+44) + 4 \times (4+4+4)}{4 \times 4} = \frac{(55+55) \times (55+55) + 5 \times (5+5+5)}{5 \times 5} = \frac{(66+66) \times (66+66) + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77+77) \times (77+77) + 7 \times (7+7+7)}{7 \times 7} = \frac{(88+88) \times (88+88) + 8 \times (8+8+8)}{8 \times 8} = \frac{(99+99) \times (99+99) + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

4887

$$\begin{aligned} &:= \frac{(111+111) \times (11+11) + 1 \times (1+1+1)}{1 \times 1} = \frac{(222+222) \times (22+22) + 2 \times (2+2+2)}{2 \times 2} = \frac{(333+333) \times (33+33) + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(444+444) \times (44+44) + 4 \times (4+4+4)}{4 \times 4} = \frac{(555+555) \times (55+55) + 5 \times (5+5+5)}{5 \times 5} = \frac{(666+666) \times (66+66) + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777+777) \times (77+77) + 7 \times (7+7+7)}{7 \times 7} = \frac{(888+888) \times (88+88) + 8 \times (8+8+8)}{8 \times 8} = \frac{(999+999) \times (99+99) + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

48887

$$\begin{aligned} &:= \frac{(1111+1111) \times (11+11) + 1 \times (1+1+1)}{1 \times 1} = \frac{(2222+2222) \times (22+22) + 2 \times (2+2+2)}{2 \times 2} = \frac{(3333+3333) \times (33+33) + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(4444+4444) \times (44+44) + 4 \times (4+4+4)}{4 \times 4} = \frac{(5555+5555) \times (55+55) + 5 \times (5+5+5)}{5 \times 5} = \frac{(6666+6666) \times (66+66) + 6 \times (6+6+6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 7777) \times (77 + 77) + 7 \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 8888) \times (88 + 88) + 8 \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 9999) \times (99 + 99) + 9 \times (9 + 9 + 9)}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{488887} &:= \frac{(11111 + 11111) \times (11 + 11) + 1 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 22222) \times (22 + 22) + 2 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 33333) \times (33 + 33) + 3 \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44444) \times (44 + 44) + 4 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 55555) \times (55 + 55) + 5 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 66666) \times (66 + 66) + 6 \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77777) \times (77 + 77) + 7 \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 88888) \times (88 + 88) + 8 \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 99999) \times (99 + 99) + 9 \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{488} &:= \frac{1111 - 111 - 11 - 11 - 1 - 1}{1 + 1} = \frac{2222 - 222 - 22 - 22 - 2 - 2}{2 + 2} = \frac{3333 - 333 - 33 - 33 - 3 - 3}{3 + 3} \\ &:= \frac{4444 - 444 - 44 - 44 - 4 - 4}{4 + 4} = \frac{5555 - 555 - 55 - 55 - 5 - 5}{5 + 5} = \frac{6666 - 666 - 66 - 66 - 6 - 6}{6 + 6} \\ &:= \frac{7777 - 777 - 77 - 77 - 7 - 7}{7 + 7} = \frac{8888 - 888 - 88 - 88 - 8 - 8}{8 + 8} = \frac{9999 - 999 - 99 - 99 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5488} &:= \frac{11111 - 111 - 11 - 11 - 1 - 1}{1 + 1} = \frac{22222 - 222 - 22 - 22 - 2 - 2}{2 + 2} = \frac{33333 - 333 - 33 - 33 - 3 - 3}{3 + 3} \\ &:= \frac{44444 - 444 - 44 - 44 - 4 - 4}{4 + 4} = \frac{55555 - 555 - 55 - 55 - 5 - 5}{5 + 5} = \frac{66666 - 666 - 66 - 66 - 6 - 6}{6 + 6} \\ &:= \frac{77777 - 777 - 77 - 77 - 7 - 7}{7 + 7} = \frac{88888 - 888 - 88 - 88 - 8 - 8}{8 + 8} = \frac{99999 - 999 - 99 - 99 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55488} &:= \frac{111111 - 111 - 11 - 11 - 1 - 1}{1 + 1} = \frac{222222 - 222 - 22 - 22 - 2 - 2}{2 + 2} = \frac{333333 - 333 - 33 - 33 - 3 - 3}{3 + 3} \\ &:= \frac{444444 - 444 - 44 - 44 - 4 - 4}{4 + 4} = \frac{555555 - 555 - 55 - 55 - 5 - 5}{5 + 5} = \frac{666666 - 666 - 66 - 66 - 6 - 6}{6 + 6} \\ &:= \frac{777777 - 777 - 77 - 77 - 7 - 7}{7 + 7} = \frac{888888 - 888 - 88 - 88 - 8 - 8}{8 + 8} = \frac{999999 - 999 - 99 - 99 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555488} &:= \frac{1111111 - 111 - 11 - 11 - 1 - 1}{1 + 1} = \frac{2222222 - 222 - 22 - 22 - 2 - 2}{2 + 2} = \frac{3333333 - 333 - 33 - 33 - 3 - 3}{3 + 3} \\ &:= \frac{4444444 - 444 - 44 - 44 - 4 - 4}{4 + 4} = \frac{5555555 - 555 - 55 - 55 - 5 - 5}{5 + 5} = \frac{6666666 - 666 - 66 - 66 - 6 - 6}{6 + 6} \\ &:= \frac{7777777 - 777 - 77 - 77 - 7 - 7}{7 + 7} = \frac{8888888 - 888 - 88 - 88 - 8 - 8}{8 + 8} = \frac{9999999 - 999 - 99 - 99 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{489} &:= \frac{1111 - 111 - 11 - 11}{1 + 1} = \frac{2222 - 222 - 22 - 22}{2 + 2} = \frac{3333 - 333 - 33 - 33}{3 + 3} \\ &:= \frac{4444 - 444 - 44 - 44}{4 + 4} = \frac{5555 - 555 - 55 - 55}{5 + 5} = \frac{6666 - 666 - 66 - 66}{6 + 6} \\ &:= \frac{7777 - 777 - 77 - 77}{7 + 7} = \frac{8888 - 888 - 88 - 88}{8 + 8} = \frac{9999 - 999 - 99 - 99}{9 + 9} \end{aligned}$$

$$\textcolor{red}{5489} := \frac{11111 - 111 - 11 - 11}{1 + 1} = \frac{22222 - 222 - 22 - 22}{2 + 2} = \frac{33333 - 333 - 33 - 33}{3 + 3}$$

$$\begin{aligned} &:= \frac{44444 - 444 - 44 - 44}{4 + 4} = \frac{55555 - 555 - 55 - 55}{5 + 5} = \frac{66666 - 666 - 66 - 66}{6 + 6} \\ &:= \frac{77777 - 777 - 77 - 77}{7 + 7} = \frac{88888 - 888 - 88 - 88}{8 + 8} = \frac{99999 - 999 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55489} &:= \frac{111111 - 111 - 11 - 11}{1 + 1} = \frac{222222 - 222 - 22 - 22}{2 + 2} = \frac{333333 - 333 - 33 - 33}{3 + 3} \\ &:= \frac{444444 - 444 - 44 - 44}{4 + 4} = \frac{555555 - 555 - 55 - 55}{5 + 5} = \frac{666666 - 666 - 66 - 66}{6 + 6} \\ &:= \frac{777777 - 777 - 77 - 77}{7 + 7} = \frac{888888 - 888 - 88 - 88}{8 + 8} = \frac{999999 - 999 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555489} &:= \frac{1111111 - 111 - 11 - 11}{1 + 1} = \frac{2222222 - 222 - 22 - 22}{2 + 2} = \frac{3333333 - 333 - 33 - 33}{3 + 3} \\ &:= \frac{4444444 - 444 - 44 - 44}{4 + 4} = \frac{5555555 - 555 - 55 - 55}{5 + 5} = \frac{6666666 - 666 - 66 - 66}{6 + 6} \\ &:= \frac{7777777 - 777 - 77 - 77}{7 + 7} = \frac{8888888 - 888 - 88 - 88}{8 + 8} = \frac{9999999 - 999 - 99 - 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{490} &:= \frac{1111 - 111 - 11 - 11 + 1 + 1}{1 + 1} = \frac{2222 - 222 - 22 - 22 + 2 + 2}{2 + 2} = \frac{3333 - 333 - 33 - 33 + 3 + 3}{3 + 3} \\ &:= \frac{4444 - 444 - 44 - 44 + 4 + 4}{4 + 4} = \frac{5555 - 555 - 55 - 55 + 5 + 5}{5 + 5} = \frac{6666 - 666 - 66 - 66 + 6 + 6}{6 + 6} \\ &:= \frac{7777 - 777 - 77 - 77 + 7 + 7}{7 + 7} = \frac{8888 - 888 - 88 - 88 + 8 + 8}{8 + 8} = \frac{9999 - 999 - 99 - 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5490} &:= \frac{11111 - 111 - 11 - 11 + 1 + 1}{1 + 1} = \frac{22222 - 222 - 22 - 22 + 2 + 2}{2 + 2} = \frac{33333 - 333 - 33 - 33 + 3 + 3}{3 + 3} \\ &:= \frac{44444 - 444 - 44 - 44 + 4 + 4}{4 + 4} = \frac{55555 - 555 - 55 - 55 + 5 + 5}{5 + 5} = \frac{66666 - 666 - 66 - 66 + 6 + 6}{6 + 6} \\ &:= \frac{77777 - 777 - 77 - 77 + 7 + 7}{7 + 7} = \frac{88888 - 888 - 88 - 88 + 8 + 8}{8 + 8} = \frac{99999 - 999 - 99 - 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55490} &:= \frac{111111 - 111 - 11 - 11 + 1 + 1}{1 + 1} = \frac{222222 - 222 - 22 - 22 + 2 + 2}{2 + 2} = \frac{333333 - 333 - 33 - 33 + 3 + 3}{3 + 3} \\ &:= \frac{444444 - 444 - 44 - 44 + 4 + 4}{4 + 4} = \frac{555555 - 555 - 55 - 55 + 5 + 5}{5 + 5} = \frac{666666 - 666 - 66 - 66 + 6 + 6}{6 + 6} \\ &:= \frac{777777 - 777 - 77 - 77 + 7 + 7}{7 + 7} = \frac{888888 - 888 - 88 - 88 + 8 + 8}{8 + 8} = \frac{999999 - 999 - 99 - 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555490} &:= \frac{1111111 - 111 - 11 - 11 + 1 + 1}{1 + 1} = \frac{2222222 - 222 - 22 - 22 + 2 + 2}{2 + 2} = \frac{3333333 - 333 - 33 - 33 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 - 444 - 44 - 44 + 4 + 4}{4 + 4} = \frac{5555555 - 555 - 55 - 55 + 5 + 5}{5 + 5} = \frac{6666666 - 666 - 66 - 66 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 - 777 - 77 - 77 + 7 + 7}{7 + 7} = \frac{8888888 - 888 - 88 - 88 + 8 + 8}{8 + 8} = \frac{9999999 - 999 - 99 - 99 + 9 + 9}{9 + 9} \end{aligned}$$

►

491

$$:= \frac{1111 - 111 - 11 - 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222 - 222 - 22 - 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333 - 333 - 33 - 33 + 3 + 3 + 3 + 3}{3 + 3}$$

$$:= \frac{4444 - 444 - 44 - 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555 - 555 - 55 - 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666 - 666 - 66 - 66 + 6 + 6 + 6 + 6}{6 + 6}$$

$$:= \frac{7777 - 777 - 77 - 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888 - 888 - 88 - 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999 - 999 - 99 - 99 + 9 + 9 + 9 + 9}{9 + 9}$$

5491

$$:= \frac{11111 - 111 - 11 - 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{22222 - 222 - 22 - 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{33333 - 333 - 33 - 33 + 3 + 3 + 3 + 3}{3 + 3}$$

$$:= \frac{44444 - 444 - 44 - 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{55555 - 555 - 55 - 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{66666 - 666 - 66 - 66 + 6 + 6 + 6 + 6}{6 + 6}$$

$$:= \frac{77777 - 777 - 77 - 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{88888 - 888 - 88 - 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{99999 - 999 - 99 - 99 + 9 + 9 + 9 + 9}{9 + 9}$$

55491

$$:= \frac{111111 - 111 - 11 - 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{222222 - 222 - 22 - 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{333333 - 333 - 33 - 33 + 3 + 3 + 3 + 3}{3 + 3}$$

$$:= \frac{444444 - 444 - 44 - 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{555555 - 555 - 55 - 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{666666 - 666 - 66 - 66 + 6 + 6 + 6 + 6}{6 + 6}$$

$$:= \frac{777777 - 777 - 77 - 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{888888 - 888 - 88 - 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{999999 - 999 - 99 - 99 + 9 + 9 + 9 + 9}{9 + 9}$$

555491

$$:= \frac{1111111 - 111 - 11 - 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222222 - 222 - 22 - 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333333 - 333 - 33 - 33 + 3 + 3 + 3 + 3}{3 + 3}$$

$$:= \frac{4444444 - 444 - 44 - 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555555 - 555 - 55 - 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666666 - 666 - 66 - 66 + 6 + 6 + 6 + 6}{6 + 6}$$

$$:= \frac{7777777 - 777 - 77 - 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888888 - 888 - 88 - 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999999 - 999 - 99 - 99 + 9 + 9 + 9 + 9}{9 + 9}$$

►

492

$$:= \frac{(111 + 11 + 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 22 + 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 33 + 3) \times (33 + 3)}{(3 + 3 + 3) \times 3}$$

$$:= \frac{(444 + 44 + 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 55 + 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 66 + 6) \times (66 + 6)}{(6 + 6 + 6) \times 6}$$

$$:= \frac{(777 + 77 + 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 88 + 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 99 + 9) \times (99 + 9)}{(9 + 9 + 9) \times 9}$$

4492

$$:= \frac{(1111 + 11 + 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 22 + 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 33 + 3) \times (33 + 3)}{(3 + 3 + 3) \times 3}$$

$$:= \frac{(4444 + 44 + 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 55 + 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 66 + 6) \times (66 + 6)}{(6 + 6 + 6) \times 6}$$

$$:= \frac{(7777 + 77 + 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 88 + 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 99 + 9) \times (99 + 9)}{(9 + 9 + 9) \times 9}$$

44492

$$:= \frac{(11111 + 11 + 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 22 + 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 33 + 3) \times (33 + 3)}{(3 + 3 + 3) \times 3}$$

$$:= \frac{(44444 + 44 + 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55 + 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66 + 6) \times (66 + 6)}{(6 + 6 + 6) \times 6}$$

$$:= \frac{(77777 + 77 + 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88 + 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99 + 9) \times (99 + 9)}{(9 + 9 + 9) \times 9}$$

$$:= \frac{77777-777-77-7}{7+7} = \frac{88888-888-88-8}{8+8} = \frac{99999-999-99-9}{9+9}$$

$$\begin{aligned} \textcolor{red}{55494} &:= \frac{111111-111-11-1}{1+1} = \frac{222222-222-22-2}{2+2} = \frac{333333-333-33-3}{3+3} \\ &:= \frac{444444-444-44-4}{4+4} = \frac{555555-555-55-5}{5+5} = \frac{666666-666-66-6}{6+6} \\ &:= \frac{777777-777-77-7}{7+7} = \frac{888888-888-88-8}{8+8} = \frac{999999-999-99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555494} &:= \frac{1111111-111-11-1}{1+1} = \frac{2222222-222-22-2}{2+2} = \frac{3333333-333-33-3}{3+3} \\ &:= \frac{4444444-444-44-4}{4+4} = \frac{5555555-555-55-5}{5+5} = \frac{6666666-666-66-6}{6+6} \\ &:= \frac{7777777-777-77-7}{7+7} = \frac{8888888-888-88-8}{8+8} = \frac{9999999-999-99-9}{9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{495} &:= \frac{1111-111-11+1}{1+1} = \frac{2222-222-22+2}{2+2} = \frac{3333-333-33+3}{3+3} \\ &:= \frac{4444-444-44+4}{4+4} = \frac{5555-555-55+5}{5+5} = \frac{6666-666-66+6}{6+6} \\ &:= \frac{7777-777-77+7}{7+7} = \frac{8888-888-88+8}{8+8} = \frac{9999-999-99+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5495} &:= \frac{11111-111-11+1}{1+1} = \frac{22222-222-22+2}{2+2} = \frac{33333-333-33+3}{3+3} \\ &:= \frac{44444-444-44+4}{4+4} = \frac{55555-555-55+5}{5+5} = \frac{66666-666-66+6}{6+6} \\ &:= \frac{77777-777-77+7}{7+7} = \frac{88888-888-88+8}{8+8} = \frac{99999-999-99+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55495} &:= \frac{111111-111-11+1}{1+1} = \frac{222222-222-22+2}{2+2} = \frac{333333-333-33+3}{3+3} \\ &:= \frac{444444-444-44+4}{4+4} = \frac{555555-555-55+5}{5+5} = \frac{666666-666-66+6}{6+6} \\ &:= \frac{777777-777-77+7}{7+7} = \frac{888888-888-88+8}{8+8} = \frac{999999-999-99+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555495} &:= \frac{1111111-111-11+1}{1+1} = \frac{2222222-222-22+2}{2+2} = \frac{3333333-333-33+3}{3+3} \\ &:= \frac{4444444-444-44+4}{4+4} = \frac{5555555-555-55+5}{5+5} = \frac{6666666-666-66+6}{6+6} \\ &:= \frac{7777777-777-77+7}{7+7} = \frac{8888888-888-88+8}{8+8} = \frac{9999999-999-99+9}{9+9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{496} := \frac{1111-111-11+1+1+1}{1+1} = \frac{2222-222-22+2+2+2}{2+2} = \frac{3333-333-33+3+3+3}{3+3}$$

$$\begin{aligned} &:= \frac{4444 - 444 - 44 + 4 + 4 + 4}{4 + 4} = \frac{5555 - 555 - 55 + 5 + 5 + 5}{5 + 5} = \frac{6666 - 666 - 66 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777 - 777 - 77 + 7 + 7 + 7}{7 + 7} = \frac{8888 - 888 - 88 + 8 + 8 + 8}{8 + 8} = \frac{9999 - 999 - 99 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5496} &:= \frac{11111 - 111 - 11 + 1 + 1 + 1}{1 + 1} = \frac{22222 - 222 - 22 + 2 + 2 + 2}{2 + 2} = \frac{33333 - 333 - 33 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{44444 - 444 - 44 + 4 + 4 + 4}{4 + 4} = \frac{55555 - 555 - 55 + 5 + 5 + 5}{5 + 5} = \frac{66666 - 666 - 66 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{77777 - 777 - 77 + 7 + 7 + 7}{7 + 7} = \frac{88888 - 888 - 88 + 8 + 8 + 8}{8 + 8} = \frac{99999 - 999 - 99 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55496} &:= \frac{111111 - 111 - 11 + 1 + 1 + 1}{1 + 1} = \frac{222222 - 222 - 22 + 2 + 2 + 2}{2 + 2} = \frac{333333 - 333 - 33 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{444444 - 444 - 44 + 4 + 4 + 4}{4 + 4} = \frac{555555 - 555 - 55 + 5 + 5 + 5}{5 + 5} = \frac{666666 - 666 - 66 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{777777 - 777 - 77 + 7 + 7 + 7}{7 + 7} = \frac{888888 - 888 - 88 + 8 + 8 + 8}{8 + 8} = \frac{999999 - 999 - 99 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555496} &:= \frac{1111111 - 111 - 11 + 1 + 1 + 1}{1 + 1} = \frac{2222222 - 222 - 22 + 2 + 2 + 2}{2 + 2} = \frac{3333333 - 333 - 33 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 - 444 - 44 + 4 + 4 + 4}{4 + 4} = \frac{5555555 - 555 - 55 + 5 + 5 + 5}{5 + 5} = \frac{6666666 - 666 - 66 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 - 777 - 77 + 7 + 7 + 7}{7 + 7} = \frac{8888888 - 888 - 88 + 8 + 8 + 8}{8 + 8} = \frac{9999999 - 999 - 99 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{497} &:= \frac{1111 - 111 - 1 - 1 - 1 - 1 - 1 - 1}{1 + 1} = \frac{2222 - 222 - 2 - 2 - 2 - 2 - 2 - 2}{2 + 2} = \frac{3333 - 333 - 3 - 3 - 3 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{4444 - 444 - 4 - 4 - 4 - 4 - 4 - 4}{4 + 4} = \frac{5555 - 555 - 5 - 5 - 5 - 5 - 5 - 5}{5 + 5} = \frac{6666 - 666 - 6 - 6 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{7777 - 777 - 7 - 7 - 7 - 7 - 7 - 7}{7 + 7} = \frac{8888 - 888 - 8 - 8 - 8 - 8 - 8 - 8}{8 + 8} = \frac{9999 - 999 - 9 - 9 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{4997} &:= \frac{11111 - 1111 - 1 - 1 - 1 - 1 - 1 - 1}{1 + 1} = \frac{22222 - 2222 - 2 - 2 - 2 - 2 - 2 - 2}{2 + 2} = \frac{33333 - 3333 - 3 - 3 - 3 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{44444 - 4444 - 4 - 4 - 4 - 4 - 4 - 4}{4 + 4} = \frac{55555 - 5555 - 5 - 5 - 5 - 5 - 5 - 5}{5 + 5} = \frac{66666 - 6666 - 6 - 6 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{77777 - 7777 - 7 - 7 - 7 - 7 - 7 - 7}{7 + 7} = \frac{88888 - 8888 - 8 - 8 - 8 - 8 - 8 - 8}{8 + 8} = \frac{99999 - 9999 - 9 - 9 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{49997} &:= \frac{111111 - 11111 - 1 - 1 - 1 - 1 - 1 - 1}{1 + 1} = \frac{222222 - 22222 - 2 - 2 - 2 - 2 - 2 - 2}{2 + 2} = \frac{333333 - 33333 - 3 - 3 - 3 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{444444 - 44444 - 4 - 4 - 4 - 4 - 4 - 4}{4 + 4} = \frac{555555 - 55555 - 5 - 5 - 5 - 5 - 5 - 5}{5 + 5} = \frac{666666 - 66666 - 6 - 6 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{777777 - 77777 - 7 - 7 - 7 - 7 - 7 - 7}{7 + 7} = \frac{888888 - 88888 - 8 - 8 - 8 - 8 - 8 - 8}{8 + 8} = \frac{999999 - 99999 - 9 - 9 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

499997 :=
$$\frac{1111111-111111-1-1-1-1-1-1}{1+1} = \frac{2222222-222222-2-2-2-2-2-2}{2+2} = \frac{3333333-333333-3-3-3-3-3-3}{3+3}$$
$$:= \frac{4444444-444444-4-4-4-4-4-4}{4+4} = \frac{5555555-555555-5-5-5-5-5-5}{5+5} = \frac{6666666-666666-6-6-6-6-6-6}{6+6}$$
$$:= \frac{7777777-777777-7-7-7-7-7-7}{7+7} = \frac{8888888-888888-8-8-8-8-8-8}{8+8} = \frac{9999999-999999-9-9-9-9-9-9}{9+9}$$

► **498** :=
$$\frac{1111-111-1-1-1-1}{1+1} = \frac{2222-222-2-2-2-2}{2+2} = \frac{3333-333-3-3-3-3}{3+3}$$
$$:= \frac{4444-444-4-4-4-4}{4+4} = \frac{5555-555-5-5-5-5}{5+5} = \frac{6666-666-6-6-6-6}{6+6}$$
$$:= \frac{7777-777-7-7-7-7}{7+7} = \frac{8888-888-8-8-8-8}{8+8} = \frac{9999-999-9-9-9-9}{9+9}$$

4998 :=
$$\frac{11111-1111-1-1-1-1}{1+1} = \frac{22222-2222-2-2-2-2}{2+2} = \frac{33333-3333-3-3-3-3}{3+3}$$
$$:= \frac{44444-4444-4-4-4-4}{4+4} = \frac{55555-5555-5-5-5-5}{5+5} = \frac{66666-6666-6-6-6-6}{6+6}$$
$$:= \frac{77777-7777-7-7-7-7}{7+7} = \frac{88888-8888-8-8-8-8}{8+8} = \frac{99999-9999-9-9-9-9}{9+9}$$

49998 :=
$$\frac{111111-11111-1-1-1-1}{1+1} = \frac{222222-22222-2-2-2-2}{2+2} = \frac{333333-33333-3-3-3-3}{3+3}$$
$$:= \frac{444444-44444-4-4-4-4}{4+4} = \frac{555555-55555-5-5-5-5}{5+5} = \frac{666666-66666-6-6-6-6}{6+6}$$
$$:= \frac{777777-77777-7-7-7-7}{7+7} = \frac{888888-88888-8-8-8-8}{8+8} = \frac{999999-99999-9-9-9-9}{9+9}$$

499998 :=
$$\frac{1111111-111111-1-1-1-1}{1+1} = \frac{2222222-222222-2-2-2-2}{2+2} = \frac{3333333-333333-3-3-3-3}{3+3}$$
$$:= \frac{4444444-444444-4-4-4-4}{4+4} = \frac{5555555-555555-5-5-5-5}{5+5} = \frac{6666666-666666-6-6-6-6}{6+6}$$
$$:= \frac{7777777-777777-7-7-7-7}{7+7} = \frac{8888888-888888-8-8-8-8}{8+8} = \frac{9999999-999999-9-9-9-9}{9+9}$$

► **499** :=
$$\frac{1111-111-1-1}{1+1} = \frac{2222-222-2-2}{2+2} = \frac{3333-333-3-3}{3+3}$$
$$:= \frac{4444-444-4-4}{4+4} = \frac{5555-555-5-5}{5+5} = \frac{6666-666-6-6}{6+6}$$
$$:= \frac{7777-777-7-7}{7+7} = \frac{8888-888-8-8}{8+8} = \frac{9999-999-9-9}{9+9}$$

4999 :=
$$\frac{11111-1111-1-1}{1+1} = \frac{22222-2222-2-2}{2+2} = \frac{33333-3333-3-3}{3+3}$$
$$:= \frac{44444-4444-4-4}{4+4} = \frac{55555-5555-5-5}{5+5} = \frac{66666-6666-6-6}{6+6}$$

$$:= \frac{77777-7777-7-7}{7+7} = \frac{88888-8888-8-8}{8+8} = \frac{99999-9999-9-9}{9+9}$$

$$\begin{aligned} \textcolor{red}{49999} &:= \frac{111111-11111-1-1}{1+1} = \frac{222222-22222-2-2}{2+2} = \frac{333333-33333-3-3}{3+3} \\ &:= \frac{444444-44444-4-4}{4+4} = \frac{555555-55555-5-5}{5+5} = \frac{666666-66666-6-6}{6+6} \\ &:= \frac{777777-77777-7-7}{7+7} = \frac{888888-88888-8-8}{8+8} = \frac{999999-99999-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{499999} &:= \frac{1111111-111111-1-1}{1+1} = \frac{2222222-222222-2-2}{2+2} = \frac{3333333-333333-3-3}{3+3} \\ &:= \frac{4444444-444444-4-4}{4+4} = \frac{5555555-555555-5-5}{5+5} = \frac{6666666-666666-6-6}{6+6} \\ &:= \frac{7777777-777777-7-7}{7+7} = \frac{8888888-888888-8-8}{8+8} = \frac{9999999-999999-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{500} &:= \frac{1111-111}{1+1} = \frac{2222-222}{2+2} = \frac{3333-333}{3+3} = \frac{4444-444}{4+4} = \frac{5555-555}{5+5} = \frac{6666-666}{6+6} \\ &:= \frac{7777-777}{7+7} = \frac{8888-888}{8+8} = \frac{9999-999}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5000} &:= \frac{11111-1111}{1+1} = \frac{22222-2222}{2+2} = \frac{33333-3333}{3+3} = \frac{44444-4444}{4+4} = \frac{55555-5555}{5+5} = \frac{66666-6666}{6+6} \\ &:= \frac{77777-7777}{7+7} = \frac{88888-8888}{8+8} = \frac{99999-9999}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{50000} &:= \frac{111111-11111}{1+1} = \frac{222222-22222}{2+2} = \frac{333333-33333}{3+3} = \frac{444444-44444}{4+4} = \frac{555555-55555}{5+5} = \frac{666666-66666}{6+6} \\ &:= \frac{777777-77777}{7+7} = \frac{888888-88888}{8+8} = \frac{999999-99999}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{500000} &:= \frac{1111111-111111}{1+1} = \frac{2222222-222222}{2+2} = \frac{3333333-333333}{3+3} = \frac{4444444-444444}{4+4} = \frac{5555555-555555}{5+5} = \frac{6666666-666666}{6+6} \\ &:= \frac{7777777-777777}{7+7} = \frac{8888888-888888}{8+8} = \frac{9999999-999999}{9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{501} &:= \frac{1111-111+1+1}{1+1} = \frac{2222-222+2+2}{2+2} = \frac{3333-333+3+3}{3+3} \\ &:= \frac{4444-444+4+4}{4+4} = \frac{5555-555+5+5}{5+5} = \frac{6666-666+6+6}{6+6} \\ &:= \frac{7777-777+7+7}{7+7} = \frac{8888-888+8+8}{8+8} = \frac{9999-999+9+9}{9+9} \end{aligned}$$

$$\textcolor{red}{5001} := \frac{11111-1111+1+1}{1+1} = \frac{22222-2222+2+2}{2+2} = \frac{33333-3333+3+3}{3+3}$$

$$\begin{aligned} &:= \frac{44444 - 4444 + 4 + 4}{4 + 4} = \frac{55555 - 5555 + 5 + 5}{5 + 5} = \frac{66666 - 6666 + 6 + 6}{6 + 6} \\ &:= \frac{77777 - 7777 + 7 + 7}{7 + 7} = \frac{88888 - 8888 + 8 + 8}{8 + 8} = \frac{99999 - 9999 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{50001} &:= \frac{111111 - 11111 + 1 + 1}{1 + 1} = \frac{222222 - 22222 + 2 + 2}{2 + 2} = \frac{333333 - 33333 + 3 + 3}{3 + 3} \\ &:= \frac{444444 - 44444 + 4 + 4}{4 + 4} = \frac{555555 - 55555 + 5 + 5}{5 + 5} = \frac{666666 - 66666 + 6 + 6}{6 + 6} \\ &:= \frac{777777 - 77777 + 7 + 7}{7 + 7} = \frac{888888 - 88888 + 8 + 8}{8 + 8} = \frac{999999 - 99999 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{500001} &:= \frac{1111111 - 111111 + 1 + 1}{1 + 1} = \frac{2222222 - 222222 + 2 + 2}{2 + 2} = \frac{3333333 - 333333 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 - 444444 + 4 + 4}{4 + 4} = \frac{5555555 - 555555 + 5 + 5}{5 + 5} = \frac{6666666 - 666666 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 - 777777 + 7 + 7}{7 + 7} = \frac{8888888 - 888888 + 8 + 8}{8 + 8} = \frac{9999999 - 999999 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{502} &:= \frac{1111 - 111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222 - 222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333 - 333 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{4444 - 444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555 - 555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666 - 666 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777 - 777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888 - 888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999 - 999 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5002} &:= \frac{11111 - 1111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{22222 - 2222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{33333 - 3333 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{44444 - 4444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{55555 - 5555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{66666 - 6666 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{77777 - 7777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{88888 - 8888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{99999 - 9999 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{50002} &:= \frac{111111 - 11111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{222222 - 22222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{333333 - 33333 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{444444 - 44444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{555555 - 55555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{666666 - 66666 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{777777 - 77777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{888888 - 88888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{999999 - 99999 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{500002} &:= \frac{1111111 - 111111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222222 - 222222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333333 - 333333 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 - 444444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555555 - 555555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666666 - 666666 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 - 777777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888888 - 888888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999999 - 999999 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

► **503** :=
$$\frac{(111+1) \times (11-1-1) - 1 \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times (22-2-2) - 2 \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times (33-3-3) - 3 \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(444+4) \times (44-4-4) - 4 \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times (55-5-5) - 5 \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times (66-6-6) - 6 \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(777+7) \times (77-7-7) - 7 \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times (88-8-8) - 8 \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times (99-9-9) - 9 \times (9+9)}{(9+9) \times 9}$$

5003 :=
$$\frac{(1111+1) \times (11-1-1) - 1 \times (1+1)}{(1+1) \times 1} = \frac{(2222+2) \times (22-2-2) - 2 \times (2+2)}{(2+2) \times 2} = \frac{(3333+3) \times (33-3-3) - 3 \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(4444+4) \times (44-4-4) - 4 \times (4+4)}{(4+4) \times 4} = \frac{(5555+5) \times (55-5-5) - 5 \times (5+5)}{(5+5) \times 5} = \frac{(6666+6) \times (66-6-6) - 6 \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(7777+7) \times (77-7-7) - 7 \times (7+7)}{(7+7) \times 7} = \frac{(8888+8) \times (88-8-8) - 8 \times (8+8)}{(8+8) \times 8} = \frac{(9999+9) \times (99-9-9) - 9 \times (9+9)}{(9+9) \times 9}$$

50003 :=
$$\frac{(11111+1) \times (11-1-1) - 1 \times (1+1)}{(1+1) \times 1} = \frac{(22222+2) \times (22-2-2) - 2 \times (2+2)}{(2+2) \times 2} = \frac{(33333+3) \times (33-3-3) - 3 \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(44444+4) \times (44-4-4) - 4 \times (4+4)}{(4+4) \times 4} = \frac{(55555+5) \times (55-5-5) - 5 \times (5+5)}{(5+5) \times 5} = \frac{(66666+6) \times (66-6-6) - 6 \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(77777+7) \times (77-7-7) - 7 \times (7+7)}{(7+7) \times 7} = \frac{(88888+8) \times (88-8-8) - 8 \times (8+8)}{(8+8) \times 8} = \frac{(99999+9) \times (99-9-9) - 9 \times (9+9)}{(9+9) \times 9}$$

500003 :=
$$\frac{(111111+1) \times (11-1-1) - 1 \times (1+1)}{(1+1) \times 1} = \frac{(222222+2) \times (22-2-2) - 2 \times (2+2)}{(2+2) \times 2} = \frac{(333333+3) \times (33-3-3) - 3 \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(444444+4) \times (44-4-4) - 4 \times (4+4)}{(4+4) \times 4} = \frac{(555555+5) \times (55-5-5) - 5 \times (5+5)}{(5+5) \times 5} = \frac{(666666+6) \times (66-6-6) - 6 \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(777777+7) \times (77-7-7) - 7 \times (7+7)}{(7+7) \times 7} = \frac{(888888+8) \times (88-8-8) - 8 \times (8+8)}{(8+8) \times 8} = \frac{(999999+9) \times (99-9-9) - 9 \times (9+9)}{(9+9) \times 9}$$

► **504** :=
$$\frac{(111+1) \times (11-1-1)}{(1+1) \times 1} = \frac{(222+2) \times (22-2-2)}{(2+2) \times 2} = \frac{(333+3) \times (33-3-3)}{(3+3) \times 3}$$
$$:= \frac{(444+4) \times (44-4-4)}{(4+4) \times 4} = \frac{(555+5) \times (55-5-5)}{(5+5) \times 5} = \frac{(666+6) \times (66-6-6)}{(6+6) \times 6}$$
$$:= \frac{(777+7) \times (77-7-7)}{(7+7) \times 7} = \frac{(888+8) \times (88-8-8)}{(8+8) \times 8} = \frac{(999+9) \times (99-9-9)}{(9+9) \times 9}$$

5004 :=
$$\frac{(1111+1) \times (11-1-1)}{(1+1) \times 1} = \frac{(2222+2) \times (22-2-2)}{(2+2) \times 2} = \frac{(3333+3) \times (33-3-3)}{(3+3) \times 3}$$
$$:= \frac{(4444+4) \times (44-4-4)}{(4+4) \times 4} = \frac{(5555+5) \times (55-5-5)}{(5+5) \times 5} = \frac{(6666+6) \times (66-6-6)}{(6+6) \times 6}$$
$$:= \frac{(7777+7) \times (77-7-7)}{(7+7) \times 7} = \frac{(8888+8) \times (88-8-8)}{(8+8) \times 8} = \frac{(9999+9) \times (99-9-9)}{(9+9) \times 9}$$

50004 :=
$$\frac{(11111+1) \times (11-1-1)}{(1+1) \times 1} = \frac{(22222+2) \times (22-2-2)}{(2+2) \times 2} = \frac{(33333+3) \times (33-3-3)}{(3+3) \times 3}$$
$$:= \frac{(44444+4) \times (44-4-4)}{(4+4) \times 4} = \frac{(55555+5) \times (55-5-5)}{(5+5) \times 5} = \frac{(66666+6) \times (66-6-6)}{(6+6) \times 6}$$

$$:= \frac{(77777 + 7) \times (77 - 7 - 7)}{(7 + 7) \times 7} = \frac{(88888 + 8) \times (88 - 8 - 8)}{(8 + 8) \times 8} = \frac{(99999 + 9) \times (99 - 9 - 9)}{(9 + 9) \times 9}$$

$$\begin{aligned} \textcolor{red}{500004} &:= \frac{(111111 + 1) \times (11 - 1 - 1)}{(1 + 1) \times 1} = \frac{(222222 + 2) \times (22 - 2 - 2)}{(2 + 2) \times 2} = \frac{(333333 + 3) \times (33 - 3 - 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 4) \times (44 - 4 - 4)}{(4 + 4) \times 4} = \frac{(555555 + 5) \times (55 - 5 - 5)}{(5 + 5) \times 5} = \frac{(666666 + 6) \times (66 - 6 - 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 7) \times (77 - 7 - 7)}{(7 + 7) \times 7} = \frac{(888888 + 8) \times (88 - 8 - 8)}{(8 + 8) \times 8} = \frac{(999999 + 9) \times (99 - 9 - 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{505} &:= \frac{11111 - 1}{11 + 11} = \frac{22222 - 2}{22 + 22} = \frac{33333 - 3}{33 + 33} = \frac{44444 - 4}{44 + 44} = \frac{55555 - 5}{55 + 55} = \frac{66666 - 6}{66 + 66} \\ &:= \frac{77777 - 7}{77 + 77} = \frac{88888 - 8}{88 + 88} = \frac{99999 - 9}{99 + 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{50505} &:= \frac{1111111 - 1}{11 + 11} = \frac{2222222 - 2}{22 + 22} = \frac{3333333 - 3}{33 + 33} = \frac{4444444 - 4}{44 + 44} = \frac{5555555 - 5}{55 + 55} = \frac{6666666 - 6}{66 + 66} \\ &:= \frac{7777777 - 7}{77 + 77} = \frac{8888888 - 8}{88 + 88} = \frac{9999999 - 9}{99 + 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5050505} &:= \frac{111111111 - 1}{11 + 11} = \frac{222222222 - 2}{22 + 22} = \frac{333333333 - 3}{33 + 33} = \frac{444444444 - 4}{44 + 44} = \frac{555555555 - 5}{55 + 55} = \frac{666666666 - 6}{66 + 66} \\ &:= \frac{777777777 - 7}{77 + 77} = \frac{888888888 - 8}{88 + 88} = \frac{999999999 - 9}{99 + 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{505050505} &:= \frac{11111111111 - 1}{11 + 11} = \frac{22222222222 - 2}{22 + 22} = \frac{33333333333 - 3}{33 + 33} = \frac{44444444444 - 4}{44 + 44} = \frac{55555555555 - 5}{55 + 55} = \frac{66666666666 - 6}{66 + 66} \\ &:= \frac{77777777777 - 7}{77 + 77} = \frac{88888888888 - 8}{88 + 88} = \frac{99999999999 - 9}{99 + 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{506} &:= \frac{1111 - 111 + 11 + 1}{1 + 1} = \frac{2222 - 222 + 22 + 2}{2 + 2} = \frac{3333 - 333 + 33 + 3}{3 + 3} \\ &:= \frac{4444 - 444 + 44 + 4}{4 + 4} = \frac{5555 - 555 + 55 + 5}{5 + 5} = \frac{6666 - 666 + 66 + 6}{6 + 6} \\ &:= \frac{7777 - 777 + 77 + 7}{7 + 7} = \frac{8888 - 888 + 88 + 8}{8 + 8} = \frac{9999 - 999 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5506} &:= \frac{11111 - 111 + 11 + 1}{1 + 1} = \frac{22222 - 222 + 22 + 2}{2 + 2} = \frac{33333 - 333 + 33 + 3}{3 + 3} \\ &:= \frac{44444 - 444 + 44 + 4}{4 + 4} = \frac{55555 - 555 + 55 + 5}{5 + 5} = \frac{66666 - 666 + 66 + 6}{6 + 6} \\ &:= \frac{77777 - 777 + 77 + 7}{7 + 7} = \frac{88888 - 888 + 88 + 8}{8 + 8} = \frac{99999 - 999 + 99 + 9}{9 + 9} \end{aligned}$$

$$\textcolor{red}{55506} := \frac{111111 - 111 + 11 + 1}{1 + 1} = \frac{222222 - 222 + 22 + 2}{2 + 2} = \frac{333333 - 333 + 33 + 3}{3 + 3}$$

$$\begin{aligned} &:= \frac{444444 - 444 + 44 + 4}{4 + 4} = \frac{555555 - 555 + 55 + 5}{5 + 5} = \frac{666666 - 666 + 66 + 6}{6 + 6} \\ &:= \frac{777777 - 777 + 77 + 7}{7 + 7} = \frac{888888 - 888 + 88 + 8}{8 + 8} = \frac{999999 - 999 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555506} &:= \frac{1111111 - 111 + 11 + 1}{1 + 1} = \frac{2222222 - 222 + 22 + 2}{2 + 2} = \frac{3333333 - 333 + 33 + 3}{3 + 3} \\ &:= \frac{4444444 - 444 + 44 + 4}{4 + 4} = \frac{5555555 - 555 + 55 + 5}{5 + 5} = \frac{6666666 - 666 + 66 + 6}{6 + 6} \\ &:= \frac{7777777 - 777 + 77 + 7}{7 + 7} = \frac{8888888 - 888 + 88 + 8}{8 + 8} = \frac{9999999 - 999 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{507} &:= \frac{1111 - 111 + 11 + 1 + 1 + 1}{1 + 1} = \frac{2222 - 222 + 22 + 2 + 2 + 2}{2 + 2} = \frac{3333 - 333 + 33 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{4444 - 444 + 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555 - 555 + 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666 - 666 + 66 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777 - 777 + 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888 - 888 + 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999 - 999 + 99 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5507} &:= \frac{11111 - 111 + 11 + 1 + 1 + 1}{1 + 1} = \frac{22222 - 222 + 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{33333 - 333 + 33 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{44444 - 444 + 44 + 4 + 4 + 4 + 4 + 4}{4 + 4} = \frac{55555 - 555 + 55 + 5 + 5 + 5 + 5 + 5}{5 + 5} = \frac{66666 - 666 + 66 + 6 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{77777 - 777 + 77 + 7 + 7 + 7 + 7 + 7}{7 + 7} = \frac{88888 - 888 + 88 + 8 + 8 + 8 + 8 + 8}{8 + 8} = \frac{99999 - 999 + 99 + 9 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55507} &:= \frac{111111 - 111 + 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{222222 - 222 + 22 + 2 + 2 + 2 + 2 + 2}{2 + 2} = \frac{333333 - 333 + 33 + 3 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{444444 - 444 + 44 + 4 + 4 + 4 + 4 + 4 + 4}{4 + 4} = \frac{555555 - 555 + 55 + 5 + 5 + 5 + 5 + 5 + 5}{5 + 5} = \frac{666666 - 666 + 66 + 6 + 6 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{777777 - 777 + 77 + 7 + 7 + 7 + 7 + 7 + 7}{7 + 7} = \frac{888888 - 888 + 88 + 8 + 8 + 8 + 8 + 8 + 8}{8 + 8} = \frac{999999 - 999 + 99 + 9 + 9 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555507} &:= \frac{1111111 - 111 + 11 + 1 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222222 - 222 + 22 + 2 + 2 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333333 - 333 + 33 + 3 + 3 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 - 444 + 44 + 4 + 4 + 4 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555555 - 555 + 55 + 5 + 5 + 5 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666666 - 666 + 66 + 6 + 6 + 6 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 - 777 + 77 + 7 + 7 + 7 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888888 - 888 + 88 + 8 + 8 + 8 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999999 - 999 + 99 + 9 + 9 + 9 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{508} &:= \frac{1111 - 111 + 11 + 1 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222 - 222 + 22 + 2 + 2 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333 - 333 + 33 + 3 + 3 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{4444 - 444 + 44 + 4 + 4 + 4 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555 - 555 + 55 + 5 + 5 + 5 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666 - 666 + 66 + 6 + 6 + 6 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777 - 777 + 77 + 7 + 7 + 7 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888 - 888 + 88 + 8 + 8 + 8 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999 - 999 + 99 + 9 + 9 + 9 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

5508

$$\begin{aligned}
 &:= \frac{11111 - 111 + 11 + 1 + 1 + 1 + 1 + 1}{1 + 1} = \frac{22222 - 222 + 22 + 2 + 2 + 2 + 2 + 2}{2 + 2} = \frac{33333 - 333 + 33 + 3 + 3 + 3 + 3 + 3}{3 + 3} \\
 &:= \frac{44444 - 444 + 44 + 4 + 4 + 4 + 4 + 4}{4 + 4} = \frac{55555 - 555 + 55 + 5 + 5 + 5 + 5 + 5}{5 + 5} = \frac{66666 - 666 + 66 + 6 + 6 + 6 + 6 + 6}{6 + 6} \\
 &:= \frac{77777 - 777 + 77 + 7 + 7 + 7 + 7 + 7}{7 + 7} = \frac{88888 - 888 + 88 + 8 + 8 + 8 + 8 + 8}{8 + 8} = \frac{99999 - 999 + 99 + 9 + 9 + 9 + 9 + 9}{9 + 9}
 \end{aligned}$$

55508

$$\begin{aligned}
 &:= \frac{111111 - 111 + 11 + 1 + 1 + 1 + 1 + 1}{1 + 1} = \frac{222222 - 222 + 22 + 2 + 2 + 2 + 2 + 2}{2 + 2} = \frac{333333 - 333 + 33 + 3 + 3 + 3 + 3 + 3}{3 + 3} \\
 &:= \frac{444444 - 444 + 44 + 4 + 4 + 4 + 4 + 4}{4 + 4} = \frac{555555 - 555 + 55 + 5 + 5 + 5 + 5 + 5}{5 + 5} = \frac{666666 - 666 + 66 + 6 + 6 + 6 + 6 + 6}{6 + 6} \\
 &:= \frac{777777 - 777 + 77 + 7 + 7 + 7 + 7 + 7}{7 + 7} = \frac{888888 - 888 + 88 + 8 + 8 + 8 + 8 + 8}{8 + 8} = \frac{999999 - 999 + 99 + 9 + 9 + 9 + 9 + 9}{9 + 9}
 \end{aligned}$$

555508

$$\begin{aligned}
 &:= \frac{1111111 - 111 + 11 + 1 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222222 - 222 + 22 + 2 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333333 - 333 + 33 + 3 + 3 + 3 + 3 + 3}{3 + 3} \\
 &:= \frac{4444444 - 444 + 44 + 4 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555555 - 555 + 55 + 5 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666666 - 666 + 66 + 6 + 6 + 6 + 6 + 6}{6 + 6} \\
 &:= \frac{7777777 - 777 + 77 + 7 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888888 - 888 + 88 + 8 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999999 - 999 + 99 + 9 + 9 + 9 + 9 + 9}{9 + 9}
 \end{aligned}$$

509

$$\begin{aligned}
 &:= \frac{1111 - 111}{1 + 1} + \frac{11 - 1 - 1}{1} = \frac{2222 - 222}{2 + 2} + \frac{22 - 2 - 2}{2} = \frac{3333 - 333}{3 + 3} + \frac{33 - 3 - 3}{3} \\
 &:= \frac{4444 - 444}{4 + 4} + \frac{44 - 4 - 4}{4} = \frac{5555 - 555}{5 + 5} + \frac{55 - 5 - 5}{5} = \frac{6666 - 666}{6 + 6} + \frac{66 - 6 - 6}{6} \\
 &:= \frac{7777 - 777}{7 + 7} + \frac{77 - 7 - 7}{7} = \frac{8888 - 888}{8 + 8} + \frac{88 - 8 - 8}{8} = \frac{9999 - 999}{9 + 9} + \frac{99 - 9 - 9}{9}
 \end{aligned}$$

5109

$$\begin{aligned}
 &:= \frac{11111 - 1111}{1 + 1} + \frac{111 - 1 - 1}{1} = \frac{22222 - 2222}{2 + 2} + \frac{222 - 2 - 2}{2} = \frac{33333 - 3333}{3 + 3} + \frac{333 - 3 - 3}{3} \\
 &:= \frac{44444 - 4444}{4 + 4} + \frac{444 - 4 - 4}{4} = \frac{55555 - 5555}{5 + 5} + \frac{555 - 5 - 5}{5} = \frac{66666 - 6666}{6 + 6} + \frac{666 - 6 - 6}{6} \\
 &:= \frac{77777 - 7777}{7 + 7} + \frac{777 - 7 - 7}{7} = \frac{88888 - 8888}{8 + 8} + \frac{888 - 8 - 8}{8} = \frac{99999 - 9999}{9 + 9} + \frac{999 - 9 - 9}{9}
 \end{aligned}$$

51109

$$\begin{aligned}
 &:= \frac{111111 - 11111}{1 + 1} + \frac{1111 - 1 - 1}{1} = \frac{222222 - 22222}{2 + 2} + \frac{2222 - 2 - 2}{2} = \frac{333333 - 33333}{3 + 3} + \frac{3333 - 3 - 3}{3} \\
 &:= \frac{444444 - 44444}{4 + 4} + \frac{4444 - 4 - 4}{4} = \frac{555555 - 55555}{5 + 5} + \frac{5555 - 5 - 5}{5} = \frac{666666 - 66666}{6 + 6} + \frac{6666 - 6 - 6}{6} \\
 &:= \frac{777777 - 77777}{7 + 7} + \frac{7777 - 7 - 7}{7} = \frac{888888 - 88888}{8 + 8} + \frac{8888 - 8 - 8}{8} = \frac{999999 - 99999}{9 + 9} + \frac{9999 - 9 - 9}{9}
 \end{aligned}$$

511109

$$\begin{aligned}
 &:= \frac{1111111 - 111111}{1 + 1} + \frac{11111 - 1 - 1}{1} = \frac{2222222 - 222222}{2 + 2} + \frac{22222 - 2 - 2}{2} = \frac{3333333 - 333333}{3 + 3} + \frac{33333 - 3 - 3}{3} \\
 &:= \frac{4444444 - 444444}{4 + 4} + \frac{44444 - 4 - 4}{4} = \frac{5555555 - 555555}{5 + 5} + \frac{55555 - 5 - 5}{5} = \frac{6666666 - 666666}{6 + 6} + \frac{66666 - 6 - 6}{6} \\
 &:= \frac{7777777 - 777777}{7 + 7} + \frac{77777 - 7 - 7}{7} = \frac{8888888 - 888888}{8 + 8} + \frac{88888 - 8 - 8}{8} = \frac{9999999 - 999999}{9 + 9} + \frac{99999 - 9 - 9}{9}
 \end{aligned}$$

►

510

$$:= \frac{1111-111}{1+1} + \frac{11-1}{1} = \frac{2222-222}{2+2} + \frac{22-2}{2} = \frac{3333-333}{3+3} + \frac{33-3}{3}$$

$$:= \frac{4444-444}{4+4} + \frac{44-4}{4} = \frac{5555-555}{5+5} + \frac{55-5}{5} = \frac{6666-666}{6+6} + \frac{66-6}{6}$$

$$:= \frac{7777-777}{7+7} + \frac{77-7}{7} = \frac{8888-888}{8+8} + \frac{88-8}{8} = \frac{9999-999}{9+9} + \frac{99-9}{9}$$

5110

$$:= \frac{11111-1111}{1+1} + \frac{111-1}{1} = \frac{22222-2222}{2+2} + \frac{222-2}{2} = \frac{33333-3333}{3+3} + \frac{333-3}{3}$$

$$:= \frac{44444-4444}{4+4} + \frac{444-4}{4} = \frac{55555-5555}{5+5} + \frac{555-5}{5} = \frac{66666-6666}{6+6} + \frac{666-6}{6}$$

$$:= \frac{77777-7777}{7+7} + \frac{777-7}{7} = \frac{88888-8888}{8+8} + \frac{888-8}{8} = \frac{99999-9999}{9+9} + \frac{999-9}{9}$$

51110

$$:= \frac{111111-11111}{1+1} + \frac{1111-1}{1} = \frac{222222-22222}{2+2} + \frac{2222-2}{2} = \frac{333333-33333}{3+3} + \frac{3333-3}{3}$$

$$:= \frac{444444-44444}{4+4} + \frac{4444-4}{4} = \frac{555555-55555}{5+5} + \frac{5555-5}{5} = \frac{666666-66666}{6+6} + \frac{6666-6}{6}$$

$$:= \frac{777777-77777}{7+7} + \frac{7777-7}{7} = \frac{888888-88888}{8+8} + \frac{8888-8}{8} = \frac{999999-99999}{9+9} + \frac{9999-9}{9}$$

511110

$$:= \frac{1111111-111111}{1+1} + \frac{11111-1}{1} = \frac{2222222-222222}{2+2} + \frac{22222-2}{2} = \frac{3333333-333333}{3+3} + \frac{33333-3}{3}$$

$$:= \frac{4444444-444444}{4+4} + \frac{44444-4}{4} = \frac{5555555-555555}{5+5} + \frac{55555-5}{5} = \frac{6666666-666666}{6+6} + \frac{66666-6}{6}$$

$$:= \frac{7777777-777777}{7+7} + \frac{77777-7}{7} = \frac{8888888-888888}{8+8} + \frac{88888-8}{8} = \frac{9999999-999999}{9+9} + \frac{99999-9}{9}$$

►

511

$$:= \frac{1111-111}{1+1} + \frac{11}{1} = \frac{2222-222}{2+2} + \frac{22}{2} = \frac{3333-333}{3+3} + \frac{33}{3}$$

$$:= \frac{4444-444}{4+4} + \frac{44}{4} = \frac{5555-555}{5+5} + \frac{55}{5} = \frac{6666-666}{6+6} + \frac{66}{6}$$

$$:= \frac{7777-777}{7+7} + \frac{77}{7} = \frac{8888-888}{8+8} + \frac{88}{8} = \frac{9999-999}{9+9} + \frac{99}{9}$$

5111

$$:= \frac{11111-1111}{1+1} + \frac{111}{1} = \frac{22222-2222}{2+2} + \frac{222}{2} = \frac{33333-3333}{3+3} + \frac{333}{3}$$

$$:= \frac{44444-4444}{4+4} + \frac{444}{4} = \frac{55555-5555}{5+5} + \frac{555}{5} = \frac{66666-6666}{6+6} + \frac{666}{6}$$

$$:= \frac{77777-7777}{7+7} + \frac{777}{7} = \frac{88888-8888}{8+8} + \frac{888}{8} = \frac{99999-9999}{9+9} + \frac{999}{9}$$

51111

$$:= \frac{111111-11111}{1+1} + \frac{1111}{1} = \frac{222222-22222}{2+2} + \frac{2222}{2} = \frac{333333-33333}{3+3} + \frac{3333}{3}$$

$$:= \frac{444444-44444}{4+4} + \frac{4444}{4} = \frac{555555-55555}{5+5} + \frac{5555}{5} = \frac{666666-66666}{6+6} + \frac{6666}{6}$$

$$:= \frac{777777-77777}{7+7} + \frac{7777}{7} = \frac{888888-88888}{8+8} + \frac{8888}{8} = \frac{999999-99999}{9+9} + \frac{9999}{9}$$

$$\begin{aligned} \textcolor{red}{511111} &:= \frac{111111-111111}{1+1} + \frac{11111}{1} = \frac{222222-222222}{2+2} + \frac{22222}{2} = \frac{3333333-333333}{3+3} + \frac{33333}{3} \\ &:= \frac{4444444-444444}{4+4} + \frac{44444}{4} = \frac{5555555-555555}{5+5} + \frac{55555}{5} = \frac{6666666-666666}{6+6} + \frac{66666}{6} \\ &:= \frac{7777777-777777}{7+7} + \frac{77777}{7} = \frac{8888888-888888}{8+8} + \frac{88888}{8} = \frac{9999999-999999}{9+9} + \frac{99999}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{512} &:= \frac{1111-111+11+11+1+1}{1+1} = \frac{2222-222+22+22+2+2}{2+2} = \frac{3333-333+33+33+3+3}{3+3} \\ &:= \frac{4444-444+44+44+4+4}{4+4} = \frac{5555-555+55+55+5+5}{5+5} = \frac{6666-666+66+66+6+6}{6+6} \\ &:= \frac{7777-777+77+77+7+7}{7+7} = \frac{8888-888+88+88+8+8}{8+8} = \frac{9999-999+99+99+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5512} &:= \frac{11111-111+11+11+1+1}{1+1} = \frac{22222-222+22+22+2+2}{2+2} = \frac{33333-333+33+33+3+3}{3+3} \\ &:= \frac{44444-444+44+44+4+4}{4+4} = \frac{55555-555+55+55+5+5}{5+5} = \frac{66666-666+66+66+6+6}{6+6} \\ &:= \frac{77777-777+77+77+7+7}{7+7} = \frac{88888-888+88+88+8+8}{8+8} = \frac{99999-999+99+99+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55512} &:= \frac{111111-111+11+11+1+1}{1+1} = \frac{222222-222+22+22+2+2}{2+2} = \frac{333333-333+33+33+3+3}{3+3} \\ &:= \frac{444444-444+44+44+4+4}{4+4} = \frac{555555-555+55+55+5+5}{5+5} = \frac{666666-666+66+66+6+6}{6+6} \\ &:= \frac{777777-777+77+77+7+7}{7+7} = \frac{888888-888+88+88+8+8}{8+8} = \frac{999999-999+99+99+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555512} &:= \frac{1111111-111+11+11+1+1}{1+1} = \frac{2222222-222+22+22+2+2}{2+2} = \frac{3333333-333+33+33+3+3}{3+3} \\ &:= \frac{4444444-444+44+44+4+4}{4+4} = \frac{5555555-555+55+55+5+5}{5+5} = \frac{6666666-666+66+66+6+6}{6+6} \\ &:= \frac{7777777-777+77+77+7+7}{7+7} = \frac{8888888-888+88+88+8+8}{8+8} = \frac{9999999-999+99+99+9+9}{9+9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{513} &:= \frac{1111-111}{1+1} + \frac{11+1+1}{1} = \frac{2222-222}{2+2} + \frac{22+2+2}{2} = \frac{3333-333}{3+3} + \frac{33+3+3}{3} \\ &:= \frac{4444-444}{4+4} + \frac{44+4+4}{4} = \frac{5555-555}{5+5} + \frac{55+5+5}{5} = \frac{6666-666}{6+6} + \frac{66+6+6}{6} \\ &:= \frac{7777-777}{7+7} + \frac{77+7+7}{7} = \frac{8888-888}{8+8} + \frac{88+8+8}{8} = \frac{9999-999}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

$$\textcolor{red}{5113}:= \frac{11111-1111}{1+1} + \frac{111+1+1}{1} = \frac{22222-2222}{2+2} + \frac{222+2+2}{2} = \frac{33333-3333}{3+3} + \frac{333+3+3}{3}$$

$$\begin{aligned} &:= \frac{44444-4444}{4+4} + \frac{444+4+4}{4} = \frac{55555-5555}{5+5} + \frac{555+5+5}{5} = \frac{66666-6666}{6+6} + \frac{666+6+6}{6} \\ &:= \frac{77777-7777}{7+7} + \frac{777+7+7}{7} = \frac{88888-8888}{8+8} + \frac{888+8+8}{8} = \frac{99999-9999}{9+9} + \frac{999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{51113} &:= \frac{111111-11111}{1+1} + \frac{1111+1+1}{1} = \frac{222222-22222}{2+2} + \frac{2222+2+2}{2} = \frac{333333-33333}{3+3} + \frac{3333+3+3}{3} \\ &:= \frac{444444-44444}{4+4} + \frac{4444+4+4}{4} = \frac{555555-55555}{5+5} + \frac{5555+5+5}{5} = \frac{666666-66666}{6+6} + \frac{6666+6+6}{6} \\ &:= \frac{777777-77777}{7+7} + \frac{7777+7+7}{7} = \frac{888888-88888}{8+8} + \frac{8888+8+8}{8} = \frac{999999-99999}{9+9} + \frac{9999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{511113} &:= \frac{1111111-111111}{1+1} + \frac{11111+1+1}{1} = \frac{2222222-222222}{2+2} + \frac{22222+2+2}{2} = \frac{3333333-333333}{3+3} + \frac{33333+3+3}{3} \\ &:= \frac{4444444-444444}{4+4} + \frac{44444+4+4}{4} = \frac{5555555-555555}{5+5} + \frac{55555+5+5}{5} = \frac{6666666-666666}{6+6} + \frac{66666+6+6}{6} \\ &:= \frac{7777777-777777}{7+7} + \frac{77777+7+7}{7} = \frac{8888888-888888}{8+8} + \frac{88888+8+8}{8} = \frac{9999999-999999}{9+9} + \frac{99999+9+9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{514} &:= \frac{1111-111}{1+1} + \frac{11+1+1+1}{1} = \frac{2222-222}{2+2} + \frac{22+2+2+2}{2} = \frac{3333-333}{3+3} + \frac{33+3+3+3}{3} \\ &:= \frac{4444-444}{4+4} + \frac{44+4+4+4}{4} = \frac{5555-555}{5+5} + \frac{55+5+5+5}{5} = \frac{6666-666}{6+6} + \frac{66+6+6+6}{6} \\ &:= \frac{7777-777}{7+7} + \frac{77+7+7+7}{7} = \frac{8888-888}{8+8} + \frac{88+8+8+8}{8} = \frac{9999-999}{9+9} + \frac{99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5114} &:= \frac{11111-1111}{1+1} + \frac{111+1+1+1}{1} = \frac{22222-2222}{2+2} + \frac{222+2+2+2}{2} = \frac{33333-3333}{3+3} + \frac{333+3+3+3}{3} \\ &:= \frac{44444-4444}{4+4} + \frac{444+4+4+4}{4} = \frac{55555-5555}{5+5} + \frac{555+5+5+5}{5} = \frac{66666-6666}{6+6} + \frac{666+6+6+6}{6} \\ &:= \frac{77777-7777}{7+7} + \frac{777+7+7+7}{7} = \frac{88888-8888}{8+8} + \frac{888+8+8+8}{8} = \frac{99999-9999}{9+9} + \frac{999+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{51114} &:= \frac{111111-11111}{1+1} + \frac{1111+1+1+1}{1} = \frac{222222-22222}{2+2} + \frac{2222+2+2+2}{2} = \frac{333333-33333}{3+3} + \frac{3333+3+3+3}{3} \\ &:= \frac{444444-44444}{4+4} + \frac{4444+4+4+4}{4} = \frac{555555-55555}{5+5} + \frac{5555+5+5+5}{5} = \frac{666666-66666}{6+6} + \frac{6666+6+6+6}{6} \\ &:= \frac{777777-77777}{7+7} + \frac{7777+7+7+7}{7} = \frac{888888-88888}{8+8} + \frac{8888+8+8+8}{8} = \frac{999999-99999}{9+9} + \frac{9999+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{511114} &:= \frac{1111111-111111}{1+1} + \frac{11111+1+1+1}{1} = \frac{2222222-222222}{2+2} + \frac{22222+2+2+2}{2} = \frac{3333333-333333}{3+3} + \frac{33333+3+3+3}{3} \\ &:= \frac{4444444-444444}{4+4} + \frac{44444+4+4+4}{4} = \frac{5555555-555555}{5+5} + \frac{55555+5+5+5}{5} = \frac{6666666-666666}{6+6} + \frac{66666+6+6+6}{6} \\ &:= \frac{7777777-777777}{7+7} + \frac{77777+7+7+7}{7} = \frac{8888888-888888}{8+8} + \frac{88888+8+8+8}{8} = \frac{9999999-999999}{9+9} + \frac{99999+9+9+9}{9} \end{aligned}$$

►

515

$$\begin{aligned} &:= \frac{(111+1) \times (11-1-1) + (1+1) \times 11}{(1+1) \times 1} = \frac{(222+2) \times (22-2-2) + (2+2) \times 22}{(2+2) \times 2} = \frac{(333+3) \times (33-3-3) + (3+3) \times 33}{(3+3) \times 3} \\ &:= \frac{(444+4) \times (44-4-4) + (4+4) \times 44}{(4+4) \times 4} = \frac{(555+5) \times (55-5-5) + (5+5) \times 55}{(5+5) \times 5} = \frac{(666+6) \times (66-6-6) + (6+6) \times 66}{(6+6) \times 6} \\ &:= \frac{(777+7) \times (77-7-7) + (7+7) \times 77}{(7+7) \times 7} = \frac{(888+8) \times (88-8-8) + (8+8) \times 88}{(8+8) \times 8} = \frac{(999+9) \times (99-9-9) + (9+9) \times 99}{(9+9) \times 9} \end{aligned}$$

5015

$$\begin{aligned} &:= \frac{(1111+1) \times (11-1-1) + (1+1) \times 11}{(1+1) \times 1} = \frac{(2222+2) \times (22-2-2) + (2+2) \times 22}{(2+2) \times 2} = \frac{(3333+3) \times (33-3-3) + (3+3) \times 33}{(3+3) \times 3} \\ &:= \frac{(4444+4) \times (44-4-4) + (4+4) \times 44}{(4+4) \times 4} = \frac{(5555+5) \times (55-5-5) + (5+5) \times 55}{(5+5) \times 5} = \frac{(6666+6) \times (66-6-6) + (6+6) \times 66}{(6+6) \times 6} \\ &:= \frac{(7777+7) \times (77-7-7) + (7+7) \times 77}{(7+7) \times 7} = \frac{(8888+8) \times (88-8-8) + (8+8) \times 88}{(8+8) \times 8} = \frac{(9999+9) \times (99-9-9) + (9+9) \times 99}{(9+9) \times 9} \end{aligned}$$

50015

$$\begin{aligned} &:= \frac{(11111+1) \times (11-1-1) + (1+1) \times 11}{(1+1) \times 1} = \frac{(22222+2) \times (22-2-2) + (2+2) \times 22}{(2+2) \times 2} = \frac{(33333+3) \times (33-3-3) + (3+3) \times 33}{(3+3) \times 3} \\ &:= \frac{(44444+4) \times (44-4-4) + (4+4) \times 44}{(4+4) \times 4} = \frac{(55555+5) \times (55-5-5) + (5+5) \times 55}{(5+5) \times 5} = \frac{(66666+6) \times (66-6-6) + (6+6) \times 66}{(6+6) \times 6} \\ &:= \frac{(77777+7) \times (77-7-7) + (7+7) \times 77}{(7+7) \times 7} = \frac{(88888+8) \times (88-8-8) + (8+8) \times 88}{(8+8) \times 8} = \frac{(99999+9) \times (99-9-9) + (9+9) \times 99}{(9+9) \times 9} \end{aligned}$$

500015

$$\begin{aligned} &:= \frac{(111111+1) \times (11-1-1) + (1+1) \times 11}{(1+1) \times 1} = \frac{(222222+2) \times (22-2-2) + (2+2) \times 22}{(2+2) \times 2} = \frac{(333333+3) \times (33-3-3) + (3+3) \times 33}{(3+3) \times 3} \\ &:= \frac{(444444+4) \times (44-4-4) + (4+4) \times 44}{(4+4) \times 4} = \frac{(555555+5) \times (55-5-5) + (5+5) \times 55}{(5+5) \times 5} = \frac{(666666+6) \times (66-6-6) + (6+6) \times 66}{(6+6) \times 6} \\ &:= \frac{(777777+7) \times (77-7-7) + (7+7) \times 77}{(7+7) \times 7} = \frac{(888888+8) \times (88-8-8) + (8+8) \times 88}{(8+8) \times 8} = \frac{(999999+9) \times (99-9-9) + (9+9) \times 99}{(9+9) \times 9} \end{aligned}$$

►

516

$$\begin{aligned} &:= \frac{(111+1) \times (11-1-1) + (1+1) \times (11+1)}{(1+1) \times 1} = \frac{(222+2) \times (22-2-2) + (2+2) \times (22+2)}{(2+2) \times 2} = \frac{(333+3) \times (33-3-3) + (3+3) \times (33+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times (44-4-4) + (4+4) \times (44+4)}{(4+4) \times 4} = \frac{(555+5) \times (55-5-5) + (5+5) \times (55+5)}{(5+5) \times 5} = \frac{(666+6) \times (66-6-6) + (6+6) \times (66+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times (77-7-7) + (7+7) \times (77+7)}{(7+7) \times 7} = \frac{(888+8) \times (88-8-8) + (8+8) \times (88+8)}{(8+8) \times 8} = \frac{(999+9) \times (99-9-9) + (9+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

5016

$$\begin{aligned} &:= \frac{(1111+1) \times (11-1-1) + (1+1) \times (11+1)}{(1+1) \times 1} = \frac{(2222+2) \times (22-2-2) + (2+2) \times (22+2)}{(2+2) \times 2} = \frac{(3333+3) \times (33-3-3) + (3+3) \times (33+3)}{(3+3) \times 3} \\ &:= \frac{(4444+4) \times (44-4-4) + (4+4) \times (44+4)}{(4+4) \times 4} = \frac{(5555+5) \times (55-5-5) + (5+5) \times (55+5)}{(5+5) \times 5} = \frac{(6666+6) \times (66-6-6) + (6+6) \times (66+6)}{(6+6) \times 6} \\ &:= \frac{(7777+7) \times (77-7-7) + (7+7) \times (77+7)}{(7+7) \times 7} = \frac{(8888+8) \times (88-8-8) + (8+8) \times (88+8)}{(8+8) \times 8} = \frac{(9999+9) \times (99-9-9) + (9+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

50016

$$\begin{aligned} &:= \frac{(11111+1) \times (11-1-1) + (1+1) \times (11+1)}{(1+1) \times 1} = \frac{(22222+2) \times (22-2-2) + (2+2) \times (22+2)}{(2+2) \times 2} = \frac{(33333+3) \times (33-3-3) + (3+3) \times (33+3)}{(3+3) \times 3} \\ &:= \frac{(44444+4) \times (44-4-4) + (4+4) \times (44+4)}{(4+4) \times 4} = \frac{(55555+5) \times (55-5-5) + (5+5) \times (55+5)}{(5+5) \times 5} = \frac{(66666+6) \times (66-6-6) + (6+6) \times (66+6)}{(6+6) \times 6} \end{aligned}$$

$$:= \frac{(77777 + 7) \times (77 - 7 - 7) + (7 + 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 8) \times (88 - 8 - 8) + (8 + 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 9) \times (99 - 9 - 9) + (9 + 9) \times (99 + 9)}{(9 + 9) \times 9}$$

$$\begin{aligned} \textcolor{red}{500016} &:= \frac{(111111 + 1) \times (11 - 1 - 1) + (1 + 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 2) \times (22 - 2 - 2) + (2 + 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 3) \times (33 - 3 - 3) + (3 + 3) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 4) \times (44 - 4 - 4) + (4 + 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 5) \times (55 - 5 - 5) + (5 + 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 6) \times (66 - 6 - 6) + (6 + 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 7) \times (77 - 7 - 7) + (7 + 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 8) \times (88 - 8 - 8) + (8 + 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 9) \times (99 - 9 - 9) + (9 + 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{517} &:= \frac{1111 - 111 + 11 + 11 + 11 + 1}{1 + 1} = \frac{2222 - 222 + 22 + 22 + 22 + 2}{2 + 2} = \frac{3333 - 333 + 33 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{4444 - 444 + 44 + 44 + 44 + 4}{4 + 4} = \frac{5555 - 555 + 55 + 55 + 55 + 5}{5 + 5} = \frac{6666 - 666 + 66 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{7777 - 777 + 77 + 77 + 77 + 7}{7 + 7} = \frac{8888 - 888 + 88 + 88 + 88 + 8}{8 + 8} = \frac{9999 - 999 + 99 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5517} &:= \frac{11111 - 111 + 11 + 11 + 11 + 1}{1 + 1} = \frac{22222 - 222 + 22 + 22 + 22 + 2}{2 + 2} = \frac{33333 - 333 + 33 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{44444 - 444 + 44 + 44 + 44 + 4}{4 + 4} = \frac{55555 - 555 + 55 + 55 + 55 + 5}{5 + 5} = \frac{66666 - 666 + 66 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{77777 - 777 + 77 + 77 + 77 + 7}{7 + 7} = \frac{88888 - 888 + 88 + 88 + 88 + 8}{8 + 8} = \frac{99999 - 999 + 99 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55517} &:= \frac{111111 - 111 + 11 + 11 + 11 + 1}{1 + 1} = \frac{222222 - 222 + 22 + 22 + 22 + 2}{2 + 2} = \frac{333333 - 333 + 33 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{444444 - 444 + 44 + 44 + 44 + 4}{4 + 4} = \frac{555555 - 555 + 55 + 55 + 55 + 5}{5 + 5} = \frac{666666 - 666 + 66 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{777777 - 777 + 77 + 77 + 77 + 7}{7 + 7} = \frac{888888 - 888 + 88 + 88 + 88 + 8}{8 + 8} = \frac{999999 - 999 + 99 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555517} &:= \frac{1111111 - 111 + 11 + 11 + 11 + 1}{1 + 1} = \frac{2222222 - 222 + 22 + 22 + 22 + 2}{2 + 2} = \frac{3333333 - 333 + 33 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{4444444 - 444 + 44 + 44 + 44 + 4}{4 + 4} = \frac{5555555 - 555 + 55 + 55 + 55 + 5}{5 + 5} = \frac{6666666 - 666 + 66 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{7777777 - 777 + 77 + 77 + 77 + 7}{7 + 7} = \frac{8888888 - 888 + 88 + 88 + 88 + 8}{8 + 8} = \frac{9999999 - 999 + 99 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{518} &:= \frac{111 \times 11 + 111 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + 222 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + 333 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{444 \times 44 + 444 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + 555 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + 666 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{777 \times 77 + 777 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + 888 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + 999 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

1518

:=

$$\frac{111 \times 11 + 1111 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + 2222 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + 3333 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$$

$$:= \frac{444 \times 44 + 4444 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + 5555 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + 6666 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$

$$:= \frac{777 \times 77 + 7777 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + 8888 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + 9999 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

11518

:=

$$\frac{111 \times 11 + 11111 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + 22222 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + 33333 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$$

$$:= \frac{444 \times 44 + 44444 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + 55555 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + 66666 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$

$$:= \frac{777 \times 77 + 77777 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + 88888 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + 99999 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

111518

:=

$$\frac{111 \times 11 + 111111 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + 222222 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + 333333 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$$

$$:= \frac{444 \times 44 + 444444 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + 555555 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + 666666 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$

$$:= \frac{777 \times 77 + 777777 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + 888888 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + 999999 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

► 519

:=

$$\frac{111 \times 11 + (111 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + (222 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + (333 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$$

$$:= \frac{444 \times 44 + (444 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + (555 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + (666 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$

$$:= \frac{777 \times 77 + (777 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + (888 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + (999 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

1519

:=

$$\frac{111 \times 11 + (1111 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + (2222 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + (3333 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$$

$$:= \frac{444 \times 44 + (4444 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + (5555 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + (6666 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$

$$:= \frac{777 \times 77 + (7777 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + (8888 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + (9999 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

11519

:=

$$\frac{111 \times 11 + (11111 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + (22222 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + (33333 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$$

$$:= \frac{444 \times 44 + (44444 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + (55555 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + (66666 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$

$$:= \frac{777 \times 77 + (77777 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + (88888 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + (99999 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

111519

:=

$$\frac{111 \times 11 + (111111 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + (222222 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + (333333 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$$

$$:= \frac{444 \times 44 + (444444 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + (555555 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + (666666 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$

299

$$:= \frac{777 \times 77 + (777777 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + (888888 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + (999999 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

► **520** := $\frac{111 \times 11 + (111 + 1 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22 + (222 + 2 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33 + (333 + 3 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

$$:= \frac{444 \times 44 + (444 + 4 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55 + (555 + 5 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66 + (666 + 6 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$
$$:= \frac{777 \times 77 + (777 + 7 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88 + (888 + 8 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99 + (999 + 9 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

5220 := $\frac{111 \times 111 + (1111 + 1 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 222 + (2222 + 2 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 333 + (3333 + 3 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

$$:= \frac{444 \times 444 + (4444 + 4 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 555 + (5555 + 5 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 666 + (6666 + 6 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$
$$:= \frac{777 \times 777 + (7777 + 7 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 888 + (8888 + 8 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 999 + (9999 + 9 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

52220 := $\frac{111 \times 1111 + (11111 + 1 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 2222 + (22222 + 2 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 3333 + (33333 + 3 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

$$:= \frac{444 \times 4444 + (44444 + 4 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 5555 + (55555 + 5 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 6666 + (66666 + 6 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$
$$:= \frac{777 \times 7777 + (77777 + 7 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 8888 + (88888 + 8 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 9999 + (99999 + 9 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

522220 := $\frac{111 \times 11111 + (111111 + 1 + 1) \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{222 \times 22222 + (222222 + 2 + 2) \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{333 \times 33333 + (333333 + 3 + 3) \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)}$

$$:= \frac{444 \times 44444 + (444444 + 4 + 4) \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{555 \times 55555 + (555555 + 5 + 5) \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{666 \times 66666 + (666666 + 6 + 6) \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)}$$
$$:= \frac{777 \times 77777 + (777777 + 7 + 7) \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{888 \times 88888 + (888888 + 8 + 8) \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{999 \times 99999 + (999999 + 9 + 9) \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

► **521** := $\frac{1111 - 111 + 11 + 11 + 11 + 11 - 1 - 1}{1 + 1} = \frac{2222 - 222 + 22 + 22 + 22 + 22 - 2 - 2}{2 + 2} = \frac{3333 - 333 + 33 + 33 + 33 + 33 - 3 - 3}{3 + 3}$

$$:= \frac{4444 - 444 + 44 + 44 + 44 + 44 - 4 - 4}{4 + 4} = \frac{5555 - 555 + 55 + 55 + 55 + 55 - 5 - 5}{5 + 5} = \frac{6666 - 666 + 66 + 66 + 66 + 66 - 6 - 6}{6 + 6}$$
$$:= \frac{7777 - 777 + 77 + 77 + 77 + 77 - 7 - 7}{7 + 7} = \frac{8888 - 888 + 88 + 88 + 88 + 88 - 8 - 8}{8 + 8} = \frac{9999 - 999 + 99 + 99 + 99 + 99 - 9 - 9}{9 + 9}$$

5521 := $\frac{11111 - 111 + 11 + 11 + 11 + 11 - 1 - 1}{1 + 1} = \frac{22222 - 222 + 22 + 22 + 22 + 22 - 2 - 2}{2 + 2} = \frac{33333 - 333 + 33 + 33 + 33 + 33 - 3 - 3}{3 + 3}$

$$:= \frac{44444 - 444 + 44 + 44 + 44 + 44 - 4 - 4}{4 + 4} = \frac{55555 - 555 + 55 + 55 + 55 + 55 - 5 - 5}{5 + 5} = \frac{66666 - 666 + 66 + 66 + 66 + 66 - 6 - 6}{6 + 6}$$
$$:= \frac{77777 - 777 + 77 + 77 + 77 + 77 - 7 - 7}{7 + 7} = \frac{88888 - 888 + 88 + 88 + 88 + 88 - 8 - 8}{8 + 8} = \frac{99999 - 999 + 99 + 99 + 99 + 99 - 9 - 9}{9 + 9}$$

55521

$$\begin{aligned} &:= \frac{111111 - 111 + 11 + 11 + 11 + 11 - 1 - 1}{1 + 1} = \frac{222222 - 222 + 22 + 22 + 22 + 22 - 2 - 2}{2 + 2} = \frac{333333 - 333 + 33 + 33 + 33 + 33 - 3 - 3}{3 + 3} \\ &:= \frac{444444 - 444 + 44 + 44 + 44 + 44 - 4 - 4}{4 + 4} = \frac{555555 - 555 + 55 + 55 + 55 + 55 - 5 - 5}{5 + 5} = \frac{666666 - 666 + 66 + 66 + 66 + 66 - 6 - 6}{6 + 6} \\ &:= \frac{777777 - 777 + 77 + 77 + 77 + 77 - 7 - 7}{7 + 7} = \frac{888888 - 888 + 88 + 88 + 88 + 88 - 8 - 8}{8 + 8} = \frac{999999 - 999 + 99 + 99 + 99 + 99 - 9 - 9}{9 + 9} \end{aligned}$$

555521

$$\begin{aligned} &:= \frac{1111111 - 111 + 11 + 11 + 11 + 11 - 1 - 1}{1 + 1} = \frac{2222222 - 222 + 22 + 22 + 22 + 22 - 2 - 2}{2 + 2} = \frac{3333333 - 333 + 33 + 33 + 33 + 33 - 3 - 3}{3 + 3} \\ &:= \frac{4444444 - 444 + 44 + 44 + 44 + 44 - 4 - 4}{4 + 4} = \frac{5555555 - 555 + 55 + 55 + 55 + 55 - 5 - 5}{5 + 5} = \frac{6666666 - 666 + 66 + 66 + 66 + 66 - 6 - 6}{6 + 6} \\ &:= \frac{7777777 - 777 + 77 + 77 + 77 + 77 - 7 - 7}{7 + 7} = \frac{8888888 - 888 + 88 + 88 + 88 + 88 - 8 - 8}{8 + 8} = \frac{9999999 - 999 + 99 + 99 + 99 + 99 - 9 - 9}{9 + 9} \end{aligned}$$

► 522

$$\begin{aligned} &:= \frac{1111 - 111 + 11 + 11 + 11 + 11}{1 + 1} = \frac{2222 - 222 + 22 + 22 + 22 + 22}{2 + 2} = \frac{3333 - 333 + 33 + 33 + 33 + 33}{3 + 3} \\ &:= \frac{4444 - 444 + 44 + 44 + 44 + 44}{4 + 4} = \frac{5555 - 555 + 55 + 55 + 55 + 55}{5 + 5} = \frac{6666 - 666 + 66 + 66 + 66 + 66}{6 + 6} \\ &:= \frac{7777 - 777 + 77 + 77 + 77 + 77}{7 + 7} = \frac{8888 - 888 + 88 + 88 + 88 + 88}{8 + 8} = \frac{9999 - 999 + 99 + 99 + 99 + 99}{9 + 9} \end{aligned}$$

5522

$$\begin{aligned} &:= \frac{11111 - 111 + 11 + 11 + 11 + 11}{1 + 1} = \frac{22222 - 222 + 22 + 22 + 22 + 22}{2 + 2} = \frac{33333 - 333 + 33 + 33 + 33 + 33}{3 + 3} \\ &:= \frac{44444 - 444 + 44 + 44 + 44 + 44}{4 + 4} = \frac{55555 - 555 + 55 + 55 + 55 + 55}{5 + 5} = \frac{66666 - 666 + 66 + 66 + 66 + 66}{6 + 6} \\ &:= \frac{77777 - 777 + 77 + 77 + 77 + 77}{7 + 7} = \frac{88888 - 888 + 88 + 88 + 88 + 88}{8 + 8} = \frac{99999 - 999 + 99 + 99 + 99 + 99}{9 + 9} \end{aligned}$$

55522

$$\begin{aligned} &:= \frac{111111 - 111 + 11 + 11 + 11 + 11}{1 + 1} = \frac{222222 - 222 + 22 + 22 + 22 + 22}{2 + 2} = \frac{333333 - 333 + 33 + 33 + 33 + 33}{3 + 3} \\ &:= \frac{444444 - 444 + 44 + 44 + 44 + 44}{4 + 4} = \frac{555555 - 555 + 55 + 55 + 55 + 55}{5 + 5} = \frac{666666 - 666 + 66 + 66 + 66 + 66}{6 + 6} \\ &:= \frac{777777 - 777 + 77 + 77 + 77 + 77}{7 + 7} = \frac{888888 - 888 + 88 + 88 + 88 + 88}{8 + 8} = \frac{999999 - 999 + 99 + 99 + 99 + 99}{9 + 9} \end{aligned}$$

555522

$$\begin{aligned} &:= \frac{1111111 - 111 + 11 + 11 + 11 + 11}{1 + 1} = \frac{2222222 - 222 + 22 + 22 + 22 + 22}{2 + 2} = \frac{3333333 - 333 + 33 + 33 + 33 + 33}{3 + 3} \\ &:= \frac{4444444 - 444 + 44 + 44 + 44 + 44}{4 + 4} = \frac{5555555 - 555 + 55 + 55 + 55 + 55}{5 + 5} = \frac{6666666 - 666 + 66 + 66 + 66 + 66}{6 + 6} \\ &:= \frac{7777777 - 777 + 77 + 77 + 77 + 77}{7 + 7} = \frac{8888888 - 888 + 88 + 88 + 88 + 88}{8 + 8} = \frac{9999999 - 999 + 99 + 99 + 99 + 99}{9 + 9} \end{aligned}$$

► 523

$$\begin{aligned} &:= \frac{1111 - 111 + 11 + 11 + 11 + 11 + 1 + 1}{1 + 1} = \frac{2222 - 222 + 22 + 22 + 22 + 22 + 2 + 2}{2 + 2} = \frac{3333 - 333 + 33 + 33 + 33 + 33 + 3 + 3}{3 + 3} \\ &:= \frac{4444 - 444 + 44 + 44 + 44 + 44 + 4 + 4}{4 + 4} = \frac{5555 - 555 + 55 + 55 + 55 + 55 + 5 + 5}{5 + 5} = \frac{6666 - 666 + 66 + 66 + 66 + 66 + 6 + 6}{6 + 6} \end{aligned}$$

$$:= \frac{7777 - 777 + 77 + 77 + 77 + 77 + 7 + 7}{7 + 7} = \frac{8888 - 888 + 88 + 88 + 88 + 88 + 8 + 8}{8 + 8} = \frac{9999 - 999 + 99 + 99 + 99 + 99 + 9 + 9}{9 + 9}$$

$$\begin{aligned} \textcolor{red}{5523} &:= \frac{11111 - 111 + 11 + 11 + 11 + 11 + 1 + 1}{1 + 1} = \frac{22222 - 222 + 22 + 22 + 22 + 22 + 2 + 2}{2 + 2} = \frac{33333 - 333 + 33 + 33 + 33 + 33 + 3 + 3}{3 + 3} \\ &:= \frac{44444 - 444 + 44 + 44 + 44 + 44 + 4 + 4}{4 + 4} = \frac{55555 - 555 + 55 + 55 + 55 + 55 + 5 + 5}{5 + 5} = \frac{66666 - 666 + 66 + 66 + 66 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{77777 - 777 + 77 + 77 + 77 + 77 + 7 + 7}{7 + 7} = \frac{88888 - 888 + 88 + 88 + 88 + 88 + 8 + 8}{8 + 8} = \frac{99999 - 999 + 99 + 99 + 99 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55523} &:= \frac{111111 - 111 + 11 + 11 + 11 + 11 + 1 + 1}{1 + 1} = \frac{222222 - 222 + 22 + 22 + 22 + 22 + 2 + 2}{2 + 2} = \frac{333333 - 333 + 33 + 33 + 33 + 33 + 3 + 3}{3 + 3} \\ &:= \frac{444444 - 444 + 44 + 44 + 44 + 44 + 4 + 4}{4 + 4} = \frac{555555 - 555 + 55 + 55 + 55 + 55 + 5 + 5}{5 + 5} = \frac{666666 - 666 + 66 + 66 + 66 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{777777 - 777 + 77 + 77 + 77 + 77 + 7 + 7}{7 + 7} = \frac{888888 - 888 + 88 + 88 + 88 + 88 + 8 + 8}{8 + 8} = \frac{999999 - 999 + 99 + 99 + 99 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555523} &:= \frac{1111111 - 111 + 11 + 11 + 11 + 11 + 1 + 1}{1 + 1} = \frac{2222222 - 222 + 22 + 22 + 22 + 22 + 2 + 2}{2 + 2} = \frac{3333333 - 333 + 33 + 33 + 33 + 33 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 - 444 + 44 + 44 + 44 + 44 + 4 + 4}{4 + 4} = \frac{5555555 - 555 + 55 + 55 + 55 + 55 + 5 + 5}{5 + 5} = \frac{6666666 - 666 + 66 + 66 + 66 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 - 777 + 77 + 77 + 77 + 77 + 7 + 7}{7 + 7} = \frac{8888888 - 888 + 88 + 88 + 88 + 88 + 8 + 8}{8 + 8} = \frac{9999999 - 999 + 99 + 99 + 99 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{524} &:= \frac{1111 + 11}{1 + 1} - \frac{111}{1 + 1 + 1} = \frac{2222 + 22}{2 + 2} - \frac{222}{2 + 2 + 2} = \frac{3333 + 33}{3 + 3} - \frac{333}{3 + 3 + 3} \\ &:= \frac{4444 + 44}{4 + 4} - \frac{444}{4 + 4 + 4} = \frac{5555 + 55}{5 + 5} - \frac{555}{5 + 5 + 5} = \frac{6666 + 66}{6 + 6} - \frac{666}{6 + 6 + 6} \\ &:= \frac{7777 + 77}{7 + 7} - \frac{777}{7 + 7 + 7} = \frac{8888 + 88}{8 + 8} - \frac{888}{8 + 8 + 8} = \frac{9999 + 99}{9 + 9} - \frac{999}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5524} &:= \frac{11111 + 11}{1 + 1} - \frac{111}{1 + 1 + 1} = \frac{22222 + 22}{2 + 2} - \frac{222}{2 + 2 + 2} = \frac{33333 + 33}{3 + 3} - \frac{333}{3 + 3 + 3} \\ &:= \frac{44444 + 44}{4 + 4} - \frac{444}{4 + 4 + 4} = \frac{55555 + 55}{5 + 5} - \frac{555}{5 + 5 + 5} = \frac{66666 + 66}{6 + 6} - \frac{666}{6 + 6 + 6} \\ &:= \frac{77777 + 77}{7 + 7} - \frac{777}{7 + 7 + 7} = \frac{88888 + 88}{8 + 8} - \frac{888}{8 + 8 + 8} = \frac{99999 + 99}{9 + 9} - \frac{999}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55524} &:= \frac{111111 + 11}{1 + 1} - \frac{111}{1 + 1 + 1} = \frac{222222 + 22}{2 + 2} - \frac{222}{2 + 2 + 2} = \frac{333333 + 33}{3 + 3} - \frac{333}{3 + 3 + 3} \\ &:= \frac{444444 + 44}{4 + 4} - \frac{444}{4 + 4 + 4} = \frac{555555 + 55}{5 + 5} - \frac{555}{5 + 5 + 5} = \frac{666666 + 66}{6 + 6} - \frac{666}{6 + 6 + 6} \\ &:= \frac{777777 + 77}{7 + 7} - \frac{777}{7 + 7 + 7} = \frac{888888 + 88}{8 + 8} - \frac{888}{8 + 8 + 8} = \frac{999999 + 99}{9 + 9} - \frac{999}{9 + 9 + 9} \end{aligned}$$

$$\textcolor{red}{555524} := \frac{1111111 + 11}{1 + 1} - \frac{111}{1 + 1 + 1} = \frac{2222222 + 22}{2 + 2} - \frac{222}{2 + 2 + 2} = \frac{3333333 + 33}{3 + 3} - \frac{333}{3 + 3 + 3}$$

$$\begin{aligned} &:= \frac{4444444 + 44}{4 + 4} - \frac{444}{4 + 4 + 4} = \frac{5555555 + 55}{5 + 5} - \frac{555}{5 + 5 + 5} = \frac{6666666 + 66}{6 + 6} - \frac{666}{6 + 6 + 6} \\ &:= \frac{7777777 + 77}{7 + 7} - \frac{777}{7 + 7 + 7} = \frac{8888888 + 88}{8 + 8} - \frac{888}{8 + 8 + 8} = \frac{9999999 + 99}{9 + 9} - \frac{999}{9 + 9 + 9} \end{aligned}$$

► **525** := $\frac{(11 + 11 + 1 + 1 + 1) \times (11 + 11 - 1)}{1 \times 1} = \frac{(22 + 22 + 2 + 2 + 2) \times (22 + 22 - 2)}{2 \times 2} = \frac{(33 + 33 + 3 + 3 + 3) \times (33 + 33 - 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 4 + 4 + 4) \times (44 + 44 - 4)}{4 \times 4} = \frac{(55 + 55 + 5 + 5 + 5) \times (55 + 55 - 5)}{5 \times 5} = \frac{(66 + 66 + 6 + 6 + 6) \times (66 + 66 - 6)}{6 \times 6} \\ &:= \frac{(77 + 77 + 7 + 7 + 7) \times (77 + 77 - 7)}{7 \times 7} = \frac{(88 + 88 + 8 + 8 + 8) \times (88 + 88 - 8)}{8 \times 8} = \frac{(99 + 99 + 9 + 9 + 9) \times (99 + 99 - 9)}{9 \times 9} \end{aligned}$$

5525 := $\frac{(11 + 11 + 1 + 1 + 1) \times (111 + 111 - 1)}{1 \times 1} = \frac{(22 + 22 + 2 + 2 + 2) \times (222 + 222 - 2)}{2 \times 2} = \frac{(33 + 33 + 3 + 3 + 3) \times (333 + 333 - 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 4 + 4 + 4) \times (444 + 444 - 4)}{4 \times 4} = \frac{(55 + 55 + 5 + 5 + 5) \times (555 + 555 - 5)}{5 \times 5} = \frac{(66 + 66 + 6 + 6 + 6) \times (666 + 666 - 6)}{6 \times 6} \\ &:= \frac{(77 + 77 + 7 + 7 + 7) \times (777 + 777 - 7)}{7 \times 7} = \frac{(88 + 88 + 8 + 8 + 8) \times (888 + 888 - 8)}{8 \times 8} = \frac{(99 + 99 + 9 + 9 + 9) \times (999 + 999 - 9)}{9 \times 9} \end{aligned}$$

55525 := $\frac{(11 + 11 + 1 + 1 + 1) \times (1111 + 1111 - 1)}{1 \times 1} = \frac{(22 + 22 + 2 + 2 + 2) \times (2222 + 2222 - 2)}{2 \times 2} = \frac{(33 + 33 + 3 + 3 + 3) \times (3333 + 3333 - 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 4 + 4 + 4) \times (4444 + 4444 - 4)}{4 \times 4} = \frac{(55 + 55 + 5 + 5 + 5) \times (5555 + 5555 - 5)}{5 \times 5} = \frac{(66 + 66 + 6 + 6 + 6) \times (6666 + 6666 - 6)}{6 \times 6} \\ &:= \frac{(77 + 77 + 7 + 7 + 7) \times (7777 + 7777 - 7)}{7 \times 7} = \frac{(88 + 88 + 8 + 8 + 8) \times (8888 + 8888 - 8)}{8 \times 8} = \frac{(99 + 99 + 9 + 9 + 9) \times (9999 + 9999 - 9)}{9 \times 9} \end{aligned}$$

555525 := $\frac{(11 + 11 + 1 + 1 + 1) \times (11111 + 11111 - 1)}{1 \times 1} = \frac{(22 + 22 + 2 + 2 + 2) \times (22222 + 22222 - 2)}{2 \times 2} = \frac{(33 + 33 + 3 + 3 + 3) \times (33333 + 33333 - 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 4 + 4 + 4) \times (44444 + 44444 - 4)}{4 \times 4} = \frac{(55 + 55 + 5 + 5 + 5) \times (55555 + 55555 - 5)}{5 \times 5} = \frac{(66 + 66 + 6 + 6 + 6) \times (66666 + 66666 - 6)}{6 \times 6} \\ &:= \frac{(77 + 77 + 7 + 7 + 7) \times (77777 + 77777 - 7)}{7 \times 7} = \frac{(88 + 88 + 8 + 8 + 8) \times (88888 + 88888 - 8)}{8 \times 8} = \frac{(99 + 99 + 9 + 9 + 9) \times (99999 + 99999 - 9)}{9 \times 9} \end{aligned}$$

► **526** := $\frac{(11 + 11 + 1 + 1 + 1) \times (11 + 11 - 1) + 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 2 + 2 + 2) \times (22 + 22 - 2) + 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 3 + 3 + 3) \times (33 + 33 - 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 4 + 4 + 4) \times (44 + 44 - 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 5 + 5 + 5) \times (55 + 55 - 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 6 + 6 + 6) \times (66 + 66 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 7 + 7 + 7) \times (77 + 77 - 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 8 + 8 + 8) \times (88 + 88 - 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 9 + 9 + 9) \times (99 + 99 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

5526 := $\frac{(11 + 11 + 1 + 1 + 1) \times (111 + 111 - 1) + 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 2 + 2 + 2) \times (222 + 222 - 2) + 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 3 + 3 + 3) \times (333 + 333 - 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 + 4 + 4 + 4) \times (444 + 444 - 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 5 + 5 + 5) \times (555 + 555 - 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 6 + 6 + 6) \times (666 + 666 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 7 + 7 + 7) \times (777 + 777 - 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 8 + 8 + 8) \times (888 + 888 - 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 9 + 9 + 9) \times (999 + 999 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \text{55526} &:= \frac{(11+11+1+1+1) \times (1111+1111-1) + 1 \times 1}{1 \times 1} = \frac{(22+22+2+2+2) \times (2222+2222-2) + 2 \times 2}{2 \times 2} = \frac{(33+33+3+3+3) \times (3333+3333-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4+4+4) \times (4444+4444-4) + 4 \times 4}{4 \times 4} = \frac{(55+55+5+5+5) \times (5555+5555-5) + 5 \times 5}{5 \times 5} = \frac{(66+66+6+6+6) \times (6666+6666-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7+7+7) \times (7777+7777-7) + 7 \times 7}{7 \times 7} = \frac{(88+88+8+8+8) \times (8888+8888-8) + 8 \times 8}{8 \times 8} = \frac{(99+99+9+9+9) \times (9999+9999-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{555526} &:= \frac{(11+11+1+1+1) \times (11111+11111-1) + 1 \times 1}{1 \times 1} = \frac{(22+22+2+2+2) \times (22222+22222-2) + 2 \times 2}{2 \times 2} = \frac{(33+33+3+3+3) \times (33333+33333-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+4+4+4) \times (44444+44444-4) + 4 \times 4}{4 \times 4} = \frac{(55+55+5+5+5) \times (55555+55555-5) + 5 \times 5}{5 \times 5} = \frac{(66+66+6+6+6) \times (66666+66666-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+7+7+7) \times (77777+77777-7) + 7 \times 7}{7 \times 7} = \frac{(88+88+8+8+8) \times (88888+88888-8) + 8 \times 8}{8 \times 8} = \frac{(99+99+9+9+9) \times (99999+99999-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 527 &:= \frac{(11+11+11+11) \times (11+1) - 1 \times 1}{1 \times 1} = \frac{(22+22+22+22) \times (22+2) - 2 \times 2}{2 \times 2} = \frac{(33+33+33+33) \times (33+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44+44) \times (44+4) - 4 \times 4}{4 \times 4} = \frac{(55+55+55+55) \times (55+5) - 5 \times 5}{5 \times 5} = \frac{(66+66+66+66) \times (66+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77+77) \times (77+7) - 7 \times 7}{7 \times 7} = \frac{(88+88+88+88) \times (88+8) - 8 \times 8}{8 \times 8} = \frac{(99+99+99+99) \times (99+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \text{5327} &:= \frac{(111 + 111 + 111 + 111) \times (11 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 222 + 222) \times (22 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 333 + 333) \times (33 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444 + 444 + 444) \times (44 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 555 + 555) \times (55 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 666 + 666) \times (66 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 777 + 777) \times (77 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 888 + 888) \times (88 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 999 + 999) \times (99 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \text{53327} &:= \frac{(1111 + 1111 + 1111 + 1111) \times (11 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 2222 + 2222 + 2222) \times (22 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 3333 + 3333 + 3333) \times (33 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4444 + 4444 + 4444) \times (44 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 + 5555 + 5555 + 5555) \times (55 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 + 6666 + 6666 + 6666) \times (66 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7777 + 7777 + 7777) \times (77 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 8888 + 8888 + 8888) \times (88 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 9999 + 9999 + 9999) \times (99 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \text{533327} &:= \frac{(11111 + 11111 + 11111 + 11111) \times (11 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22222 + 22222 + 22222) \times (22 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33333 + 33333 + 33333) \times (33 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44444 + 44444 + 44444) \times (44 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55555 + 55555 + 55555) \times (55 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66666 + 66666 + 66666) \times (66 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77777 + 77777 + 77777) \times (77 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88888 + 88888 + 88888) \times (88 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99999 + 99999 + 99999) \times (99 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► **528** := $\frac{(11 + 11 + 11 + 11) \times (11 + 1)}{1 \times 1} = \frac{(22 + 22 + 22 + 22) \times (22 + 2)}{2 \times 2} = \frac{(33 + 33 + 33 + 33) \times (33 + 3)}{3 \times 3}$
:= $\frac{(44 + 44 + 44 + 44) \times (44 + 4)}{4 \times 4} = \frac{(55 + 55 + 55 + 55) \times (55 + 5)}{5 \times 5} = \frac{(66 + 66 + 66 + 66) \times (66 + 6)}{6 \times 6}$
:= $\frac{(77 + 77 + 77 + 77) \times (77 + 7)}{7 \times 7} = \frac{(88 + 88 + 88 + 88) \times (88 + 8)}{8 \times 8} = \frac{(99 + 99 + 99 + 99) \times (99 + 9)}{9 \times 9}$

5328

$$\begin{aligned} &:= \frac{(111 + 111 + 111 + 111) \times (11 + 1)}{1 \times 1} = \frac{(222 + 222 + 222 + 222) \times (22 + 2)}{2 \times 2} = \frac{(333 + 333 + 333 + 333) \times (33 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 444 + 444) \times (44 + 4)}{4 \times 4} = \frac{(555 + 555 + 555 + 555) \times (55 + 5)}{5 \times 5} = \frac{(666 + 666 + 666 + 666) \times (66 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 777 + 777) \times (77 + 7)}{7 \times 7} = \frac{(888 + 888 + 888 + 888) \times (88 + 8)}{8 \times 8} = \frac{(999 + 999 + 999 + 999) \times (99 + 9)}{9 \times 9} \end{aligned}$$

53328

$$\begin{aligned} &:= \frac{(1111 + 1111 + 1111 + 1111) \times (11 + 1)}{1 \times 1} = \frac{(2222 + 2222 + 2222 + 2222) \times (22 + 2)}{2 \times 2} = \frac{(3333 + 3333 + 3333 + 3333) \times (33 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 4444 + 4444 + 4444) \times (44 + 4)}{4 \times 4} = \frac{(5555 + 5555 + 5555 + 5555) \times (55 + 5)}{5 \times 5} = \frac{(6666 + 6666 + 6666 + 6666) \times (66 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 7777 + 7777 + 7777) \times (77 + 7)}{7 \times 7} = \frac{(8888 + 8888 + 8888 + 8888) \times (88 + 8)}{8 \times 8} = \frac{(9999 + 9999 + 9999 + 9999) \times (99 + 9)}{9 \times 9} \end{aligned}$$

533328

$$\begin{aligned} &:= \frac{(11111 + 11111 + 11111 + 11111) \times (11 + 1)}{1 \times 1} = \frac{(22222 + 22222 + 22222 + 22222) \times (22 + 2)}{2 \times 2} = \frac{(33333 + 33333 + 33333 + 33333) \times (33 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44444 + 44444 + 44444) \times (44 + 4)}{4 \times 4} = \frac{(55555 + 55555 + 55555 + 55555) \times (55 + 5)}{5 \times 5} = \frac{(66666 + 66666 + 66666 + 66666) \times (66 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77777 + 77777 + 77777) \times (77 + 7)}{7 \times 7} = \frac{(88888 + 88888 + 88888 + 88888) \times (88 + 8)}{8 \times 8} = \frac{(99999 + 99999 + 99999 + 99999) \times (99 + 9)}{9 \times 9} \end{aligned}$$

529

$$\begin{aligned} &:= \frac{(11 + 11 + 1) \times (11 + 11 + 1)}{1 \times 1} = \frac{(22 + 22 + 2) \times (22 + 22 + 2)}{2 \times 2} = \frac{(33 + 33 + 3) \times (33 + 33 + 3)}{3 \times 3} \\ &:= \frac{(44 + 44 + 4) \times (44 + 44 + 4)}{4 \times 4} = \frac{(55 + 55 + 5) \times (55 + 55 + 5)}{5 \times 5} = \frac{(66 + 66 + 6) \times (66 + 66 + 6)}{6 \times 6} \\ &:= \frac{(77 + 77 + 7) \times (77 + 77 + 7)}{7 \times 7} = \frac{(88 + 88 + 8) \times (88 + 88 + 8)}{8 \times 8} = \frac{(99 + 99 + 9) \times (99 + 99 + 9)}{9 \times 9} \end{aligned}$$

5129

$$\begin{aligned} &:= \frac{(111 + 111 + 1) \times (11 + 11 + 1)}{1 \times 1} = \frac{(222 + 222 + 2) \times (22 + 22 + 2)}{2 \times 2} = \frac{(333 + 333 + 3) \times (33 + 33 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 4) \times (44 + 44 + 4)}{4 \times 4} = \frac{(555 + 555 + 5) \times (55 + 55 + 5)}{5 \times 5} = \frac{(666 + 666 + 6) \times (66 + 66 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 7) \times (77 + 77 + 7)}{7 \times 7} = \frac{(888 + 888 + 8) \times (88 + 88 + 8)}{8 \times 8} = \frac{(999 + 999 + 9) \times (99 + 99 + 9)}{9 \times 9} \end{aligned}$$

51129

$$\begin{aligned} &:= \frac{(1111 + 1111 + 1) \times (11 + 11 + 1)}{1 \times 1} = \frac{(2222 + 2222 + 2) \times (22 + 22 + 2)}{2 \times 2} = \frac{(3333 + 3333 + 3) \times (33 + 33 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 4444 + 4) \times (44 + 44 + 4)}{4 \times 4} = \frac{(5555 + 5555 + 5) \times (55 + 55 + 5)}{5 \times 5} = \frac{(6666 + 6666 + 6) \times (66 + 66 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 7777 + 7) \times (77 + 77 + 7)}{7 \times 7} = \frac{(8888 + 8888 + 8) \times (88 + 88 + 8)}{8 \times 8} = \frac{(9999 + 9999 + 9) \times (99 + 99 + 9)}{9 \times 9} \end{aligned}$$

511129

$$\begin{aligned} &:= \frac{(11111 + 11111 + 1) \times (11 + 11 + 1)}{1 \times 1} = \frac{(22222 + 22222 + 2) \times (22 + 22 + 2)}{2 \times 2} = \frac{(33333 + 33333 + 3) \times (33 + 33 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44444 + 4) \times (44 + 44 + 4)}{4 \times 4} = \frac{(55555 + 55555 + 5) \times (55 + 55 + 5)}{5 \times 5} = \frac{(66666 + 66666 + 6) \times (66 + 66 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77777 + 7) \times (77 + 77 + 7)}{7 \times 7} = \frac{(88888 + 88888 + 8) \times (88 + 88 + 8)}{8 \times 8} = \frac{(99999 + 99999 + 9) \times (99 + 99 + 9)}{9 \times 9} \end{aligned}$$

► **530** :=
$$\frac{(11+11+1) \times (11+11+1) + 1 \times 1}{1 \times 1} = \frac{(22+22+2) \times (22+22+2) + 2 \times 2}{2 \times 2} = \frac{(33+33+3) \times (33+33+3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(44+44+4) \times (44+44+4) + 4 \times 4}{4 \times 4} = \frac{(55+55+5) \times (55+55+5) + 5 \times 5}{5 \times 5} = \frac{(66+66+6) \times (66+66+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77+77+7) \times (77+77+7) + 7 \times 7}{7 \times 7} = \frac{(88+88+8) \times (88+88+8) + 8 \times 8}{8 \times 8} = \frac{(99+99+9) \times (99+99+9) + 9 \times 9}{9 \times 9}$$

5130 :=
$$\frac{(111+111+1) \times (11+11+1) + 1 \times 1}{1 \times 1} = \frac{(222+222+2) \times (22+22+2) + 2 \times 2}{2 \times 2} = \frac{(333+333+3) \times (33+33+3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(444+444+4) \times (44+44+4) + 4 \times 4}{4 \times 4} = \frac{(555+555+5) \times (55+55+5) + 5 \times 5}{5 \times 5} = \frac{(666+666+6) \times (66+66+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777+777+7) \times (77+77+7) + 7 \times 7}{7 \times 7} = \frac{(888+888+8) \times (88+88+8) + 8 \times 8}{8 \times 8} = \frac{(999+999+9) \times (99+99+9) + 9 \times 9}{9 \times 9}$$

51130 :=
$$\frac{(1111+1111+1) \times (11+11+1) + 1 \times 1}{1 \times 1} = \frac{(2222+2222+2) \times (22+22+2) + 2 \times 2}{2 \times 2} = \frac{(3333+3333+3) \times (33+33+3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(4444+4444+4) \times (44+44+4) + 4 \times 4}{4 \times 4} = \frac{(5555+5555+5) \times (55+55+5) + 5 \times 5}{5 \times 5} = \frac{(6666+6666+6) \times (66+66+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777+7777+7) \times (77+77+7) + 7 \times 7}{7 \times 7} = \frac{(8888+8888+8) \times (88+88+8) + 8 \times 8}{8 \times 8} = \frac{(9999+9999+9) \times (99+99+9) + 9 \times 9}{9 \times 9}$$

511130 :=
$$\frac{(11111+11111+1) \times (11+11+1) + 1 \times 1}{1 \times 1} = \frac{(22222+22222+2) \times (22+22+2) + 2 \times 2}{2 \times 2} = \frac{(33333+33333+3) \times (33+33+3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(44444+44444+4) \times (44+44+4) + 4 \times 4}{4 \times 4} = \frac{(55555+55555+5) \times (55+55+5) + 5 \times 5}{5 \times 5} = \frac{(66666+66666+6) \times (66+66+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777+77777+7) \times (77+77+7) + 7 \times 7}{7 \times 7} = \frac{(88888+88888+8) \times (88+88+8) + 8 \times 8}{8 \times 8} = \frac{(99999+99999+9) \times (99+99+9) + 9 \times 9}{9 \times 9}$$

► **531** :=
$$\frac{(11+11+1) \times (11+11+1) + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+2) \times (22+22+2) + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+3) \times (33+33+3) + 3 \times (3+3)}{3 \times 3}$$
$$:= \frac{(44+44+4) \times (44+44+4) + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+5) \times (55+55+5) + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+6) \times (66+66+6) + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77+77+7) \times (77+77+7) + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+8) \times (88+88+8) + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+9) \times (99+99+9) + 9 \times (9+9)}{9 \times 9}$$

5131 :=
$$\frac{(111+111+1) \times (11+11+1) + 1 \times (1+1)}{1 \times 1} = \frac{(222+222+2) \times (22+22+2) + 2 \times (2+2)}{2 \times 2} = \frac{(333+333+3) \times (33+33+3) + 3 \times (3+3)}{3 \times 3}$$
$$:= \frac{(444+444+4) \times (44+44+4) + 4 \times (4+4)}{4 \times 4} = \frac{(555+555+5) \times (55+55+5) + 5 \times (5+5)}{5 \times 5} = \frac{(666+666+6) \times (66+66+6) + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(777+777+7) \times (77+77+7) + 7 \times (7+7)}{7 \times 7} = \frac{(888+888+8) \times (88+88+8) + 8 \times (8+8)}{8 \times 8} = \frac{(999+999+9) \times (99+99+9) + 9 \times (9+9)}{9 \times 9}$$

51131 :=
$$\frac{(1111+1111+1) \times (11+11+1) + 1 \times (1+1)}{1 \times 1} = \frac{(2222+2222+2) \times (22+22+2) + 2 \times (2+2)}{2 \times 2} = \frac{(3333+3333+3) \times (33+33+3) + 3 \times (3+3)}{3 \times 3}$$
$$:= \frac{(4444+4444+4) \times (44+44+4) + 4 \times (4+4)}{4 \times 4} = \frac{(5555+5555+5) \times (55+55+5) + 5 \times (5+5)}{5 \times 5} = \frac{(6666+6666+6) \times (66+66+6) + 6 \times (6+6)}{6 \times 6}$$

$$\begin{aligned} &:= \frac{(7777 + 7777 + 7) \times (77 + 77 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(8888 + 8888 + 8) \times (88 + 88 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(9999 + 9999 + 9) \times (99 + 99 + 9) + 9 \times (9 + 9)}{9 \times 9} \\ \textcolor{red}{511131} &:= \frac{(11111 + 11111 + 1) \times (11 + 11 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(22222 + 22222 + 2) \times (22 + 22 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(33333 + 33333 + 3) \times (33 + 33 + 3) + 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 44444 + 4) \times (44 + 44 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(55555 + 55555 + 5) \times (55 + 55 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(66666 + 66666 + 6) \times (66 + 66 + 6) + 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 77777 + 7) \times (77 + 77 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(88888 + 88888 + 8) \times (88 + 88 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(99999 + 99999 + 9) \times (99 + 99 + 9) + 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{532} &:= \frac{(111 + 11 + 11) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 22 + 22) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 33 + 33) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444 + 44 + 44) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 55 + 55) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 66 + 66) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777 + 77 + 77) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 88 + 88) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 99 + 99) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{4532} &:= \frac{(1111 + 11 + 11) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 22 + 22) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 33 + 33) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 44 + 44) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 55 + 55) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 66 + 66) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 77 + 77) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 88 + 88) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 99 + 99) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{44532} &:= \frac{(11111 + 11 + 11) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 22 + 22) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 33 + 33) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 44 + 44) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55 + 55) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66 + 66) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 77 + 77) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88 + 88) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99 + 99) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{444532} &:= \frac{(111111 + 11 + 11) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 22 + 22) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 33 + 33) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 44 + 44) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 55 + 55) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 66 + 66) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 77 + 77) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 88 + 88) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 99 + 99) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{533} &:= \frac{(111 + 11 + 1) \times (11 + 1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 22 + 2) \times (22 + 2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 33 + 3) \times (33 + 3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444 + 44 + 4) \times (44 + 4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 55 + 5) \times (55 + 5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 66 + 6) \times (66 + 6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777 + 77 + 7) \times (77 + 7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 88 + 8) \times (88 + 8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 99 + 9) \times (99 + 9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

5343

$$\begin{aligned} &:= \frac{(1111 + 111 + 11) \times (11 + 1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 222 + 22) \times (22 + 2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 333 + 33) \times (33 + 3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 444 + 44) \times (44 + 4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 555 + 55) \times (55 + 5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 666 + 66) \times (66 + 6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 777 + 77) \times (77 + 7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 888 + 88) \times (88 + 8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 999 + 99) \times (99 + 9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

53443

$$\begin{aligned} &:= \frac{(11111 + 1111 + 111) \times (11 + 1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 2222 + 222) \times (22 + 2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 3333 + 333) \times (33 + 3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 4444 + 444) \times (44 + 4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 5555 + 555) \times (55 + 5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 6666 + 666) \times (66 + 6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 7777 + 777) \times (77 + 7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 8888 + 888) \times (88 + 8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 9999 + 999) \times (99 + 9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

534443

$$\begin{aligned} &:= \frac{(111111 + 11111 + 1111) \times (11 + 1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 22222 + 2222) \times (22 + 2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 33333 + 3333) \times (33 + 3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 44444 + 4444) \times (44 + 4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 55555 + 5555) \times (55 + 5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 66666 + 6666) \times (66 + 6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 77777 + 7777) \times (77 + 7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 88888 + 8888) \times (88 + 8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 99999 + 9999) \times (99 + 9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

► 534

$$\begin{aligned} &:= \frac{1111 - 11 - 11 - 11 - 11 + 1}{1 + 1} = \frac{2222 - 22 - 22 - 22 - 22 + 2}{2 + 2} = \frac{3333 - 33 - 33 - 33 - 33 + 3}{3 + 3} \\ &:= \frac{4444 - 44 - 44 - 44 - 44 + 4}{4 + 4} = \frac{5555 - 55 - 55 - 55 - 55 + 5}{5 + 5} = \frac{6666 - 66 - 66 - 66 - 66 + 6}{6 + 6} \\ &:= \frac{7777 - 77 - 77 - 77 - 77 + 7}{7 + 7} = \frac{8888 - 88 - 88 - 88 - 88 + 8}{8 + 8} = \frac{9999 - 99 - 99 - 99 - 99 + 9}{9 + 9} \end{aligned}$$

5434

$$\begin{aligned} &:= \frac{11111 - 11 - 11 - 11 - 11 + 1}{1 + 1} = \frac{22222 - 22 - 22 - 22 - 22 + 2}{2 + 2} = \frac{33333 - 33 - 33 - 33 - 33 + 3}{3 + 3} \\ &:= \frac{44444 - 44 - 44 - 44 - 44 + 4}{4 + 4} = \frac{55555 - 55 - 55 - 55 - 55 + 5}{5 + 5} = \frac{66666 - 66 - 66 - 66 - 66 + 6}{6 + 6} \\ &:= \frac{77777 - 77 - 77 - 77 - 77 + 7}{7 + 7} = \frac{88888 - 88 - 88 - 88 - 88 + 8}{8 + 8} = \frac{99999 - 99 - 99 - 99 - 99 + 9}{9 + 9} \end{aligned}$$

55534

$$\begin{aligned} &:= \frac{111111 - 11 - 11 - 11 - 11 + 1}{1 + 1} = \frac{222222 - 22 - 22 - 22 - 22 + 2}{2 + 2} = \frac{333333 - 33 - 33 - 33 - 33 + 3}{3 + 3} \\ &:= \frac{444444 - 44 - 44 - 44 - 44 + 4}{4 + 4} = \frac{555555 - 55 - 55 - 55 - 55 + 5}{5 + 5} = \frac{666666 - 66 - 66 - 66 - 66 + 6}{6 + 6} \\ &:= \frac{777777 - 77 - 77 - 77 - 77 + 7}{7 + 7} = \frac{888888 - 88 - 88 - 88 - 88 + 8}{8 + 8} = \frac{999999 - 99 - 99 - 99 - 99 + 9}{9 + 9} \end{aligned}$$

555534

$$\begin{aligned} &:= \frac{1111111 - 11 - 11 - 11 - 11 + 1}{1 + 1} = \frac{2222222 - 22 - 22 - 22 - 22 + 2}{2 + 2} = \frac{3333333 - 33 - 33 - 33 - 33 + 3}{3 + 3} \\ &:= \frac{4444444 - 44 - 44 - 44 - 44 + 4}{4 + 4} = \frac{5555555 - 55 - 55 - 55 - 55 + 5}{5 + 5} = \frac{6666666 - 66 - 66 - 66 - 66 + 6}{6 + 6} \\ &:= \frac{7777777 - 77 - 77 - 77 - 77 + 7}{7 + 7} = \frac{8888888 - 88 - 88 - 88 - 88 + 8}{8 + 8} = \frac{9999999 - 99 - 99 - 99 - 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 535 &:= \frac{(111-1-1-1-1) \times (111-1)}{(11+11) \times 1} = \frac{(222-2-2-2-2) \times (222-2)}{(22+22) \times 2} = \frac{(333-3-3-3-3) \times (333-3)}{(33+33) \times 3} \\ &:= \frac{(444-4-4-4-4) \times (444-4)}{(44+44) \times 4} = \frac{(555-5-5-5-5) \times (555-5)}{(55+55) \times 5} = \frac{(666-6-6-6-6) \times (666-6)}{(66+66) \times 6} \\ &:= \frac{(777-7-7-7-7) \times (777-7)}{(77+77) \times 7} = \frac{(888-8-8-8-8) \times (888-8)}{(88+88) \times 8} = \frac{(999-9-9-9-9) \times (999-9)}{(99+99) \times 9} \end{aligned}$$

$$\begin{aligned} 5535 &:= \frac{(1111-1-1-1-1) \times (111-1)}{(11+11) \times 1} = \frac{(2222-2-2-2-2) \times (222-2)}{(22+22) \times 2} = \frac{(3333-3-3-3-3) \times (333-3)}{(33+33) \times 3} \\ &:= \frac{(4444-4-4-4-4) \times (444-4)}{(44+44) \times 4} = \frac{(5555-5-5-5-5) \times (555-5)}{(55+55) \times 5} = \frac{(6666-6-6-6-6) \times (666-6)}{(66+66) \times 6} \\ &:= \frac{(7777-7-7-7-7) \times (777-7)}{(77+77) \times 7} = \frac{(8888-8-8-8-8) \times (888-8)}{(88+88) \times 8} = \frac{(9999-9-9-9-9) \times (999-9)}{(99+99) \times 9} \end{aligned}$$

$$\begin{aligned} 55535 &:= \frac{(11111-1-1-1-1) \times (111-1)}{(11+11) \times 1} = \frac{(22222-2-2-2-2) \times (222-2)}{(22+22) \times 2} = \frac{(33333-3-3-3-3) \times (333-3)}{(33+33) \times 3} \\ &:= \frac{(44444-4-4-4-4) \times (444-4)}{(44+44) \times 4} = \frac{(55555-5-5-5-5) \times (555-5)}{(55+55) \times 5} = \frac{(66666-6-6-6-6) \times (666-6)}{(66+66) \times 6} \\ &:= \frac{(77777-7-7-7-7) \times (777-7)}{(77+77) \times 7} = \frac{(88888-8-8-8-8) \times (888-8)}{(88+88) \times 8} = \frac{(99999-9-9-9-9) \times (999-9)}{(99+99) \times 9} \end{aligned}$$

$$\begin{aligned} 555535 &:= \frac{(111111-1-1-1-1) \times (111-1)}{(11+11) \times 1} = \frac{(222222-2-2-2-2) \times (222-2)}{(22+22) \times 2} = \frac{(333333-3-3-3-3) \times (333-3)}{(33+33) \times 3} \\ &:= \frac{(444444-4-4-4-4) \times (444-4)}{(44+44) \times 4} = \frac{(555555-5-5-5-5) \times (555-5)}{(55+55) \times 5} = \frac{(666666-6-6-6-6) \times (666-6)}{(66+66) \times 6} \\ &:= \frac{(777777-7-7-7-7) \times (777-7)}{(77+77) \times 7} = \frac{(888888-8-8-8-8) \times (888-8)}{(88+88) \times 8} = \frac{(999999-9-9-9-9) \times (999-9)}{(99+99) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 536 &:= \frac{(111+11+11+1) \times (11+1)}{(1+1+1) \times 1} = \frac{(222+22+22+2) \times (22+2)}{(2+2+2) \times 2} = \frac{(333+33+33+3) \times (33+3)}{(3+3+3) \times 3} \\ &:= \frac{(444+44+44+4) \times (44+4)}{(4+4+4) \times 4} = \frac{(555+55+55+5) \times (55+5)}{(5+5+5) \times 5} = \frac{(666+66+66+6) \times (66+6)}{(6+6+6) \times 6} \\ &:= \frac{(777+77+77+7) \times (77+7)}{(7+7+7) \times 7} = \frac{(888+88+88+8) \times (88+8)}{(8+8+8) \times 8} = \frac{(999+99+99+9) \times (99+9)}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 4536 &:= \frac{(1111+11+11+1) \times (11+1)}{(1+1+1) \times 1} = \frac{(2222+22+22+2) \times (22+2)}{(2+2+2) \times 2} = \frac{(3333+33+33+3) \times (33+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444+44+44+4) \times (44+4)}{(4+4+4) \times 4} = \frac{(5555+55+55+5) \times (55+5)}{(5+5+5) \times 5} = \frac{(6666+66+66+6) \times (66+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777+77+77+7) \times (77+7)}{(7+7+7) \times 7} = \frac{(8888+88+88+8) \times (88+8)}{(8+8+8) \times 8} = \frac{(9999+99+99+9) \times (99+9)}{(9+9+9) \times 9} \end{aligned}$$

$$44536 := \frac{(11111+11+11+1) \times (11+1)}{(1+1+1) \times 1} = \frac{(22222+22+22+2) \times (22+2)}{(2+2+2) \times 2} = \frac{(33333+33+33+3) \times (33+3)}{(3+3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(44444 + 44 + 44 + 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55 + 55 + 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66 + 66 + 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 77 + 77 + 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88 + 88 + 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99 + 99 + 9) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

444536

$$\begin{aligned} &:= \frac{(111111 + 11 + 11 + 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 22 + 22 + 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 33 + 33 + 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 44 + 44 + 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 55 + 55 + 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 66 + 66 + 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 77 + 77 + 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 88 + 88 + 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 99 + 99 + 9) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

► 537

$$\begin{aligned} &:= \frac{1111 - 11 - 11 - 11 - 1 - 1 - 1 - 1}{1 + 1} = \frac{2222 - 22 - 22 - 22 - 2 - 2 - 2 - 2}{2 + 2} = \frac{3333 - 33 - 33 - 33 - 3 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{4444 - 44 - 44 - 44 - 4 - 4 - 4 - 4}{4 + 4} = \frac{5555 - 55 - 55 - 55 - 5 - 5 - 5 - 5}{5 + 5} = \frac{6666 - 66 - 66 - 66 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{7777 - 77 - 77 - 77 - 7 - 7 - 7 - 7}{7 + 7} = \frac{8888 - 88 - 88 - 88 - 8 - 8 - 8 - 8}{8 + 8} = \frac{9999 - 99 - 99 - 99 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

5537

$$\begin{aligned} &:= \frac{11111 - 11 - 11 - 11 - 1 - 1 - 1 - 1}{1 + 1} = \frac{22222 - 22 - 22 - 22 - 2 - 2 - 2 - 2}{2 + 2} = \frac{33333 - 33 - 33 - 33 - 3 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{44444 - 44 - 44 - 44 - 4 - 4 - 4 - 4}{4 + 4} = \frac{55555 - 55 - 55 - 55 - 5 - 5 - 5 - 5}{5 + 5} = \frac{66666 - 66 - 66 - 66 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{77777 - 77 - 77 - 77 - 7 - 7 - 7 - 7}{7 + 7} = \frac{88888 - 88 - 88 - 88 - 8 - 8 - 8 - 8}{8 + 8} = \frac{99999 - 99 - 99 - 99 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

55537

$$\begin{aligned} &:= \frac{111111 - 11 - 11 - 11 - 1 - 1 - 1 - 1}{1 + 1} = \frac{222222 - 22 - 22 - 22 - 2 - 2 - 2 - 2}{2 + 2} = \frac{333333 - 33 - 33 - 33 - 3 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{444444 - 44 - 44 - 44 - 4 - 4 - 4 - 4}{4 + 4} = \frac{555555 - 55 - 55 - 55 - 5 - 5 - 5 - 5}{5 + 5} = \frac{666666 - 66 - 66 - 66 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{777777 - 77 - 77 - 77 - 7 - 7 - 7 - 7}{7 + 7} = \frac{888888 - 88 - 88 - 88 - 8 - 8 - 8 - 8}{8 + 8} = \frac{999999 - 99 - 99 - 99 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

555537

$$\begin{aligned} &:= \frac{1111111 - 11 - 11 - 11 - 1 - 1 - 1 - 1}{1 + 1} = \frac{2222222 - 22 - 22 - 22 - 2 - 2 - 2 - 2}{2 + 2} = \frac{3333333 - 33 - 33 - 33 - 3 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{4444444 - 44 - 44 - 44 - 4 - 4 - 4 - 4}{4 + 4} = \frac{5555555 - 55 - 55 - 55 - 5 - 5 - 5 - 5}{5 + 5} = \frac{6666666 - 66 - 66 - 66 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{7777777 - 77 - 77 - 77 - 7 - 7 - 7 - 7}{7 + 7} = \frac{8888888 - 88 - 88 - 88 - 8 - 8 - 8 - 8}{8 + 8} = \frac{9999999 - 99 - 99 - 99 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

► 538

$$\begin{aligned} &:= \frac{1111 - 11 - 11 - 11 - 1 - 1}{1 + 1} = \frac{2222 - 22 - 22 - 22 - 2 - 2}{2 + 2} = \frac{3333 - 33 - 33 - 33 - 3 - 3}{3 + 3} \\ &:= \frac{4444 - 44 - 44 - 44 - 4 - 4}{4 + 4} = \frac{5555 - 55 - 55 - 55 - 5 - 5}{5 + 5} = \frac{6666 - 66 - 66 - 66 - 6 - 6}{6 + 6} \\ &:= \frac{7777 - 77 - 77 - 77 - 7 - 7}{7 + 7} = \frac{8888 - 88 - 88 - 88 - 8 - 8}{8 + 8} = \frac{9999 - 99 - 99 - 99 - 9 - 9}{9 + 9} \end{aligned}$$

5538

$$\begin{aligned} &:= \frac{11111-11-11-11-1-1}{1+1} = \frac{22222-22-22-22-2-2}{2+2} = \frac{33333-33-33-33-3-3}{3+3} \\ &:= \frac{44444-44-44-44-4-4}{4+4} = \frac{55555-55-55-55-5-5}{5+5} = \frac{66666-66-66-66-6-6}{6+6} \\ &:= \frac{77777-77-77-77-7-7}{7+7} = \frac{88888-88-88-88-8-8}{8+8} = \frac{99999-99-99-99-9-9}{9+9} \end{aligned}$$

55538

$$\begin{aligned} &:= \frac{111111-11-11-11-1-1}{1+1} = \frac{222222-22-22-22-2-2}{2+2} = \frac{333333-33-33-33-3-3}{3+3} \\ &:= \frac{444444-44-44-44-4-4}{4+4} = \frac{555555-55-55-55-5-5}{5+5} = \frac{666666-66-66-66-6-6}{6+6} \\ &:= \frac{777777-77-77-77-7-7}{7+7} = \frac{888888-88-88-88-8-8}{8+8} = \frac{999999-99-99-99-9-9}{9+9} \end{aligned}$$

555538

$$\begin{aligned} &:= \frac{1111111-11-11-11-1-1}{1+1} = \frac{2222222-22-22-22-2-2}{2+2} = \frac{3333333-33-33-33-3-3}{3+3} \\ &:= \frac{4444444-44-44-44-4-4}{4+4} = \frac{5555555-55-55-55-5-5}{5+5} = \frac{6666666-66-66-66-6-6}{6+6} \\ &:= \frac{7777777-77-77-77-7-7}{7+7} = \frac{8888888-88-88-88-8-8}{8+8} = \frac{9999999-99-99-99-9-9}{9+9} \end{aligned}$$

► 539

$$\begin{aligned} &:= \frac{1111-11-11-11}{1+1} = \frac{2222-22-22-22}{2+2} = \frac{3333-33-33-33}{3+3} \\ &:= \frac{4444-44-44-44}{4+4} = \frac{5555-55-55-55}{5+5} = \frac{6666-66-66-66}{6+6} \\ &:= \frac{7777-77-77-77}{7+7} = \frac{8888-88-88-88}{8+8} = \frac{9999-99-99-99}{9+9} \end{aligned}$$

5539

$$\begin{aligned} &:= \frac{11111-11-11-11}{1+1} = \frac{22222-22-22-22}{2+2} = \frac{33333-33-33-33}{3+3} \\ &:= \frac{44444-44-44-44}{4+4} = \frac{55555-55-55-55}{5+5} = \frac{66666-66-66-66}{6+6} \\ &:= \frac{77777-77-77-77}{7+7} = \frac{88888-88-88-88}{8+8} = \frac{99999-99-99-99}{9+9} \end{aligned}$$

55539

$$\begin{aligned} &:= \frac{111111-11-11-11}{1+1} = \frac{222222-22-22-22}{2+2} = \frac{333333-33-33-33}{3+3} \\ &:= \frac{444444-44-44-44}{4+4} = \frac{555555-55-55-55}{5+5} = \frac{666666-66-66-66}{6+6} \\ &:= \frac{777777-77-77-77}{7+7} = \frac{888888-88-88-88}{8+8} = \frac{999999-99-99-99}{9+9} \end{aligned}$$

555539

$$\begin{aligned} &:= \frac{1111111-11-11-11}{1+1} = \frac{2222222-22-22-22}{2+2} = \frac{3333333-33-33-33}{3+3} \\ &:= \frac{4444444-44-44-44}{4+4} = \frac{5555555-55-55-55}{5+5} = \frac{6666666-66-66-66}{6+6} \end{aligned}$$

$$:= \frac{7777777-77-77-77}{7+7} = \frac{8888888-88-88-88}{8+8} = \frac{9999999-99-99-99}{9+9}$$

$$\begin{aligned} \blacktriangleright \quad \textbf{540} &:= \frac{1111-11-11-11+1+1}{1+1} = \frac{2222-22-22-22+2+2}{2+2} = \frac{3333-33-33-33+3+3}{3+3} \\ &:= \frac{4444-44-44-44+4+4}{4+4} = \frac{5555-55-55-55+5+5}{5+5} = \frac{6666-66-66-66+6+6}{6+6} \\ &:= \frac{7777-77-77-77+7+7}{7+7} = \frac{8888-88-88-88+8+8}{8+8} = \frac{9999-99-99-99+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textbf{5540} &:= \frac{11111-11-11-11+1+1}{1+1} = \frac{22222-22-22-22+2+2}{2+2} = \frac{33333-33-33-33+3+3}{3+3} \\ &:= \frac{44444-44-44-44+4+4}{4+4} = \frac{55555-55-55-55+5+5}{5+5} = \frac{66666-66-66-66+6+6}{6+6} \\ &:= \frac{77777-77-77-77+7+7}{7+7} = \frac{88888-88-88-88+8+8}{8+8} = \frac{99999-99-99-99+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textbf{55540} &:= \frac{111111-11-11-11+1+1}{1+1} = \frac{222222-22-22-22+2+2}{2+2} = \frac{333333-33-33-33+3+3}{3+3} \\ &:= \frac{444444-44-44-44+4+4}{4+4} = \frac{555555-55-55-55+5+5}{5+5} = \frac{666666-66-66-66+6+6}{6+6} \\ &:= \frac{777777-77-77-77+7+7}{7+7} = \frac{888888-88-88-88+8+8}{8+8} = \frac{999999-99-99-99+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textbf{555540} &:= \frac{1111111-11-11-11+1+1}{1+1} = \frac{2222222-22-22-22+2+2}{2+2} = \frac{3333333-33-33-33+3+3}{3+3} \\ &:= \frac{4444444-44-44-44+4+4}{4+4} = \frac{5555555-55-55-55+5+5}{5+5} = \frac{6666666-66-66-66+6+6}{6+6} \\ &:= \frac{7777777-77-77-77+7+7}{7+7} = \frac{8888888-88-88-88+8+8}{8+8} = \frac{9999999-99-99-99+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \textbf{541} &:= \frac{1111-11-11-11+1+1+1+1}{1+1} = \frac{2222-22-22-22+2+2+2+2}{2+2} = \frac{3333-33-33-33+3+3+3+3}{3+3} \\ &:= \frac{4444-44-44-44+4+4+4+4}{4+4} = \frac{5555-55-55-55+5+5+5+5}{5+5} = \frac{6666-66-66-66+6+6+6+6}{6+6} \\ &:= \frac{7777-77-77-77+7+7+7+7}{7+7} = \frac{8888-88-88-88+8+8+8+8}{8+8} = \frac{9999-99-99-99+9+9+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \textbf{5541} &:= \frac{11111-11-11-11+1+1+1+1}{1+1} = \frac{22222-22-22-22+2+2+2+2}{2+2} = \frac{33333-33-33-33+3+3+3+3}{3+3} \\ &:= \frac{44444-44-44-44+4+4+4+4}{4+4} = \frac{55555-55-55-55+5+5+5+5}{5+5} = \frac{66666-66-66-66+6+6+6+6}{6+6} \\ &:= \frac{77777-77-77-77+7+7+7+7}{7+7} = \frac{88888-88-88-88+8+8+8+8}{8+8} = \frac{99999-99-99-99+9+9+9+9}{9+9} \end{aligned}$$

$$\textbf{55541} := \frac{111111-11-11-11+1+1+1+1}{1+1} = \frac{222222-22-22-22+2+2+2+2}{2+2} = \frac{333333-33-33-33+3+3+3+3}{3+3}$$

$$\begin{aligned} &:= \frac{444444 - 44 - 44 - 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{555555 - 55 - 55 - 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{666666 - 66 - 66 - 66 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{777777 - 77 - 77 - 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{888888 - 88 - 88 - 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{999999 - 99 - 99 - 99 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555541} &:= \frac{1111111 - 11 - 11 - 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222222 - 22 - 22 - 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333333 - 33 - 33 - 33 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 - 44 - 44 - 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555555 - 55 - 55 - 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666666 - 66 - 66 - 66 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 - 77 - 77 - 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888888 - 88 - 88 - 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999999 - 99 - 99 - 99 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{542} &:= \frac{1111 - 1}{1 + 1} - \frac{11 + 1 + 1}{1} = \frac{2222 - 2}{2 + 2} - \frac{22 + 2 + 2}{2} = \frac{3333 - 3}{3 + 3} - \frac{33 + 3 + 3}{3} \\ &:= \frac{4444 - 4}{4 + 4} - \frac{44 + 4 + 4}{4} = \frac{5555 - 5}{5 + 5} - \frac{55 + 5 + 5}{5} = \frac{6666 - 6}{6 + 6} - \frac{66 + 6 + 6}{6} \\ &:= \frac{7777 - 7}{7 + 7} - \frac{77 + 7 + 7}{7} = \frac{8888 - 8}{8 + 8} - \frac{88 + 8 + 8}{8} = \frac{9999 - 9}{9 + 9} - \frac{99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5542} &:= \frac{11111 - 1}{1 + 1} - \frac{11 + 1 + 1}{1} = \frac{22222 - 2}{2 + 2} - \frac{22 + 2 + 2}{2} = \frac{33333 - 3}{3 + 3} - \frac{33 + 3 + 3}{3} \\ &:= \frac{44444 - 4}{4 + 4} - \frac{44 + 4 + 4}{4} = \frac{55555 - 5}{5 + 5} - \frac{55 + 5 + 5}{5} = \frac{66666 - 6}{6 + 6} - \frac{66 + 6 + 6}{6} \\ &:= \frac{77777 - 7}{7 + 7} - \frac{77 + 7 + 7}{7} = \frac{88888 - 8}{8 + 8} - \frac{88 + 8 + 8}{8} = \frac{99999 - 9}{9 + 9} - \frac{99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55542} &:= \frac{111111 - 1}{1 + 1} - \frac{11 + 1 + 1}{1} = \frac{222222 - 2}{2 + 2} - \frac{22 + 2 + 2}{2} = \frac{333333 - 3}{3 + 3} - \frac{33 + 3 + 3}{3} \\ &:= \frac{444444 - 4}{4 + 4} - \frac{44 + 4 + 4}{4} = \frac{555555 - 5}{5 + 5} - \frac{55 + 5 + 5}{5} = \frac{666666 - 6}{6 + 6} - \frac{66 + 6 + 6}{6} \\ &:= \frac{777777 - 7}{7 + 7} - \frac{77 + 7 + 7}{7} = \frac{888888 - 8}{8 + 8} - \frac{88 + 8 + 8}{8} = \frac{999999 - 9}{9 + 9} - \frac{99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555542} &:= \frac{1111111 - 1}{1 + 1} - \frac{11 + 1 + 1}{1} = \frac{2222222 - 2}{2 + 2} - \frac{22 + 2 + 2}{2} = \frac{3333333 - 3}{3 + 3} - \frac{33 + 3 + 3}{3} \\ &:= \frac{4444444 - 4}{4 + 4} - \frac{44 + 4 + 4}{4} = \frac{5555555 - 5}{5 + 5} - \frac{55 + 5 + 5}{5} = \frac{6666666 - 6}{6 + 6} - \frac{66 + 6 + 6}{6} \\ &:= \frac{7777777 - 7}{7 + 7} - \frac{77 + 7 + 7}{7} = \frac{8888888 - 8}{8 + 8} - \frac{88 + 8 + 8}{8} = \frac{9999999 - 9}{9 + 9} - \frac{99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{543} &:= \frac{1111 - 1}{1 + 1} - \frac{11 + 1}{1} = \frac{2222 - 2}{2 + 2} - \frac{22 + 2}{2} = \frac{3333 - 3}{3 + 3} - \frac{33 + 3}{3} \\ &:= \frac{4444 - 4}{4 + 4} - \frac{44 + 4}{4} = \frac{5555 - 5}{5 + 5} - \frac{55 + 5}{5} = \frac{6666 - 6}{6 + 6} - \frac{66 + 6}{6} \\ &:= \frac{7777 - 7}{7 + 7} - \frac{77 + 7}{7} = \frac{8888 - 8}{8 + 8} - \frac{88 + 8}{8} = \frac{9999 - 9}{9 + 9} - \frac{99 + 9}{9} \end{aligned}$$

5543

$$\begin{aligned}
&:= \frac{11111-1}{1+1} - \frac{11+1}{1} = \frac{22222-2}{2+2} - \frac{22+2}{2} = \frac{33333-3}{3+3} - \frac{33+3}{3} \\
&:= \frac{44444-4}{4+4} - \frac{44+4}{4} = \frac{55555-5}{5+5} - \frac{55+5}{5} = \frac{66666-6}{6+6} - \frac{66+6}{6} \\
&:= \frac{77777-7}{7+7} - \frac{77+7}{7} = \frac{88888-8}{8+8} - \frac{88+8}{8} = \frac{99999-9}{9+9} - \frac{99+9}{9}
\end{aligned}$$

55543

$$\begin{aligned}
&:= \frac{111111-1}{1+1} - \frac{11+1}{1} = \frac{222222-2}{2+2} - \frac{22+2}{2} = \frac{333333-3}{3+3} - \frac{33+3}{3} \\
&:= \frac{444444-4}{4+4} - \frac{44+4}{4} = \frac{555555-5}{5+5} - \frac{55+5}{5} = \frac{666666-6}{6+6} - \frac{66+6}{6} \\
&:= \frac{777777-7}{7+7} - \frac{77+7}{7} = \frac{888888-8}{8+8} - \frac{88+8}{8} = \frac{999999-9}{9+9} - \frac{99+9}{9}
\end{aligned}$$

555543

$$\begin{aligned}
&:= \frac{1111111-1}{1+1} - \frac{11+1}{1} = \frac{2222222-2}{2+2} - \frac{22+2}{2} = \frac{3333333-3}{3+3} - \frac{33+3}{3} \\
&:= \frac{4444444-4}{4+4} - \frac{44+4}{4} = \frac{5555555-5}{5+5} - \frac{55+5}{5} = \frac{6666666-6}{6+6} - \frac{66+6}{6} \\
&:= \frac{7777777-7}{7+7} - \frac{77+7}{7} = \frac{8888888-8}{8+8} - \frac{88+8}{8} = \frac{9999999-9}{9+9} - \frac{99+9}{9}
\end{aligned}$$

► 544

$$\begin{aligned}
&:= \frac{1111-1}{1+1} - \frac{11}{1} = \frac{2222-2}{2+2} - \frac{22}{2} = \frac{3333-3}{3+3} - \frac{33}{3} \\
&:= \frac{4444-4}{4+4} - \frac{44}{4} = \frac{5555-5}{5+5} - \frac{55}{5} = \frac{6666-6}{6+6} - \frac{66}{6} \\
&:= \frac{7777-7}{7+7} - \frac{77}{7} = \frac{8888-8}{8+8} - \frac{88}{8} = \frac{9999-9}{9+9} - \frac{99}{9}
\end{aligned}$$

5544

$$\begin{aligned}
&:= \frac{11111-1}{1+1} - \frac{11}{1} = \frac{22222-2}{2+2} - \frac{22}{2} = \frac{33333-3}{3+3} - \frac{33}{3} \\
&:= \frac{44444-4}{4+4} - \frac{44}{4} = \frac{55555-5}{5+5} - \frac{55}{5} = \frac{66666-6}{6+6} - \frac{66}{6} \\
&:= \frac{77777-7}{7+7} - \frac{77}{7} = \frac{88888-8}{8+8} - \frac{88}{8} = \frac{99999-9}{9+9} - \frac{99}{9}
\end{aligned}$$

55544

$$\begin{aligned}
&:= \frac{111111-1}{1+1} - \frac{11}{1} = \frac{222222-2}{2+2} - \frac{22}{2} = \frac{333333-3}{3+3} - \frac{33}{3} \\
&:= \frac{444444-4}{4+4} - \frac{44}{4} = \frac{555555-5}{5+5} - \frac{55}{5} = \frac{666666-6}{6+6} - \frac{66}{6} \\
&:= \frac{777777-7}{7+7} - \frac{77}{7} = \frac{888888-8}{8+8} - \frac{88}{8} = \frac{999999-9}{9+9} - \frac{99}{9}
\end{aligned}$$

555544

$$\begin{aligned}
&:= \frac{1111111-1}{1+1} - \frac{11}{1} = \frac{2222222-2}{2+2} - \frac{22}{2} = \frac{3333333-3}{3+3} - \frac{33}{3} \\
&:= \frac{4444444-4}{4+4} - \frac{44}{4} = \frac{5555555-5}{5+5} - \frac{55}{5} = \frac{6666666-6}{6+6} - \frac{66}{6} \\
&:= \frac{7777777-7}{7+7} - \frac{77}{7} = \frac{8888888-8}{8+8} - \frac{88}{8} = \frac{9999999-9}{9+9} - \frac{99}{9}
\end{aligned}$$

►

545

$$:= \frac{1111+1}{1+1} - \frac{11}{1} = \frac{2222+2}{2+2} - \frac{22}{2} = \frac{3333+3}{3+3} - \frac{33}{3}$$

$$:= \frac{4444+4}{4+4} - \frac{44}{4} = \frac{5555+5}{5+5} - \frac{55}{5} = \frac{6666+6}{6+6} - \frac{66}{6}$$

$$:= \frac{7777+7}{7+7} - \frac{77}{7} = \frac{8888+8}{8+8} - \frac{88}{8} = \frac{9999+9}{9+9} - \frac{99}{9}$$

5545

$$:= \frac{11111+1}{1+1} - \frac{11}{1} = \frac{22222+2}{2+2} - \frac{22}{2} = \frac{33333+3}{3+3} - \frac{33}{3}$$

$$:= \frac{44444+4}{4+4} - \frac{44}{4} = \frac{55555+5}{5+5} - \frac{55}{5} = \frac{66666+6}{6+6} - \frac{66}{6}$$

$$:= \frac{77777+7}{7+7} - \frac{77}{7} = \frac{88888+8}{8+8} - \frac{88}{8} = \frac{99999+9}{9+9} - \frac{99}{9}$$

55545

$$:= \frac{111111+1}{1+1} - \frac{11}{1} = \frac{222222+2}{2+2} - \frac{22}{2} = \frac{333333+3}{3+3} - \frac{33}{3}$$

$$:= \frac{444444+4}{4+4} - \frac{44}{4} = \frac{555555+5}{5+5} - \frac{55}{5} = \frac{666666+6}{6+6} - \frac{66}{6}$$

$$:= \frac{777777+7}{7+7} - \frac{77}{7} = \frac{888888+8}{8+8} - \frac{88}{8} = \frac{999999+9}{9+9} - \frac{99}{9}$$

555545

$$:= \frac{1111111+1}{1+1} - \frac{11}{1} = \frac{2222222+2}{2+2} - \frac{22}{2} = \frac{3333333+3}{3+3} - \frac{33}{3}$$

$$:= \frac{4444444+4}{4+4} - \frac{44}{4} = \frac{5555555+5}{5+5} - \frac{55}{5} = \frac{6666666+6}{6+6} - \frac{66}{6}$$

$$:= \frac{7777777+7}{7+7} - \frac{77}{7} = \frac{8888888+8}{8+8} - \frac{88}{8} = \frac{9999999+9}{9+9} - \frac{99}{9}$$

►

546

$$:= \frac{1111-11-11+1+1+1}{1+1} = \frac{2222-22-22+2+2+2}{2+2} = \frac{3333-33-33+3+3+3}{3+3}$$

$$:= \frac{4444-44-44+4+4+4}{4+4} = \frac{5555-55-55+5+5+5}{5+5} = \frac{6666-66-66+6+6+6}{6+6}$$

$$:= \frac{7777-77-77+7+7+7}{7+7} = \frac{8888-88-88+8+8+8}{8+8} = \frac{9999-99-99+9+9+9}{9+9}$$

5546

$$:= \frac{11111-11-11+1+1+1}{1+1} = \frac{22222-22-22+2+2+2}{2+2} = \frac{33333-33-33+3+3+3}{3+3}$$

$$:= \frac{44444-44-44+4+4+4}{4+4} = \frac{55555-55-55+5+5+5}{5+5} = \frac{66666-66-66+6+6+6}{6+6}$$

$$:= \frac{77777-77-77+7+7+7}{7+7} = \frac{88888-88-88+8+8+8}{8+8} = \frac{99999-99-99+9+9+9}{9+9}$$

55546

$$:= \frac{111111-11-11+1+1+1}{1+1} = \frac{222222-22-22+2+2+2}{2+2} = \frac{333333-33-33+3+3+3}{3+3}$$

$$:= \frac{444444-44-44+4+4+4}{4+4} = \frac{555555-55-55+5+5+5}{5+5} = \frac{666666-66-66+6+6+6}{6+6}$$

315

$$:= \frac{777777-77-77+7+7+7}{7+7} = \frac{888888-88-88+8+8+8}{8+8} = \frac{999999-99-99+9+9+9}{9+9}$$

$$\begin{aligned} \textcolor{red}{555546} &:= \frac{1111111-11-11+1+1+1}{1+1} = \frac{2222222-22-22+2+2+2}{2+2} = \frac{3333333-33-33+3+3+3}{3+3} \\ &:= \frac{4444444-44-44+4+4+4}{4+4} = \frac{5555555-55-55+5+5+5}{5+5} = \frac{6666666-66-66+6+6+6}{6+6} \\ &:= \frac{7777777-77-77+7+7+7}{7+7} = \frac{8888888-88-88+8+8+8}{8+8} = \frac{9999999-99-99+9+9+9}{9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{547} &:= \frac{1111-11-1-1-1-1-1-1}{1+1} = \frac{2222-22-2-2-2-2-2-2}{2+2} = \frac{3333-33-3-3-3-3-3-3}{3+3} \\ &:= \frac{4444-44-4-4-4-4-4-4}{4+4} = \frac{5555-55-5-5-5-5-5-5}{5+5} = \frac{6666-66-6-6-6-6-6-6}{6+6} \\ &:= \frac{7777-77-7-7-7-7-7-7}{7+7} = \frac{8888-88-8-8-8-8-8-8}{8+8} = \frac{9999-99-9-9-9-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5547} &:= \frac{11111-11-1-1-1-1-1-1}{1+1} = \frac{22222-22-2-2-2-2-2-2}{2+2} = \frac{33333-33-3-3-3-3-3-3}{3+3} \\ &:= \frac{44444-44-4-4-4-4-4-4}{4+4} = \frac{55555-55-5-5-5-5-5-5}{5+5} = \frac{66666-66-6-6-6-6-6-6}{6+6} \\ &:= \frac{77777-77-7-7-7-7-7-7}{7+7} = \frac{88888-88-8-8-8-8-8-8}{8+8} = \frac{99999-99-9-9-9-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55547} &:= \frac{111111-11-1-1-1-1-1-1}{1+1} = \frac{222222-22-2-2-2-2-2-2}{2+2} = \frac{333333-33-3-3-3-3-3-3}{3+3} \\ &:= \frac{444444-44-4-4-4-4-4-4}{4+4} = \frac{555555-55-5-5-5-5-5-5}{5+5} = \frac{666666-66-6-6-6-6-6-6}{6+6} \\ &:= \frac{777777-77-7-7-7-7-7-7}{7+7} = \frac{888888-88-8-8-8-8-8-8}{8+8} = \frac{999999-99-9-9-9-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555547} &:= \frac{1111111-11-1-1-1-1-1-1}{1+1} = \frac{2222222-22-2-2-2-2-2-2}{2+2} = \frac{3333333-33-3-3-3-3-3-3}{3+3} \\ &:= \frac{4444444-44-4-4-4-4-4-4}{4+4} = \frac{5555555-55-5-5-5-5-5-5}{5+5} = \frac{6666666-66-6-6-6-6-6-6}{6+6} \\ &:= \frac{7777777-77-7-7-7-7-7-7}{7+7} = \frac{8888888-88-8-8-8-8-8-8}{8+8} = \frac{9999999-99-9-9-9-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{548} &:= \frac{1111-11-1-1-1-1}{1+1} = \frac{2222-22-2-2-2-2}{2+2} = \frac{3333-33-3-3-3-3}{3+3} \\ &:= \frac{4444-44-4-4-4-4}{4+4} = \frac{5555-55-5-5-5-5}{5+5} = \frac{6666-66-6-6-6-6}{6+6} \\ &:= \frac{7777-77-7-7-7-7}{7+7} = \frac{8888-88-8-8-8-8}{8+8} = \frac{9999-99-9-9-9-9}{9+9} \end{aligned}$$

$$\textcolor{red}{5548}:= \frac{1111-11-1-1-1-1}{1+1} = \frac{2222-22-2-2-2-2}{2+2} = \frac{3333-33-3-3-3-3}{3+3}$$

$$\begin{aligned} &:= \frac{44444-44-4-4-4-4}{4+4} = \frac{55555-55-5-5-5-5}{5+5} = \frac{66666-66-6-6-6-6}{6+6} \\ &:= \frac{77777-77-7-7-7-7}{7+7} = \frac{88888-88-8-8-8-8}{8+8} = \frac{99999-99-9-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55548} &:= \frac{111111-11-1-1-1-1}{1+1} = \frac{222222-22-2-2-2-2}{2+2} = \frac{333333-33-3-3-3-3}{3+3} \\ &:= \frac{444444-44-4-4-4-4}{4+4} = \frac{555555-55-5-5-5-5}{5+5} = \frac{666666-66-6-6-6-6}{6+6} \\ &:= \frac{777777-77-7-7-7-7}{7+7} = \frac{888888-88-8-8-8-8}{8+8} = \frac{999999-99-9-9-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555548} &:= \frac{1111111-11-1-1-1-1}{1+1} = \frac{2222222-22-2-2-2-2}{2+2} = \frac{3333333-33-3-3-3-3}{3+3} \\ &:= \frac{4444444-44-4-4-4-4}{4+4} = \frac{5555555-55-5-5-5-5}{5+5} = \frac{6666666-66-6-6-6-6}{6+6} \\ &:= \frac{7777777-77-7-7-7-7}{7+7} = \frac{8888888-88-8-8-8-8}{8+8} = \frac{9999999-99-9-9-9-9}{9+9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{549} &:= \frac{1111-11-1-1}{1+1} = \frac{2222-22-2-2}{2+2} = \frac{3333-33-3-3}{3+3} \\ &:= \frac{4444-44-4-4}{4+4} = \frac{5555-55-5-5}{5+5} = \frac{6666-66-6-6}{6+6} \\ &:= \frac{7777-77-7-7}{7+7} = \frac{8888-88-8-8}{8+8} = \frac{9999-99-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5549} &:= \frac{11111-11-1-1}{1+1} = \frac{22222-22-2-2}{2+2} = \frac{33333-33-3-3}{3+3} \\ &:= \frac{44444-44-4-4}{4+4} = \frac{55555-55-5-5}{5+5} = \frac{66666-66-6-6}{6+6} \\ &:= \frac{77777-77-7-7}{7+7} = \frac{88888-88-8-8}{8+8} = \frac{99999-99-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55549} &:= \frac{111111-11-1-1}{1+1} = \frac{222222-22-2-2}{2+2} = \frac{333333-33-3-3}{3+3} \\ &:= \frac{444444-44-4-4}{4+4} = \frac{555555-55-5-5}{5+5} = \frac{666666-66-6-6}{6+6} \\ &:= \frac{777777-77-7-7}{7+7} = \frac{888888-88-8-8}{8+8} = \frac{999999-99-9-9}{9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555549} &:= \frac{1111111-11-1-1}{1+1} = \frac{2222222-22-2-2}{2+2} = \frac{3333333-33-3-3}{3+3} \\ &:= \frac{4444444-44-4-4}{4+4} = \frac{5555555-55-5-5}{5+5} = \frac{6666666-66-6-6}{6+6} \\ &:= \frac{7777777-77-7-7}{7+7} = \frac{8888888-88-8-8}{8+8} = \frac{9999999-99-9-9}{9+9} \end{aligned}$$

►

550

$$:= \frac{1111-11}{1+1} = \frac{2222-22}{2+2} = \frac{3333-33}{3+3} = \frac{4444-44}{4+4} = \frac{5555-55}{5+5} = \frac{6666-66}{6+6} = \frac{7777-77}{7+7} = \frac{8888-88}{8+8} = \frac{9999-99}{9+9}$$

5550

$$:= \frac{11111-11}{1+1} = \frac{22222-22}{2+2} = \frac{33333-33}{3+3} = \frac{44444-44}{4+4} = \frac{55555-55}{5+5} = \frac{66666-66}{6+6} = \frac{77777-77}{7+7} = \frac{88888-88}{8+8} = \frac{99999-99}{9+9}$$

55550

$$:= \frac{111111-11}{1+1} = \frac{222222-22}{2+2} = \frac{333333-33}{3+3} = \frac{444444-44}{4+4} = \frac{555555-55}{5+5} = \frac{666666-66}{6+6} = \frac{777777-77}{7+7} = \frac{888888-88}{8+8} = \frac{999999-99}{9+9}$$

555550

$$:= \frac{1111111-11}{1+1} = \frac{2222222-22}{2+2} = \frac{3333333-33}{3+3} = \frac{4444444-44}{4+4} = \frac{5555555-55}{5+5} = \frac{6666666-66}{6+6} = \frac{7777777-77}{7+7} = \frac{8888888-88}{8+8} = \frac{9999999-99}{9+9}$$

►

551

$$\begin{aligned} &:= \frac{1111-11+1+1}{1+1} = \frac{2222-22+2+2}{2+2} = \frac{3333-33+3+3}{3+3} \\ &:= \frac{4444-44+4+4}{4+4} = \frac{5555-55+5+5}{5+5} = \frac{6666-66+6+6}{6+6} \\ &:= \frac{7777-77+7+7}{7+7} = \frac{8888-88+8+8}{8+8} = \frac{9999-99+9+9}{9+9} \end{aligned}$$

5551

$$\begin{aligned} &:= \frac{11111-11+1+1}{1+1} = \frac{22222-22+2+2}{2+2} = \frac{33333-33+3+3}{3+3} \\ &:= \frac{44444-44+4+4}{4+4} = \frac{55555-55+5+5}{5+5} = \frac{66666-66+6+6}{6+6} \\ &:= \frac{77777-77+7+7}{7+7} = \frac{88888-88+8+8}{8+8} = \frac{99999-99+9+9}{9+9} \end{aligned}$$

55551

$$\begin{aligned} &:= \frac{111111-11+1+1}{1+1} = \frac{222222-22+2+2}{2+2} = \frac{333333-33+3+3}{3+3} \\ &:= \frac{444444-44+4+4}{4+4} = \frac{555555-55+5+5}{5+5} = \frac{666666-66+6+6}{6+6} \\ &:= \frac{777777-77+7+7}{7+7} = \frac{888888-88+8+8}{8+8} = \frac{999999-99+9+9}{9+9} \end{aligned}$$

555551

$$\begin{aligned} &:= \frac{1111111-11+1+1}{1+1} = \frac{2222222-22+2+2}{2+2} = \frac{3333333-33+3+3}{3+3} \\ &:= \frac{4444444-44+4+4}{4+4} = \frac{5555555-55+5+5}{5+5} = \frac{6666666-66+6+6}{6+6} \\ &:= \frac{7777777-77+7+7}{7+7} = \frac{8888888-88+8+8}{8+8} = \frac{9999999-99+9+9}{9+9} \end{aligned}$$

►

552

$$\begin{aligned} &:= \frac{1111-11+1+1+1+1}{1+1} = \frac{2222-22+2+2+2+2}{2+2} = \frac{3333-33+3+3+3+3}{3+3} \\ &:= \frac{4444-44+4+4+4+4}{4+4} = \frac{5555-55+5+5+5+5}{5+5} = \frac{6666-66+6+6+6+6}{6+6} \\ &:= \frac{7777-77+7+7+7+7}{7+7} = \frac{8888-88+8+8+8+8}{8+8} = \frac{9999-99+9+9+9+9}{9+9} \end{aligned}$$

318

5552

$$:= \frac{11111-11+1+1+1+1}{1+1} = \frac{22222-22+2+2+2+2}{2+2} = \frac{33333-33+3+3+3+3}{3+3}$$

$$:= \frac{44444-44+4+4+4+4}{4+4} = \frac{55555-55+5+5+5+5}{5+5} = \frac{66666-66+6+6+6+6}{6+6}$$

$$:= \frac{77777-77+7+7+7+7}{7+7} = \frac{88888-88+8+8+8+8}{8+8} = \frac{99999-99+9+9+9+9}{9+9}$$

55552

$$:= \frac{111111-11+1+1+1+1}{1+1} = \frac{222222-22+2+2+2+2}{2+2} = \frac{333333-33+3+3+3+3}{3+3}$$

$$:= \frac{444444-44+4+4+4+4}{4+4} = \frac{555555-55+5+5+5+5}{5+5} = \frac{666666-66+6+6+6+6}{6+6}$$

$$:= \frac{777777-77+7+7+7+7}{7+7} = \frac{888888-88+8+8+8+8}{8+8} = \frac{999999-99+9+9+9+9}{9+9}$$

555552

$$:= \frac{1111111-11+1+1+1+1}{1+1} = \frac{2222222-22+2+2+2+2}{2+2} = \frac{3333333-33+3+3+3+3}{3+3}$$

$$:= \frac{4444444-44+4+4+4+4}{4+4} = \frac{5555555-55+5+5+5+5}{5+5} = \frac{6666666-66+6+6+6+6}{6+6}$$

$$:= \frac{7777777-77+7+7+7+7}{7+7} = \frac{8888888-88+8+8+8+8}{8+8} = \frac{9999999-99+9+9+9+9}{9+9}$$

►

553

$$:= \frac{1111-1}{1+1} - \frac{1+1}{1} = \frac{2222-2}{2+2} - \frac{2+2}{2} = \frac{3333-3}{3+3} - \frac{3+3}{3}$$

$$:= \frac{4444-4}{4+4} - \frac{4}{4} = \frac{5555-5}{5+5} - \frac{5}{5} = \frac{6666-6}{6+6} - \frac{6}{6}$$

$$:= \frac{7777-7}{7+7} - \frac{7}{7} = \frac{8888-8}{8+8} - \frac{8}{8} = \frac{9999-9}{9+9} - \frac{9}{9}$$

5553

$$:= \frac{11111-1}{1+1} - \frac{1+1}{1} = \frac{22222-2}{2+2} - \frac{2+2}{2} = \frac{33333-3}{3+3} - \frac{3+3}{3}$$

$$:= \frac{44444-4}{4+4} - \frac{4}{4} = \frac{55555-5}{5+5} - \frac{5}{5} = \frac{66666-6}{6+6} - \frac{6}{6}$$

$$:= \frac{77777-7}{7+7} - \frac{7}{7} = \frac{88888-8}{8+8} - \frac{8}{8} = \frac{99999-9}{9+9} - \frac{9}{9}$$

55553

$$:= \frac{111111-1}{1+1} - \frac{1+1}{1} = \frac{222222-2}{2+2} - \frac{2+2}{2} = \frac{333333-3}{3+3} - \frac{3+3}{3}$$

$$:= \frac{444444-4}{4+4} - \frac{4}{4} = \frac{555555-5}{5+5} - \frac{5}{5} = \frac{666666-6}{6+6} - \frac{6}{6}$$

$$:= \frac{777777-7}{7+7} - \frac{7}{7} = \frac{888888-8}{8+8} - \frac{8}{8} = \frac{999999-9}{9+9} - \frac{9}{9}$$

555553

$$:= \frac{1111111-1}{1+1} - \frac{1+1}{1} = \frac{2222222-2}{2+2} - \frac{2+2}{2} = \frac{3333333-3}{3+3} - \frac{3+3}{3}$$

$$:= \frac{4444444-4}{4+4} - \frac{4}{4} = \frac{5555555-5}{5+5} - \frac{5}{5} = \frac{6666666-6}{6+6} - \frac{6}{6}$$

319

$$:= \frac{7777777-7}{7+7} - \frac{7+7}{7} = \frac{8888888-8}{8+8} - \frac{8+8}{8} = \frac{9999999-9}{9+9} - \frac{9+9}{9}$$

► **554** := $\frac{1 \times (1111-1-1-1)}{(1+1) \times 1} = \frac{2 \times (2222-2-2-2)}{(2+2) \times 2} = \frac{3 \times (3333-3-3-3)}{(3+3) \times 3}$
:= $\frac{4 \times (4444-4-4-4)}{(4+4) \times 4} = \frac{5 \times (5555-5-5-5)}{(5+5) \times 5} = \frac{6 \times (6666-6-6-6)}{(6+6) \times 6}$
:= $\frac{7 \times (7777-7-7-7)}{(7+7) \times 7} = \frac{8 \times (8888-8-8-8)}{(8+8) \times 8} = \frac{9 \times (9999-9-9-9)}{(9+9) \times 9}$

5554 := $\frac{1 \times (11111-1-1-1)}{(1+1) \times 1} = \frac{2 \times (22222-2-2-2)}{(2+2) \times 2} = \frac{3 \times (33333-3-3-3)}{(3+3) \times 3}$
:= $\frac{4 \times (44444-4-4-4)}{(4+4) \times 4} = \frac{5 \times (55555-5-5-5)}{(5+5) \times 5} = \frac{6 \times (66666-6-6-6)}{(6+6) \times 6}$
:= $\frac{7 \times (77777-7-7-7)}{(7+7) \times 7} = \frac{8 \times (88888-8-8-8)}{(8+8) \times 8} = \frac{9 \times (99999-9-9-9)}{(9+9) \times 9}$

55554 := $\frac{1 \times (111111-1-1-1)}{(1+1) \times 1} = \frac{2 \times (222222-2-2-2)}{(2+2) \times 2} = \frac{3 \times (333333-3-3-3)}{(3+3) \times 3}$
:= $\frac{4 \times (444444-4-4-4)}{(4+4) \times 4} = \frac{5 \times (555555-5-5-5)}{(5+5) \times 5} = \frac{6 \times (666666-6-6-6)}{(6+6) \times 6}$
:= $\frac{7 \times (777777-7-7-7)}{(7+7) \times 7} = \frac{8 \times (888888-8-8-8)}{(8+8) \times 8} = \frac{9 \times (999999-9-9-9)}{(9+9) \times 9}$

555554 := $\frac{1 \times (1111111-1-1-1)}{(1+1) \times 1} = \frac{2 \times (2222222-2-2-2)}{(2+2) \times 2} = \frac{3 \times (3333333-3-3-3)}{(3+3) \times 3}$
:= $\frac{4 \times (4444444-4-4-4)}{(4+4) \times 4} = \frac{5 \times (5555555-5-5-5)}{(5+5) \times 5} = \frac{6 \times (6666666-6-6-6)}{(6+6) \times 6}$
:= $\frac{7 \times (7777777-7-7-7)}{(7+7) \times 7} = \frac{8 \times (8888888-8-8-8)}{(8+8) \times 8} = \frac{9 \times (9999999-9-9-9)}{(9+9) \times 9}$

► **555** := $\frac{1111-1}{1+1} = \frac{2222-2}{2+2} = \frac{3333-3}{3+3} = \frac{4444-4}{4+4} = \frac{5555-5}{5+5} = \frac{6666-6}{6+6} = \frac{7777-7}{7+7} = \frac{8888-8}{8+8} = \frac{9999-9}{9+9}$

5555 := $\frac{11111-1}{1+1} = \frac{22222-2}{2+2} = \frac{33333-3}{3+3} = \frac{44444-4}{4+4} = \frac{55555-5}{5+5} = \frac{66666-6}{6+6} = \frac{77777-7}{7+7} = \frac{88888-8}{8+8} = \frac{99999-9}{9+9}$

55555 := $\frac{111111-1}{1+1} = \frac{222222-2}{2+2} = \frac{333333-3}{3+3} = \frac{444444-4}{4+4} = \frac{555555-5}{5+5} = \frac{666666-6}{6+6} = \frac{777777-7}{7+7} = \frac{888888-8}{8+8} = \frac{999999-9}{9+9}$

555555 := $\frac{1111111-1}{1+1} = \frac{2222222-2}{2+2} = \frac{3333333-3}{3+3} = \frac{4444444-4}{4+4} = \frac{5555555-5}{5+5} = \frac{6666666-6}{6+6} = \frac{7777777-7}{7+7} = \frac{8888888-8}{8+8} = \frac{9999999-9}{9+9}$

►

556

$$:= \frac{1111+1}{1+1} = \frac{2222+2}{2+2} = \frac{3333+3}{3+3} = \frac{4444+4}{4+4} = \frac{5555+5}{5+5} = \frac{6666+6}{6+6} = \frac{7777+7}{7+7} = \frac{8888+8}{8+8} = \frac{9999+9}{9+9}$$

5556

$$:= \frac{11111+1}{1+1} = \frac{22222+2}{2+2} = \frac{33333+3}{3+3} = \frac{44444+4}{4+4} = \frac{55555+5}{5+5} = \frac{66666+6}{6+6} = \frac{77777+7}{7+7} = \frac{88888+8}{8+8} = \frac{99999+9}{9+9}$$

55556

$$:= \frac{111111+1}{1+1} = \frac{222222+2}{2+2} = \frac{333333+3}{3+3} = \frac{444444+4}{4+4} = \frac{555555+5}{5+5} = \frac{666666+6}{6+6} = \frac{777777+7}{7+7} = \frac{888888+8}{8+8} = \frac{999999+9}{9+9}$$

555556

$$:= \frac{1111111+1}{1+1} = \frac{2222222+2}{2+2} = \frac{3333333+3}{3+3} = \frac{4444444+4}{4+4} = \frac{5555555+5}{5+5} = \frac{6666666+6}{6+6} = \frac{7777777+7}{7+7} = \frac{8888888+8}{8+8} = \frac{9999999+9}{9+9}$$

►

557

$$:= \frac{1111+1+1+1}{1+1} = \frac{2222+2+2+2}{2+2} = \frac{3333+3+3+3}{3+3}$$

$$:= \frac{4444+4+4+4}{4+4} = \frac{5555+5+5+5}{5+5} = \frac{6666+6+6+6}{6+6}$$

$$:= \frac{7777+7+7+7}{7+7} = \frac{8888+8+8+8}{8+8} = \frac{9999+9+9+9}{9+9}$$

5557

$$:= \frac{11111+1+1+1}{1+1} = \frac{22222+2+2+2}{2+2} = \frac{33333+3+3+3}{3+3}$$

$$:= \frac{44444+4+4+4}{4+4} = \frac{55555+5+5+5}{5+5} = \frac{66666+6+6+6}{6+6}$$

$$:= \frac{77777+7+7+7}{7+7} = \frac{88888+8+8+8}{8+8} = \frac{99999+9+9+9}{9+9}$$

55557

$$:= \frac{111111+1+1+1}{1+1} = \frac{222222+2+2+2}{2+2} = \frac{333333+3+3+3}{3+3}$$

$$:= \frac{444444+4+4+4}{4+4} = \frac{555555+5+5+5}{5+5} = \frac{666666+6+6+6}{6+6}$$

$$:= \frac{777777+7+7+7}{7+7} = \frac{888888+8+8+8}{8+8} = \frac{999999+9+9+9}{9+9}$$

555557

$$:= \frac{1111111+1+1+1}{1+1} = \frac{2222222+2+2+2}{2+2} = \frac{3333333+3+3+3}{3+3}$$

$$:= \frac{4444444+4+4+4}{4+4} = \frac{5555555+5+5+5}{5+5} = \frac{6666666+6+6+6}{6+6}$$

$$:= \frac{7777777+7+7+7}{7+7} = \frac{8888888+8+8+8}{8+8} = \frac{9999999+9+9+9}{9+9}$$

►

558

$$:= \frac{1111+1}{1+1} + \frac{1+1}{1} = \frac{2222+2}{2+2} + \frac{2+2}{2} = \frac{3333+3}{3+3} + \frac{3+3}{3}$$

$$:= \frac{4444+4}{4+4} + \frac{4+4}{4} = \frac{5555+5}{5+5} + \frac{5+5}{5} = \frac{6666+6}{6+6} + \frac{6+6}{6}$$

$$:= \frac{7777+7}{7+7} + \frac{7+7}{7} = \frac{8888+8}{8+8} + \frac{8+8}{8} = \frac{9999+9}{9+9} + \frac{9+9}{9}$$

5558

$$\begin{aligned} &:= \frac{11111+1}{1+1} + \frac{1+1}{1} = \frac{22222+2}{2+2} + \frac{2+2}{2} = \frac{33333+3}{3+3} + \frac{3+3}{3} \\ &:= \frac{44444+4}{4+4} + \frac{4+4}{4} = \frac{55555+5}{5+5} + \frac{5+5}{5} = \frac{66666+6}{6+6} + \frac{6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{7+7}{7} = \frac{88888+8}{8+8} + \frac{8+8}{8} = \frac{99999+9}{9+9} + \frac{9+9}{9} \end{aligned}$$

55558

$$\begin{aligned} &:= \frac{111111+1}{1+1} + \frac{1+1}{1} = \frac{222222+2}{2+2} + \frac{2+2}{2} = \frac{333333+3}{3+3} + \frac{3+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{4+4}{4} = \frac{555555+5}{5+5} + \frac{5+5}{5} = \frac{666666+6}{6+6} + \frac{6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{7+7}{7} = \frac{888888+8}{8+8} + \frac{8+8}{8} = \frac{999999+9}{9+9} + \frac{9+9}{9} \end{aligned}$$

555558

$$\begin{aligned} &:= \frac{1111111+1}{1+1} + \frac{1+1}{1} = \frac{2222222+2}{2+2} + \frac{2+2}{2} = \frac{3333333+3}{3+3} + \frac{3+3}{3} \\ &:= \frac{4444444+4}{4+4} + \frac{4+4}{4} = \frac{5555555+5}{5+5} + \frac{5+5}{5} = \frac{6666666+6}{6+6} + \frac{6+6}{6} \\ &:= \frac{7777777+7}{7+7} + \frac{7+7}{7} = \frac{8888888+8}{8+8} + \frac{8+8}{8} = \frac{9999999+9}{9+9} + \frac{9+9}{9} \end{aligned}$$

► 559

$$\begin{aligned} &:= \frac{1111+11-1-1-1-1}{1+1} = \frac{2222+22-2-2-2-2}{2+2} = \frac{3333+33-3-3-3-3}{3+3} \\ &:= \frac{4444+44-4-4-4-4}{4+4} = \frac{5555+55-5-5-5-5}{5+5} = \frac{6666+66-6-6-6-6}{6+6} \\ &:= \frac{7777+77-7-7-7-7}{7+7} = \frac{8888+88-8-8-8-8}{8+8} = \frac{9999+99-9-9-9-9}{9+9} \end{aligned}$$

5559

$$\begin{aligned} &:= \frac{11111+11-1-1-1-1}{1+1} = \frac{22222+22-2-2-2-2}{2+2} = \frac{33333+33-3-3-3-3}{3+3} \\ &:= \frac{44444+44-4-4-4-4}{4+4} = \frac{55555+55-5-5-5-5}{5+5} = \frac{66666+66-6-6-6-6}{6+6} \\ &:= \frac{77777+77-7-7-7-7}{7+7} = \frac{88888+88-8-8-8-8}{8+8} = \frac{99999+99-9-9-9-9}{9+9} \end{aligned}$$

55559

$$\begin{aligned} &:= \frac{111111+11-1-1-1-1}{1+1} = \frac{222222+22-2-2-2-2}{2+2} = \frac{333333+33-3-3-3-3}{3+3} \\ &:= \frac{444444+44-4-4-4-4}{4+4} = \frac{555555+55-5-5-5-5}{5+5} = \frac{666666+66-6-6-6-6}{6+6} \\ &:= \frac{777777+77-7-7-7-7}{7+7} = \frac{888888+88-8-8-8-8}{8+8} = \frac{999999+99-9-9-9-9}{9+9} \end{aligned}$$

555559

$$\begin{aligned} &:= \frac{1111111+11-1-1-1-1}{1+1} = \frac{2222222+22-2-2-2-2}{2+2} = \frac{3333333+33-3-3-3-3}{3+3} \\ &:= \frac{4444444+44-4-4-4-4}{4+4} = \frac{5555555+55-5-5-5-5}{5+5} = \frac{6666666+66-6-6-6-6}{6+6} \end{aligned}$$

$$:= \frac{7777777 + 77 - 7 - 7 - 7 - 7}{7 + 7} = \frac{8888888 + 88 - 8 - 8 - 8 - 8}{8 + 8} = \frac{9999999 + 99 - 9 - 9 - 9 - 9}{9 + 9}$$

►

560

$$:= \frac{1111 + 11 - 1 - 1}{1 + 1} = \frac{2222 + 22 - 2 - 2}{2 + 2} = \frac{3333 + 33 - 3 - 3}{3 + 3}$$

$$:= \frac{4444 + 44 - 4 - 4}{4 + 4} = \frac{5555 + 55 - 5 - 5}{5 + 5} = \frac{6666 + 66 - 6 - 6}{6 + 6}$$

$$:= \frac{7777 + 77 - 7 - 7}{7 + 7} = \frac{8888 + 88 - 8 - 8}{8 + 8} = \frac{9999 + 99 - 9 - 9}{9 + 9}$$

5560

$$:= \frac{11111 + 11 - 1 - 1}{1 + 1} = \frac{22222 + 22 - 2 - 2}{2 + 2} = \frac{33333 + 33 - 3 - 3}{3 + 3}$$

$$:= \frac{44444 + 44 - 4 - 4}{4 + 4} = \frac{55555 + 55 - 5 - 5}{5 + 5} = \frac{66666 + 66 - 6 - 6}{6 + 6}$$

$$:= \frac{77777 + 77 - 7 - 7}{7 + 7} = \frac{88888 + 88 - 8 - 8}{8 + 8} = \frac{99999 + 99 - 9 - 9}{9 + 9}$$

55560

$$:= \frac{111111 + 11 - 1 - 1}{1 + 1} = \frac{222222 + 22 - 2 - 2}{2 + 2} = \frac{333333 + 33 - 3 - 3}{3 + 3}$$

$$:= \frac{444444 + 44 - 4 - 4}{4 + 4} = \frac{555555 + 55 - 5 - 5}{5 + 5} = \frac{666666 + 66 - 6 - 6}{6 + 6}$$

$$:= \frac{777777 + 77 - 7 - 7}{7 + 7} = \frac{888888 + 88 - 8 - 8}{8 + 8} = \frac{999999 + 99 - 9 - 9}{9 + 9}$$

555560

$$:= \frac{1111111 + 11 - 1 - 1}{1 + 1} = \frac{2222222 + 22 - 2 - 2}{2 + 2} = \frac{3333333 + 33 - 3 - 3}{3 + 3}$$

$$:= \frac{4444444 + 44 - 4 - 4}{4 + 4} = \frac{5555555 + 55 - 5 - 5}{5 + 5} = \frac{6666666 + 66 - 6 - 6}{6 + 6}$$

$$:= \frac{7777777 + 77 - 7 - 7}{7 + 7} = \frac{8888888 + 88 - 8 - 8}{8 + 8} = \frac{9999999 + 99 - 9 - 9}{9 + 9}$$

►

561

$$:= \frac{1111 + 11}{1 + 1} = \frac{2222 + 22}{2 + 2} = \frac{3333 + 33}{3 + 3} = \frac{4444 + 44}{4 + 4} = \frac{5555 + 55}{5 + 5} = \frac{6666 + 66}{6 + 6} = \frac{7777 + 77}{7 + 7} = \frac{8888 + 88}{8 + 8} = \frac{9999 + 99}{9 + 9}$$

5561

$$:= \frac{11111 + 11}{1 + 1} = \frac{22222 + 22}{2 + 2} = \frac{33333 + 33}{3 + 3} = \frac{44444 + 44}{4 + 4} = \frac{55555 + 55}{5 + 5} = \frac{66666 + 66}{6 + 6} = \frac{77777 + 77}{7 + 7} = \frac{88888 + 88}{8 + 8} = \frac{99999 + 99}{9 + 9}$$

55561

$$:= \frac{111111 + 11}{1 + 1} = \frac{222222 + 22}{2 + 2} = \frac{333333 + 33}{3 + 3} = \frac{444444 + 44}{4 + 4} = \frac{555555 + 55}{5 + 5} = \frac{666666 + 66}{6 + 6} = \frac{777777 + 77}{7 + 7} = \frac{888888 + 88}{8 + 8} = \frac{999999 + 99}{9 + 9}$$

555561

$$:= \frac{1111111 + 11}{1 + 1} = \frac{2222222 + 22}{2 + 2} = \frac{3333333 + 33}{3 + 3} = \frac{4444444 + 44}{4 + 4} = \frac{5555555 + 55}{5 + 5} = \frac{6666666 + 66}{6 + 6} = \frac{7777777 + 77}{7 + 7} = \frac{8888888 + 88}{8 + 8} = \frac{9999999 + 99}{9 + 9}$$

►

562

$$:= \frac{1111 + 11 + 1 + 1}{1 + 1} = \frac{2222 + 22 + 2 + 2}{2 + 2} = \frac{3333 + 33 + 3 + 3}{3 + 3}$$

$$\begin{aligned} &:= \frac{4444 + 44 + 4 + 4}{4 + 4} = \frac{5555 + 55 + 5 + 5}{5 + 5} = \frac{6666 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{7777 + 77 + 7 + 7}{7 + 7} = \frac{8888 + 88 + 8 + 8}{8 + 8} = \frac{9999 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

5562 := $\frac{11111 + 11 + 1 + 1}{1 + 1} = \frac{22222 + 22 + 2 + 2}{2 + 2} = \frac{33333 + 33 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{44444 + 44 + 4 + 4}{4 + 4} = \frac{55555 + 55 + 5 + 5}{5 + 5} = \frac{66666 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{77777 + 77 + 7 + 7}{7 + 7} = \frac{88888 + 88 + 8 + 8}{8 + 8} = \frac{99999 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

55562 := $\frac{111111 + 11 + 1 + 1}{1 + 1} = \frac{222222 + 22 + 2 + 2}{2 + 2} = \frac{333333 + 33 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{444444 + 44 + 4 + 4}{4 + 4} = \frac{555555 + 55 + 5 + 5}{5 + 5} = \frac{666666 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{777777 + 77 + 7 + 7}{7 + 7} = \frac{888888 + 88 + 8 + 8}{8 + 8} = \frac{999999 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

555562 := $\frac{1111111 + 11 + 1 + 1}{1 + 1} = \frac{2222222 + 22 + 2 + 2}{2 + 2} = \frac{3333333 + 33 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{4444444 + 44 + 4 + 4}{4 + 4} = \frac{5555555 + 55 + 5 + 5}{5 + 5} = \frac{6666666 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 + 77 + 7 + 7}{7 + 7} = \frac{8888888 + 88 + 8 + 8}{8 + 8} = \frac{9999999 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

► **563** := $\frac{1111 + 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222 + 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333 + 33 + 3 + 3 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{4444 + 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555 + 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666 + 66 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777 + 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888 + 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999 + 99 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

5563 := $\frac{11111 + 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{22222 + 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{33333 + 33 + 3 + 3 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{44444 + 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{55555 + 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{66666 + 66 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{77777 + 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{88888 + 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{99999 + 99 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

55563 := $\frac{111111 + 11 + 1 + 1 + 1 + 1}{1 + 1} = \frac{222222 + 22 + 2 + 2 + 2 + 2}{2 + 2} = \frac{333333 + 33 + 3 + 3 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{444444 + 44 + 4 + 4 + 4 + 4}{4 + 4} = \frac{555555 + 55 + 5 + 5 + 5 + 5}{5 + 5} = \frac{666666 + 66 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{777777 + 77 + 7 + 7 + 7 + 7}{7 + 7} = \frac{888888 + 88 + 8 + 8 + 8 + 8}{8 + 8} = \frac{999999 + 99 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

555563

$$\begin{aligned}
 &:= \frac{1111111+11+1+1+1+1}{1+1} = \frac{2222222+22+2+2+2+2}{2+2} = \frac{3333333+33+3+3+3+3}{3+3} \\
 &:= \frac{4444444+44+4+4+4+4}{4+4} = \frac{5555555+55+5+5+5+5}{5+5} = \frac{6666666+66+6+6+6+6}{6+6} \\
 &:= \frac{7777777+77+7+7+7+7}{7+7} = \frac{8888888+88+8+8+8+8}{8+8} = \frac{9999999+99+9+9+9+9}{9+9}
 \end{aligned}$$

► 564

$$\begin{aligned}
 &:= \frac{1111+11+1+1+1+1+1+1}{1+1} = \frac{2222+22+2+2+2+2+2+2}{2+2} = \frac{3333+33+3+3+3+3+3+3}{3+3} \\
 &:= \frac{4444+44+4+4+4+4+4+4}{4+4} = \frac{5555+55+5+5+5+5+5+5}{5+5} = \frac{6666+66+6+6+6+6+6+6}{6+6} \\
 &:= \frac{7777+77+7+7+7+7+7+7}{7+7} = \frac{8888+88+8+8+8+8+8+8}{8+8} = \frac{9999+99+9+9+9+9+9+9}{9+9}
 \end{aligned}$$

5564

$$\begin{aligned}
 &:= \frac{11111+11+1+1+1+1+1+1}{1+1} = \frac{22222+22+2+2+2+2+2+2}{2+2} = \frac{33333+33+3+3+3+3+3+3}{3+3} \\
 &:= \frac{44444+44+4+4+4+4+4+4}{4+4} = \frac{55555+55+5+5+5+5+5+5}{5+5} = \frac{66666+66+6+6+6+6+6+6}{6+6} \\
 &:= \frac{77777+77+7+7+7+7+7+7}{7+7} = \frac{88888+88+8+8+8+8+8+8}{8+8} = \frac{99999+99+9+9+9+9+9+9}{9+9}
 \end{aligned}$$

55564

$$\begin{aligned}
 &:= \frac{111111+11+1+1+1+1+1+1}{1+1} = \frac{222222+22+2+2+2+2+2+2}{2+2} = \frac{333333+33+3+3+3+3+3+3}{3+3} \\
 &:= \frac{444444+44+4+4+4+4+4+4}{4+4} = \frac{555555+55+5+5+5+5+5+5}{5+5} = \frac{666666+66+6+6+6+6+6+6}{6+6} \\
 &:= \frac{777777+77+7+7+7+7+7+7}{7+7} = \frac{888888+88+8+8+8+8+8+8}{8+8} = \frac{999999+99+9+9+9+9+9+9}{9+9}
 \end{aligned}$$

555564

$$\begin{aligned}
 &:= \frac{1111111+11+1+1+1+1+1+1}{1+1} = \frac{2222222+22+2+2+2+2+2+2}{2+2} = \frac{3333333+33+3+3+3+3+3+3}{3+3} \\
 &:= \frac{4444444+44+4+4+4+4+4+4}{4+4} = \frac{5555555+55+5+5+5+5+5+5}{5+5} = \frac{6666666+66+6+6+6+6+6+6}{6+6} \\
 &:= \frac{7777777+77+7+7+7+7+7+7}{7+7} = \frac{8888888+88+8+8+8+8+8+8}{8+8} = \frac{9999999+99+9+9+9+9+9+9}{9+9}
 \end{aligned}$$

► 565

$$\begin{aligned}
 &:= \frac{(111+1+1) \times (11-1)}{(1+1) \times 1} = \frac{(222+2+2) \times (22-2)}{(2+2) \times 2} = \frac{(333+3+3) \times (33-3)}{(3+3) \times 3} \\
 &:= \frac{(444+4+4) \times (44-4)}{(4+4) \times 4} = \frac{(555+5+5) \times (55-5)}{(5+5) \times 5} = \frac{(666+6+6) \times (66-6)}{(6+6) \times 6} \\
 &:= \frac{(777+7+7) \times (77-7)}{(7+7) \times 7} = \frac{(888+8+8) \times (88-8)}{(8+8) \times 8} = \frac{(999+9+9) \times (99-9)}{(9+9) \times 9}
 \end{aligned}$$

6565

$$\begin{aligned}
 &:= \frac{(1111+1+1) \times (11-1)}{(1+1) \times 1} = \frac{(2222+2+2) \times (22-2)}{(2+2) \times 2} = \frac{(3333+3+3) \times (33-3)}{(3+3) \times 3} \\
 &:= \frac{(4444+4+4) \times (44-4)}{(4+4) \times 4} = \frac{(5555+5+5) \times (55-5)}{(5+5) \times 5} = \frac{(6666+6+6) \times (66-6)}{(6+6) \times 6}
 \end{aligned}$$

$$:= \frac{(7777 + 7 + 7) \times (77 - 7)}{(7 + 7) \times 7} = \frac{(8888 + 8 + 8) \times (88 - 8)}{(8 + 8) \times 8} = \frac{(9999 + 9 + 9) \times (99 - 9)}{(9 + 9) \times 9}$$

$$\begin{aligned} \textcolor{red}{66565} &:= \frac{(11111 + 1 + 1) \times (11 - 1)}{(1 + 1) \times 1} = \frac{(22222 + 2 + 2) \times (22 - 2)}{(2 + 2) \times 2} = \frac{(33333 + 3 + 3) \times (33 - 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 4 + 4) \times (44 - 4)}{(4 + 4) \times 4} = \frac{(55555 + 5 + 5) \times (55 - 5)}{(5 + 5) \times 5} = \frac{(66666 + 6 + 6) \times (66 - 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 7 + 7) \times (77 - 7)}{(7 + 7) \times 7} = \frac{(88888 + 8 + 8) \times (88 - 8)}{(8 + 8) \times 8} = \frac{(99999 + 9 + 9) \times (99 - 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{666565} &:= \frac{(111111 + 1 + 1) \times (11 - 1)}{(1 + 1) \times 1} = \frac{(222222 + 2 + 2) \times (22 - 2)}{(2 + 2) \times 2} = \frac{(333333 + 3 + 3) \times (33 - 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 4 + 4) \times (44 - 4)}{(4 + 4) \times 4} = \frac{(555555 + 5 + 5) \times (55 - 5)}{(5 + 5) \times 5} = \frac{(666666 + 6 + 6) \times (66 - 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 7 + 7) \times (77 - 7)}{(7 + 7) \times 7} = \frac{(888888 + 8 + 8) \times (88 - 8)}{(8 + 8) \times 8} = \frac{(999999 + 9 + 9) \times (99 - 9)}{(9 + 9) \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{566} &:= \frac{1111 + 11 + 11 - 1}{1 + 1} = \frac{2222 + 22 + 22 - 2}{2 + 2} = \frac{3333 + 33 + 33 - 3}{3 + 3} \\ &:= \frac{4444 + 44 + 44 - 4}{4 + 4} = \frac{5555 + 55 + 55 - 5}{5 + 5} = \frac{6666 + 66 + 66 - 6}{6 + 6} \\ &:= \frac{7777 + 77 + 77 - 7}{7 + 7} = \frac{8888 + 88 + 88 - 8}{8 + 8} = \frac{9999 + 99 + 99 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5566} &:= \frac{11111 + 11 + 11 - 1}{1 + 1} = \frac{22222 + 22 + 22 - 2}{2 + 2} = \frac{33333 + 33 + 33 - 3}{3 + 3} \\ &:= \frac{44444 + 44 + 44 - 4}{4 + 4} = \frac{55555 + 55 + 55 - 5}{5 + 5} = \frac{66666 + 66 + 66 - 6}{6 + 6} \\ &:= \frac{77777 + 77 + 77 - 7}{7 + 7} = \frac{88888 + 88 + 88 - 8}{8 + 8} = \frac{99999 + 99 + 99 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55566} &:= \frac{111111 + 11 + 11 - 1}{1 + 1} = \frac{222222 + 22 + 22 - 2}{2 + 2} = \frac{333333 + 33 + 33 - 3}{3 + 3} \\ &:= \frac{444444 + 44 + 44 - 4}{4 + 4} = \frac{555555 + 55 + 55 - 5}{5 + 5} = \frac{666666 + 66 + 66 - 6}{6 + 6} \\ &:= \frac{777777 + 77 + 77 - 7}{7 + 7} = \frac{888888 + 88 + 88 - 8}{8 + 8} = \frac{999999 + 99 + 99 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555566} &:= \frac{1111111 + 11 + 11 - 1}{1 + 1} = \frac{2222222 + 22 + 22 - 2}{2 + 2} = \frac{3333333 + 33 + 33 - 3}{3 + 3} \\ &:= \frac{4444444 + 44 + 44 - 4}{4 + 4} = \frac{5555555 + 55 + 55 - 5}{5 + 5} = \frac{6666666 + 66 + 66 - 6}{6 + 6} \\ &:= \frac{7777777 + 77 + 77 - 7}{7 + 7} = \frac{8888888 + 88 + 88 - 8}{8 + 8} = \frac{9999999 + 99 + 99 - 9}{9 + 9} \end{aligned}$$

►

$$\textcolor{red}{567} := \frac{1111 + 11 + 11 + 1}{1 + 1} = \frac{2222 + 22 + 22 + 2}{2 + 2} = \frac{3333 + 33 + 33 + 3}{3 + 3}$$

$$\begin{aligned} &:= \frac{4444 + 44 + 44 + 4}{4 + 4} = \frac{5555 + 55 + 55 + 5}{5 + 5} = \frac{6666 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{7777 + 77 + 77 + 7}{7 + 7} = \frac{8888 + 88 + 88 + 8}{8 + 8} = \frac{9999 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5567} &:= \frac{11111 + 11 + 11 + 1}{1 + 1} = \frac{22222 + 22 + 22 + 2}{2 + 2} = \frac{33333 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{44444 + 44 + 44 + 4}{4 + 4} = \frac{55555 + 55 + 55 + 5}{5 + 5} = \frac{66666 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{77777 + 77 + 77 + 7}{7 + 7} = \frac{88888 + 88 + 88 + 8}{8 + 8} = \frac{99999 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55567} &:= \frac{111111 + 11 + 11 + 1}{1 + 1} = \frac{222222 + 22 + 22 + 2}{2 + 2} = \frac{333333 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{444444 + 44 + 44 + 4}{4 + 4} = \frac{555555 + 55 + 55 + 5}{5 + 5} = \frac{666666 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{777777 + 77 + 77 + 7}{7 + 7} = \frac{888888 + 88 + 88 + 8}{8 + 8} = \frac{999999 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555567} &:= \frac{1111111 + 11 + 11 + 1}{1 + 1} = \frac{2222222 + 22 + 22 + 2}{2 + 2} = \frac{3333333 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{4444444 + 44 + 44 + 4}{4 + 4} = \frac{5555555 + 55 + 55 + 5}{5 + 5} = \frac{6666666 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{7777777 + 77 + 77 + 7}{7 + 7} = \frac{8888888 + 88 + 88 + 8}{8 + 8} = \frac{9999999 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{568} &:= \frac{1111 + 1}{1 + 1} + \frac{11 + 1}{1} = \frac{2222 + 2}{2 + 2} + \frac{22 + 2}{2} = \frac{3333 + 3}{3 + 3} + \frac{33 + 3}{3} \\ &:= \frac{4444 + 4}{4 + 4} + \frac{44 + 4}{4} = \frac{5555 + 5}{5 + 5} + \frac{55 + 5}{5} = \frac{6666 + 6}{6 + 6} + \frac{66 + 6}{6} \\ &:= \frac{7777 + 7}{7 + 7} + \frac{77 + 7}{7} = \frac{8888 + 8}{8 + 8} + \frac{88 + 8}{8} = \frac{9999 + 9}{9 + 9} + \frac{99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5568} &:= \frac{11111 + 1}{1 + 1} + \frac{11 + 1}{1} = \frac{22222 + 2}{2 + 2} + \frac{22 + 2}{2} = \frac{33333 + 3}{3 + 3} + \frac{33 + 3}{3} \\ &:= \frac{44444 + 4}{4 + 4} + \frac{44 + 4}{4} = \frac{55555 + 5}{5 + 5} + \frac{55 + 5}{5} = \frac{66666 + 6}{6 + 6} + \frac{66 + 6}{6} \\ &:= \frac{77777 + 7}{7 + 7} + \frac{77 + 7}{7} = \frac{88888 + 8}{8 + 8} + \frac{88 + 8}{8} = \frac{99999 + 9}{9 + 9} + \frac{99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55568} &:= \frac{111111 + 1}{1 + 1} + \frac{11 + 1}{1} = \frac{222222 + 2}{2 + 2} + \frac{22 + 2}{2} = \frac{333333 + 3}{3 + 3} + \frac{33 + 3}{3} \\ &:= \frac{444444 + 4}{4 + 4} + \frac{44 + 4}{4} = \frac{555555 + 5}{5 + 5} + \frac{55 + 5}{5} = \frac{666666 + 6}{6 + 6} + \frac{66 + 6}{6} \\ &:= \frac{777777 + 7}{7 + 7} + \frac{77 + 7}{7} = \frac{888888 + 8}{8 + 8} + \frac{88 + 8}{8} = \frac{999999 + 9}{9 + 9} + \frac{99 + 9}{9} \end{aligned}$$

555568

$$\begin{aligned} &:= \frac{111111+1}{1+1} + \frac{11+1}{1} = \frac{222222+2}{2+2} + \frac{22+2}{2} = \frac{333333+3}{3+3} + \frac{33+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{44+4}{4} = \frac{555555+5}{5+5} + \frac{55+5}{5} = \frac{666666+6}{6+6} + \frac{66+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77+7}{7} = \frac{888888+8}{8+8} + \frac{88+8}{8} = \frac{999999+9}{9+9} + \frac{99+9}{9} \end{aligned}$$

► 569

$$\begin{aligned} &:= \frac{1111+1}{1+1} + \frac{11+1+1}{1} = \frac{2222+2}{2+2} + \frac{22+2+2}{2} = \frac{3333+3}{3+3} + \frac{33+3+3}{3} \\ &:= \frac{4444+4}{4+4} + \frac{44+4+4}{4} = \frac{5555+5}{5+5} + \frac{55+5+5}{5} = \frac{6666+6}{6+6} + \frac{66+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{77+7+7}{7} = \frac{8888+8}{8+8} + \frac{88+8+8}{8} = \frac{9999+9}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

5569

$$\begin{aligned} &:= \frac{11111+1}{1+1} + \frac{11+1+1}{1} = \frac{22222+2}{2+2} + \frac{22+2+2}{2} = \frac{33333+3}{3+3} + \frac{33+3+3}{3} \\ &:= \frac{44444+4}{4+4} + \frac{44+4+4}{4} = \frac{55555+5}{5+5} + \frac{55+5+5}{5} = \frac{66666+6}{6+6} + \frac{66+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{77+7+7}{7} = \frac{88888+8}{8+8} + \frac{88+8+8}{8} = \frac{99999+9}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

55569

$$\begin{aligned} &:= \frac{111111+1}{1+1} + \frac{11+1+1}{1} = \frac{222222+2}{2+2} + \frac{22+2+2}{2} = \frac{333333+3}{3+3} + \frac{33+3+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{44+4+4}{4} = \frac{555555+5}{5+5} + \frac{55+5+5}{5} = \frac{666666+6}{6+6} + \frac{66+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77+7+7}{7} = \frac{888888+8}{8+8} + \frac{88+8+8}{8} = \frac{999999+9}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

555569

$$\begin{aligned} &:= \frac{1111111+1}{1+1} + \frac{11+1+1}{1} = \frac{2222222+2}{2+2} + \frac{22+2+2}{2} = \frac{3333333+3}{3+3} + \frac{33+3+3}{3} \\ &:= \frac{4444444+4}{4+4} + \frac{44+4+4}{4} = \frac{5555555+5}{5+5} + \frac{55+5+5}{5} = \frac{6666666+6}{6+6} + \frac{66+6+6}{6} \\ &:= \frac{7777777+7}{7+7} + \frac{77+7+7}{7} = \frac{8888888+8}{8+8} + \frac{88+8+8}{8} = \frac{9999999+9}{9+9} + \frac{99+9+9}{9} \end{aligned}$$

► 570

$$\begin{aligned} &:= \frac{1111+1}{1+1} + \frac{11+1+1+1}{1} = \frac{2222+2}{2+2} + \frac{22+2+2+2}{2} = \frac{3333+3}{3+3} + \frac{33+3+3+3}{3} \\ &:= \frac{4444+4}{4+4} + \frac{44+4+4+4}{4} = \frac{5555+5}{5+5} + \frac{55+5+5+5}{5} = \frac{6666+6}{6+6} + \frac{66+6+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{77+7+7+7}{7} = \frac{8888+8}{8+8} + \frac{88+8+8+8}{8} = \frac{9999+9}{9+9} + \frac{99+9+9+9}{9} \end{aligned}$$

5570

$$\begin{aligned} &:= \frac{11111+1}{1+1} + \frac{11+1+1+1}{1} = \frac{22222+2}{2+2} + \frac{22+2+2+2}{2} = \frac{33333+3}{3+3} + \frac{33+3+3+3}{3} \\ &:= \frac{44444+4}{4+4} + \frac{44+4+4+4}{4} = \frac{55555+5}{5+5} + \frac{55+5+5+5}{5} = \frac{66666+6}{6+6} + \frac{66+6+6+6}{6} \end{aligned}$$

$$:= \frac{77777+7}{7+7} + \frac{77+7+7+7}{7} = \frac{88888+8}{8+8} + \frac{88+8+8+8}{8} = \frac{99999+9}{9+9} + \frac{99+9+9+9}{9}$$

55570 := $\frac{111111+1}{1+1} + \frac{11+1+1+1}{1} = \frac{222222+2}{2+2} + \frac{22+2+2+2}{2} = \frac{333333+3}{3+3} + \frac{33+3+3+3}{3}$

$$:= \frac{444444+4}{4+4} + \frac{44+4+4+4}{4} = \frac{555555+5}{5+5} + \frac{55+5+5+5}{5} = \frac{666666+6}{6+6} + \frac{66+6+6+6}{6}$$
$$:= \frac{777777+7}{7+7} + \frac{77+7+7+7}{7} = \frac{888888+8}{8+8} + \frac{88+8+8+8}{8} = \frac{999999+9}{9+9} + \frac{99+9+9+9}{9}$$

555570 := $\frac{1111111+1}{1+1} + \frac{11+1+1+1}{1} = \frac{2222222+2}{2+2} + \frac{22+2+2+2}{2} = \frac{3333333+3}{3+3} + \frac{33+3+3+3}{3}$

$$:= \frac{4444444+4}{4+4} + \frac{44+4+4+4}{4} = \frac{5555555+5}{5+5} + \frac{55+5+5+5}{5} = \frac{6666666+6}{6+6} + \frac{66+6+6+6}{6}$$
$$:= \frac{7777777+7}{7+7} + \frac{77+7+7+7}{7} = \frac{8888888+8}{8+8} + \frac{88+8+8+8}{8} = \frac{9999999+9}{9+9} + \frac{99+9+9+9}{9}$$

► **571** := $\frac{1111+11+11+11-1-1}{1+1} = \frac{2222+22+22+22-2-2}{2+2} = \frac{3333+33+33+33-3-3}{3+3}$

$$:= \frac{4444+44+44+44-4-4}{4+4} = \frac{5555+55+55+55-5-5}{5+5} = \frac{6666+66+66+66-6-6}{6+6}$$
$$:= \frac{7777+77+77+77-7-7}{7+7} = \frac{8888+88+88+88-8-8}{8+8} = \frac{9999+99+99+99-9-9}{9+9}$$

5571 := $\frac{11111+11+11+11-1-1}{1+1} = \frac{22222+22+22+22-2-2}{2+2} = \frac{33333+33+33+33-3-3}{3+3}$

$$:= \frac{44444+44+44+44-4-4}{4+4} = \frac{55555+55+55+55-5-5}{5+5} = \frac{66666+66+66+66-6-6}{6+6}$$
$$:= \frac{77777+77+77+77-7-7}{7+7} = \frac{88888+88+88+88-8-8}{8+8} = \frac{99999+99+99+99-9-9}{9+9}$$

55571 := $\frac{111111+11+11+11-1-1}{1+1} = \frac{222222+22+22+22-2-2}{2+2} = \frac{333333+33+33+33-3-3}{3+3}$

$$:= \frac{444444+44+44+44-4-4}{4+4} = \frac{555555+55+55+55-5-5}{5+5} = \frac{666666+66+66+66-6-6}{6+6}$$
$$:= \frac{777777+77+77+77-7-7}{7+7} = \frac{888888+88+88+88-8-8}{8+8} = \frac{999999+99+99+99-9-9}{9+9}$$

555571 := $\frac{1111111+11+11+11-1-1}{1+1} = \frac{2222222+22+22+22-2-2}{2+2} = \frac{3333333+33+33+33-3-3}{3+3}$

$$:= \frac{4444444+44+44+44-4-4}{4+4} = \frac{5555555+55+55+55-5-5}{5+5} = \frac{6666666+66+66+66-6-6}{6+6}$$
$$:= \frac{7777777+77+77+77-7-7}{7+7} = \frac{8888888+88+88+88-8-8}{8+8} = \frac{9999999+99+99+99-9-9}{9+9}$$

► **572** := $\frac{1111+11+11+11}{1+1} = \frac{2222+22+22+22}{2+2} = \frac{3333+33+33+33}{3+3}$

$$\begin{aligned} &:= \frac{4444 + 44 + 44 + 44}{4 + 4} = \frac{5555 + 55 + 55 + 55}{5 + 5} = \frac{6666 + 66 + 66 + 66}{6 + 6} \\ &:= \frac{7777 + 77 + 77 + 77}{7 + 7} = \frac{8888 + 88 + 88 + 88}{8 + 8} = \frac{9999 + 99 + 99 + 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5572} &:= \frac{11111 + 11 + 11 + 11}{1 + 1} = \frac{22222 + 22 + 22 + 22}{2 + 2} = \frac{33333 + 33 + 33 + 33}{3 + 3} \\ &:= \frac{44444 + 44 + 44 + 44}{4 + 4} = \frac{55555 + 55 + 55 + 55}{5 + 5} = \frac{66666 + 66 + 66 + 66}{6 + 6} \\ &:= \frac{77777 + 77 + 77 + 77}{7 + 7} = \frac{88888 + 88 + 88 + 88}{8 + 8} = \frac{99999 + 99 + 99 + 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55572} &:= \frac{111111 + 11 + 11 + 11}{1 + 1} = \frac{222222 + 22 + 22 + 22}{2 + 2} = \frac{333333 + 33 + 33 + 33}{3 + 3} \\ &:= \frac{444444 + 44 + 44 + 44}{4 + 4} = \frac{555555 + 55 + 55 + 55}{5 + 5} = \frac{666666 + 66 + 66 + 66}{6 + 6} \\ &:= \frac{777777 + 77 + 77 + 77}{7 + 7} = \frac{888888 + 88 + 88 + 88}{8 + 8} = \frac{999999 + 99 + 99 + 99}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555572} &:= \frac{1111111 + 11 + 11 + 11}{1 + 1} = \frac{2222222 + 22 + 22 + 22}{2 + 2} = \frac{3333333 + 33 + 33 + 33}{3 + 3} \\ &:= \frac{4444444 + 44 + 44 + 44}{4 + 4} = \frac{5555555 + 55 + 55 + 55}{5 + 5} = \frac{6666666 + 66 + 66 + 66}{6 + 6} \\ &:= \frac{7777777 + 77 + 77 + 77}{7 + 7} = \frac{8888888 + 88 + 88 + 88}{8 + 8} = \frac{9999999 + 99 + 99 + 99}{9 + 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{573} &:= \frac{1111 + 11 + 11 + 11 + 1 + 1}{1 + 1} = \frac{2222 + 22 + 22 + 22 + 2 + 2}{2 + 2} = \frac{3333 + 33 + 33 + 33 + 3 + 3}{3 + 3} \\ &:= \frac{4444 + 44 + 44 + 44 + 4 + 4}{4 + 4} = \frac{5555 + 55 + 55 + 55 + 5 + 5}{5 + 5} = \frac{6666 + 66 + 66 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{7777 + 77 + 77 + 77 + 7 + 7}{7 + 7} = \frac{8888 + 88 + 88 + 88 + 8 + 8}{8 + 8} = \frac{9999 + 99 + 99 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5573} &:= \frac{11111 + 11 + 11 + 11 + 1 + 1}{1 + 1} = \frac{22222 + 22 + 22 + 22 + 2 + 2}{2 + 2} = \frac{33333 + 33 + 33 + 33 + 3 + 3}{3 + 3} \\ &:= \frac{44444 + 44 + 44 + 44 + 4 + 4}{4 + 4} = \frac{55555 + 55 + 55 + 55 + 5 + 5}{5 + 5} = \frac{66666 + 66 + 66 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{77777 + 77 + 77 + 77 + 7 + 7}{7 + 7} = \frac{88888 + 88 + 88 + 88 + 8 + 8}{8 + 8} = \frac{99999 + 99 + 99 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55573} &:= \frac{111111 + 11 + 11 + 11 + 1 + 1}{1 + 1} = \frac{222222 + 22 + 22 + 22 + 2 + 2}{2 + 2} = \frac{333333 + 33 + 33 + 33 + 3 + 3}{3 + 3} \\ &:= \frac{444444 + 44 + 44 + 44 + 4 + 4}{4 + 4} = \frac{555555 + 55 + 55 + 55 + 5 + 5}{5 + 5} = \frac{666666 + 66 + 66 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{777777 + 77 + 77 + 77 + 7 + 7}{7 + 7} = \frac{888888 + 88 + 88 + 88 + 8 + 8}{8 + 8} = \frac{999999 + 99 + 99 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{555573} &:= \frac{1111111 + 11 + 11 + 11 + 1 + 1}{1 + 1} = \frac{2222222 + 22 + 22 + 22 + 2 + 2}{2 + 2} = \frac{3333333 + 33 + 33 + 33 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 + 44 + 44 + 44 + 4 + 4}{4 + 4} = \frac{5555555 + 55 + 55 + 55 + 5 + 5}{5 + 5} = \frac{6666666 + 66 + 66 + 66 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 + 77 + 77 + 77 + 7 + 7}{7 + 7} = \frac{8888888 + 88 + 88 + 88 + 8 + 8}{8 + 8} = \frac{9999999 + 99 + 99 + 99 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{574} &:= \frac{(111 + 11 + 1) \times (111 + 1)}{(11 + 1) \times (1 + 1)} = \frac{(222 + 22 + 2) \times (222 + 2)}{(22 + 2) \times (2 + 2)} = \frac{(333 + 33 + 3) \times (333 + 3)}{(33 + 3) \times (3 + 3)} \\ &:= \frac{(444 + 44 + 4) \times (444 + 4)}{(44 + 4) \times (4 + 4)} = \frac{(555 + 55 + 5) \times (555 + 5)}{(55 + 5) \times (5 + 5)} = \frac{(666 + 66 + 6) \times (666 + 6)}{(66 + 6) \times (6 + 6)} \\ &:= \frac{(777 + 77 + 7) \times (777 + 7)}{(77 + 7) \times (7 + 7)} = \frac{(888 + 88 + 8) \times (888 + 8)}{(88 + 8) \times (8 + 8)} = \frac{(999 + 99 + 9) \times (999 + 9)}{(99 + 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \mathbf{5754} &:= \frac{(1111 + 111 + 11) \times (111 + 1)}{(11 + 1) \times (1 + 1)} = \frac{(2222 + 222 + 22) \times (222 + 2)}{(22 + 2) \times (2 + 2)} = \frac{(3333 + 333 + 33) \times (333 + 3)}{(33 + 3) \times (3 + 3)} \\ &:= \frac{(4444 + 444 + 44) \times (444 + 4)}{(44 + 4) \times (4 + 4)} = \frac{(5555 + 555 + 55) \times (555 + 5)}{(55 + 5) \times (5 + 5)} = \frac{(6666 + 666 + 66) \times (666 + 6)}{(66 + 6) \times (6 + 6)} \\ &:= \frac{(7777 + 777 + 77) \times (777 + 7)}{(77 + 7) \times (7 + 7)} = \frac{(8888 + 888 + 88) \times (888 + 8)}{(88 + 8) \times (8 + 8)} = \frac{(9999 + 999 + 99) \times (999 + 9)}{(99 + 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \mathbf{57554} &:= \frac{(11111 + 1111 + 111) \times (111 + 1)}{(11 + 1) \times (1 + 1)} = \frac{(22222 + 2222 + 222) \times (222 + 2)}{(22 + 2) \times (2 + 2)} = \frac{(33333 + 3333 + 333) \times (333 + 3)}{(33 + 3) \times (3 + 3)} \\ &:= \frac{(44444 + 4444 + 444) \times (444 + 4)}{(44 + 4) \times (4 + 4)} = \frac{(55555 + 5555 + 555) \times (555 + 5)}{(55 + 5) \times (5 + 5)} = \frac{(66666 + 6666 + 666) \times (666 + 6)}{(66 + 6) \times (6 + 6)} \\ &:= \frac{(77777 + 7777 + 777) \times (777 + 7)}{(77 + 7) \times (7 + 7)} = \frac{(88888 + 8888 + 888) \times (888 + 8)}{(88 + 8) \times (8 + 8)} = \frac{(99999 + 9999 + 999) \times (999 + 9)}{(99 + 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \mathbf{575554} &:= \frac{(111111 + 11111 + 1111) \times (111 + 1)}{(11 + 1) \times (1 + 1)} = \frac{(222222 + 22222 + 2222) \times (222 + 2)}{(22 + 2) \times (2 + 2)} = \frac{(333333 + 33333 + 3333) \times (333 + 3)}{(33 + 3) \times (3 + 3)} \\ &:= \frac{(444444 + 44444 + 4444) \times (444 + 4)}{(44 + 4) \times (4 + 4)} = \frac{(555555 + 55555 + 5555) \times (555 + 5)}{(55 + 5) \times (5 + 5)} = \frac{(666666 + 66666 + 6666) \times (666 + 6)}{(66 + 6) \times (6 + 6)} \\ &:= \frac{(777777 + 77777 + 7777) \times (777 + 7)}{(77 + 7) \times (7 + 7)} = \frac{(888888 + 88888 + 8888) \times (888 + 8)}{(88 + 8) \times (8 + 8)} = \frac{(999999 + 99999 + 9999) \times (999 + 9)}{(99 + 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{575} &:= \frac{(111 - 11) \times (11 + 11 + 1)}{(1 + 1 + 1 + 1) \times 1} = \frac{(222 - 22) \times (22 + 22 + 2)}{(2 + 2 + 2 + 2) \times 2} = \frac{(333 - 33) \times (33 + 33 + 3)}{(3 + 3 + 3 + 3) \times 3} \\ &:= \frac{(444 - 44) \times (44 + 44 + 4)}{(4 + 4 + 4 + 4) \times 4} = \frac{(555 - 55) \times (55 + 55 + 5)}{(5 + 5 + 5 + 5) \times 5} = \frac{(666 - 66) \times (66 + 66 + 6)}{(6 + 6 + 6 + 6) \times 6} \\ &:= \frac{(777 - 77) \times (77 + 77 + 7)}{(7 + 7 + 7 + 7) \times 7} = \frac{(888 - 88) \times (88 + 88 + 8)}{(8 + 8 + 8 + 8) \times 8} = \frac{(999 - 99) \times (99 + 99 + 9)}{(9 + 9 + 9 + 9) \times 9} \end{aligned}$$

$$\mathbf{5750} := \frac{(1111 - 111) \times (11 + 11 + 1)}{(1 + 1 + 1 + 1) \times 1} = \frac{(2222 - 222) \times (22 + 22 + 2)}{(2 + 2 + 2 + 2) \times 2} = \frac{(3333 - 333) \times (33 + 33 + 3)}{(3 + 3 + 3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(4444 - 444) \times (44 + 44 + 4)}{(4 + 4 + 4 + 4) \times 4} = \frac{(5555 - 555) \times (55 + 55 + 5)}{(5 + 5 + 5 + 5) \times 5} = \frac{(6666 - 666) \times (66 + 66 + 6)}{(6 + 6 + 6 + 6) \times 6} \\ &:= \frac{(7777 - 777) \times (77 + 77 + 7)}{(7 + 7 + 7 + 7) \times 7} = \frac{(8888 - 888) \times (88 + 88 + 8)}{(8 + 8 + 8 + 8) \times 8} = \frac{(9999 - 999) \times (99 + 99 + 9)}{(9 + 9 + 9 + 9) \times 9} \end{aligned}$$

57500

$$\begin{aligned} &:= \frac{(11111 - 1111) \times (11 + 11 + 1)}{(1 + 1 + 1 + 1) \times 1} = \frac{(22222 - 2222) \times (22 + 22 + 2)}{(2 + 2 + 2 + 2) \times 2} = \frac{(33333 - 3333) \times (33 + 33 + 3)}{(3 + 3 + 3 + 3) \times 3} \\ &:= \frac{(44444 - 4444) \times (44 + 44 + 4)}{(4 + 4 + 4 + 4) \times 4} = \frac{(55555 - 5555) \times (55 + 55 + 5)}{(5 + 5 + 5 + 5) \times 5} = \frac{(66666 - 6666) \times (66 + 66 + 6)}{(6 + 6 + 6 + 6) \times 6} \\ &:= \frac{(77777 - 7777) \times (77 + 77 + 7)}{(7 + 7 + 7 + 7) \times 7} = \frac{(88888 - 8888) \times (88 + 88 + 8)}{(8 + 8 + 8 + 8) \times 8} = \frac{(99999 - 9999) \times (99 + 99 + 9)}{(9 + 9 + 9 + 9) \times 9} \end{aligned}$$

575000

$$\begin{aligned} &:= \frac{(111111 - 11111) \times (11 + 11 + 1)}{(1 + 1 + 1 + 1) \times 1} = \frac{(222222 - 22222) \times (22 + 22 + 2)}{(2 + 2 + 2 + 2) \times 2} = \frac{(333333 - 33333) \times (33 + 33 + 3)}{(3 + 3 + 3 + 3) \times 3} \\ &:= \frac{(444444 - 44444) \times (44 + 44 + 4)}{(4 + 4 + 4 + 4) \times 4} = \frac{(555555 - 55555) \times (55 + 55 + 5)}{(5 + 5 + 5 + 5) \times 5} = \frac{(666666 - 66666) \times (66 + 66 + 6)}{(6 + 6 + 6 + 6) \times 6} \\ &:= \frac{(777777 - 77777) \times (77 + 77 + 7)}{(7 + 7 + 7 + 7) \times 7} = \frac{(888888 - 88888) \times (88 + 88 + 8)}{(8 + 8 + 8 + 8) \times 8} = \frac{(999999 - 99999) \times (99 + 99 + 9)}{(9 + 9 + 9 + 9) \times 9} \end{aligned}$$

► 576

$$\begin{aligned} &:= \frac{1111 + 11 + 11 + 11 + 11 - 1 - 1 - 1}{1 + 1} = \frac{2222 + 22 + 22 + 22 + 22 - 2 - 2 - 2}{2 + 2} = \frac{3333 + 33 + 33 + 33 + 33 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{4444 + 44 + 44 + 44 + 44 - 4 - 4 - 4}{4 + 4} = \frac{5555 + 55 + 55 + 55 + 55 - 5 - 5 - 5}{5 + 5} = \frac{6666 + 66 + 66 + 66 + 66 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{7777 + 77 + 77 + 77 + 77 - 7 - 7 - 7}{7 + 7} = \frac{8888 + 88 + 88 + 88 + 88 - 8 - 8 - 8}{8 + 8} = \frac{9999 + 99 + 99 + 99 + 99 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

5576

$$\begin{aligned} &:= \frac{11111 + 11 + 11 + 11 + 11 - 1 - 1 - 1}{1 + 1} = \frac{22222 + 22 + 22 + 22 + 22 - 2 - 2 - 2}{2 + 2} = \frac{33333 + 33 + 33 + 33 + 33 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{44444 + 44 + 44 + 44 + 44 - 4 - 4 - 4}{4 + 4} = \frac{55555 + 55 + 55 + 55 + 55 - 5 - 5 - 5}{5 + 5} = \frac{66666 + 66 + 66 + 66 + 66 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{77777 + 77 + 77 + 77 + 77 - 7 - 7 - 7}{7 + 7} = \frac{88888 + 88 + 88 + 88 + 88 - 8 - 8 - 8}{8 + 8} = \frac{99999 + 99 + 99 + 99 + 99 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

55576

$$\begin{aligned} &:= \frac{111111 + 11 + 11 + 11 + 11 - 1 - 1 - 1}{1 + 1} = \frac{222222 + 22 + 22 + 22 + 22 - 2 - 2 - 2}{2 + 2} = \frac{333333 + 33 + 33 + 33 + 33 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{444444 + 44 + 44 + 44 + 44 - 4 - 4 - 4}{4 + 4} = \frac{555555 + 55 + 55 + 55 + 55 - 5 - 5 - 5}{5 + 5} = \frac{666666 + 66 + 66 + 66 + 66 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{777777 + 77 + 77 + 77 + 77 - 7 - 7 - 7}{7 + 7} = \frac{888888 + 88 + 88 + 88 + 88 - 8 - 8 - 8}{8 + 8} = \frac{999999 + 99 + 99 + 99 + 99 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

555576

$$\begin{aligned} &:= \frac{1111111 + 11 + 11 + 11 + 11 - 1 - 1 - 1}{1 + 1} = \frac{2222222 + 22 + 22 + 22 + 22 - 2 - 2 - 2}{2 + 2} = \frac{3333333 + 33 + 33 + 33 + 33 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{4444444 + 44 + 44 + 44 + 44 - 4 - 4 - 4}{4 + 4} = \frac{5555555 + 55 + 55 + 55 + 55 - 5 - 5 - 5}{5 + 5} = \frac{6666666 + 66 + 66 + 66 + 66 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{7777777 + 77 + 77 + 77 + 77 - 7 - 7 - 7}{7 + 7} = \frac{8888888 + 88 + 88 + 88 + 88 - 8 - 8 - 8}{8 + 8} = \frac{9999999 + 99 + 99 + 99 + 99 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

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577

$$\begin{aligned} &:= \frac{1111 + 11 + 11 + 11 + 11 - 1}{1 + 1} = \frac{2222 + 22 + 22 + 22 + 22 - 2}{2 + 2} = \frac{3333 + 33 + 33 + 33 + 33 - 3}{3 + 3} \\ &:= \frac{4444 + 44 + 44 + 44 + 44 - 4}{4 + 4} = \frac{5555 + 55 + 55 + 55 + 55 - 5}{5 + 5} = \frac{6666 + 66 + 66 + 66 + 66 - 6}{6 + 6} \\ &:= \frac{7777 + 77 + 77 + 77 + 77 - 7}{7 + 7} = \frac{8888 + 88 + 88 + 88 + 88 - 8}{8 + 8} = \frac{9999 + 99 + 99 + 99 + 99 - 9}{9 + 9} \end{aligned}$$

5577

$$\begin{aligned} &:= \frac{11111 + 11 + 11 + 11 + 11 - 1}{1 + 1} = \frac{22222 + 22 + 22 + 22 + 22 - 2}{2 + 2} = \frac{33333 + 33 + 33 + 33 + 33 - 3}{3 + 3} \\ &:= \frac{44444 + 44 + 44 + 44 + 44 - 4}{4 + 4} = \frac{55555 + 55 + 55 + 55 + 55 - 5}{5 + 5} = \frac{66666 + 66 + 66 + 66 + 66 - 6}{6 + 6} \\ &:= \frac{77777 + 77 + 77 + 77 + 77 - 7}{7 + 7} = \frac{88888 + 88 + 88 + 88 + 88 - 8}{8 + 8} = \frac{99999 + 99 + 99 + 99 + 99 - 9}{9 + 9} \end{aligned}$$

55577

$$\begin{aligned} &:= \frac{111111 + 11 + 11 + 11 + 11 - 1}{1 + 1} = \frac{222222 + 22 + 22 + 22 + 22 - 2}{2 + 2} = \frac{333333 + 33 + 33 + 33 + 33 - 3}{3 + 3} \\ &:= \frac{444444 + 44 + 44 + 44 + 44 - 4}{4 + 4} = \frac{555555 + 55 + 55 + 55 + 55 - 5}{5 + 5} = \frac{666666 + 66 + 66 + 66 + 66 - 6}{6 + 6} \\ &:= \frac{777777 + 77 + 77 + 77 + 77 - 7}{7 + 7} = \frac{888888 + 88 + 88 + 88 + 88 - 8}{8 + 8} = \frac{999999 + 99 + 99 + 99 + 99 - 9}{9 + 9} \end{aligned}$$

555577

$$\begin{aligned} &:= \frac{1111111 + 11 + 11 + 11 + 11 - 1}{1 + 1} = \frac{2222222 + 22 + 22 + 22 + 22 - 2}{2 + 2} = \frac{3333333 + 33 + 33 + 33 + 33 - 3}{3 + 3} \\ &:= \frac{4444444 + 44 + 44 + 44 + 44 - 4}{4 + 4} = \frac{5555555 + 55 + 55 + 55 + 55 - 5}{5 + 5} = \frac{6666666 + 66 + 66 + 66 + 66 - 6}{6 + 6} \\ &:= \frac{7777777 + 77 + 77 + 77 + 77 - 7}{7 + 7} = \frac{8888888 + 88 + 88 + 88 + 88 - 8}{8 + 8} = \frac{9999999 + 99 + 99 + 99 + 99 - 9}{9 + 9} \end{aligned}$$

►

578

$$\begin{aligned} &:= \frac{1111 + 11 + 11 + 11 + 11 + 1}{1 + 1} = \frac{2222 + 22 + 22 + 22 + 22 + 2}{2 + 2} = \frac{3333 + 33 + 33 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{4444 + 44 + 44 + 44 + 44 + 4}{4 + 4} = \frac{5555 + 55 + 55 + 55 + 55 + 5}{5 + 5} = \frac{6666 + 66 + 66 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{7777 + 77 + 77 + 77 + 77 + 7}{7 + 7} = \frac{8888 + 88 + 88 + 88 + 88 + 8}{8 + 8} = \frac{9999 + 99 + 99 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

5578

$$\begin{aligned} &:= \frac{11111 + 11 + 11 + 11 + 11 + 1}{1 + 1} = \frac{22222 + 22 + 22 + 22 + 22 + 2}{2 + 2} = \frac{33333 + 33 + 33 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{44444 + 44 + 44 + 44 + 44 + 4}{4 + 4} = \frac{55555 + 55 + 55 + 55 + 55 + 5}{5 + 5} = \frac{66666 + 66 + 66 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{77777 + 77 + 77 + 77 + 77 + 7}{7 + 7} = \frac{88888 + 88 + 88 + 88 + 88 + 8}{8 + 8} = \frac{99999 + 99 + 99 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

55578

$$\begin{aligned} &:= \frac{111111 + 11 + 11 + 11 + 11 + 1}{1 + 1} = \frac{222222 + 22 + 22 + 22 + 22 + 2}{2 + 2} = \frac{333333 + 33 + 33 + 33 + 33 + 3}{3 + 3} \\ &:= \frac{444444 + 44 + 44 + 44 + 44 + 4}{4 + 4} = \frac{555555 + 55 + 55 + 55 + 55 + 5}{5 + 5} = \frac{666666 + 66 + 66 + 66 + 66 + 6}{6 + 6} \\ &:= \frac{777777 + 77 + 77 + 77 + 77 + 7}{7 + 7} = \frac{888888 + 88 + 88 + 88 + 88 + 8}{8 + 8} = \frac{999999 + 99 + 99 + 99 + 99 + 9}{9 + 9} \end{aligned}$$

555578 := $\frac{1111111 + 11 + 11 + 11 + 11 + 1}{1 + 1} = \frac{2222222 + 22 + 22 + 22 + 22 + 2}{2 + 2} = \frac{3333333 + 33 + 33 + 33 + 33 + 3}{3 + 3}$
:= $\frac{4444444 + 44 + 44 + 44 + 44 + 4}{4 + 4} = \frac{5555555 + 55 + 55 + 55 + 55 + 5}{5 + 5} = \frac{6666666 + 66 + 66 + 66 + 66 + 6}{6 + 6}$
:= $\frac{7777777 + 77 + 77 + 77 + 77 + 7}{7 + 7} = \frac{8888888 + 88 + 88 + 88 + 88 + 8}{8 + 8} = \frac{9999999 + 99 + 99 + 99 + 99 + 9}{9 + 9}$

► **579** := $\frac{1111 + 1}{1 + 1} + \frac{11 + 11 + 1}{1} = \frac{2222 + 2}{2 + 2} + \frac{22 + 22 + 2}{2} = \frac{3333 + 3}{3 + 3} + \frac{33 + 33 + 3}{3}$
:= $\frac{4444 + 4}{4 + 4} + \frac{44 + 44 + 4}{4} = \frac{5555 + 5}{5 + 5} + \frac{55 + 55 + 5}{5} = \frac{6666 + 6}{6 + 6} + \frac{66 + 66 + 6}{6}$
:= $\frac{7777 + 7}{7 + 7} + \frac{77 + 77 + 7}{7} = \frac{8888 + 8}{8 + 8} + \frac{88 + 88 + 8}{8} = \frac{9999 + 9}{9 + 9} + \frac{99 + 99 + 9}{9}$

5579 := $\frac{11111 + 1}{1 + 1} + \frac{11 + 11 + 1}{1} = \frac{22222 + 2}{2 + 2} + \frac{22 + 22 + 2}{2} = \frac{33333 + 3}{3 + 3} + \frac{33 + 33 + 3}{3}$
:= $\frac{44444 + 4}{4 + 4} + \frac{44 + 44 + 4}{4} = \frac{55555 + 5}{5 + 5} + \frac{55 + 55 + 5}{5} = \frac{66666 + 6}{6 + 6} + \frac{66 + 66 + 6}{6}$
:= $\frac{77777 + 7}{7 + 7} + \frac{77 + 77 + 7}{7} = \frac{88888 + 8}{8 + 8} + \frac{88 + 88 + 8}{8} = \frac{99999 + 9}{9 + 9} + \frac{99 + 99 + 9}{9}$

55579 := $\frac{11111 + 1}{1 + 1} + \frac{11 + 11 + 1}{1} = \frac{22222 + 2}{2 + 2} + \frac{22 + 22 + 2}{2} = \frac{33333 + 3}{3 + 3} + \frac{33 + 33 + 3}{3}$
:= $\frac{44444 + 4}{4 + 4} + \frac{44 + 44 + 4}{4} = \frac{55555 + 5}{5 + 5} + \frac{55 + 55 + 5}{5} = \frac{66666 + 6}{6 + 6} + \frac{66 + 66 + 6}{6}$
:= $\frac{77777 + 7}{7 + 7} + \frac{77 + 77 + 7}{7} = \frac{88888 + 8}{8 + 8} + \frac{88 + 88 + 8}{8} = \frac{99999 + 9}{9 + 9} + \frac{99 + 99 + 9}{9}$

555579 := $\frac{111111 + 1}{1 + 1} + \frac{11 + 11 + 1}{1} = \frac{222222 + 2}{2 + 2} + \frac{22 + 22 + 2}{2} = \frac{333333 + 3}{3 + 3} + \frac{33 + 33 + 3}{3}$
:= $\frac{444444 + 4}{4 + 4} + \frac{44 + 44 + 4}{4} = \frac{555555 + 5}{5 + 5} + \frac{55 + 55 + 5}{5} = \frac{666666 + 6}{6 + 6} + \frac{66 + 66 + 6}{6}$
:= $\frac{777777 + 7}{7 + 7} + \frac{77 + 77 + 7}{7} = \frac{888888 + 8}{8 + 8} + \frac{88 + 88 + 8}{8} = \frac{999999 + 9}{9 + 9} + \frac{99 + 99 + 9}{9}$

► **580** := $\frac{1111 + 1}{1 + 1} + \frac{11 + 11 + 1 + 1}{1} = \frac{2222 + 2}{2 + 2} + \frac{22 + 22 + 2 + 2}{2} = \frac{3333 + 3}{3 + 3} + \frac{33 + 33 + 3 + 3}{3}$
:= $\frac{4444 + 4}{4 + 4} + \frac{44 + 44 + 4 + 4}{4} = \frac{5555 + 5}{5 + 5} + \frac{55 + 55 + 5 + 5}{5} = \frac{6666 + 6}{6 + 6} + \frac{66 + 66 + 6 + 6}{6}$
:= $\frac{7777 + 7}{7 + 7} + \frac{77 + 77 + 7 + 7}{7} = \frac{8888 + 8}{8 + 8} + \frac{88 + 88 + 8 + 8}{8} = \frac{9999 + 9}{9 + 9} + \frac{99 + 99 + 9 + 9}{9}$

5580 := $\frac{11111 + 1}{1 + 1} + \frac{11 + 11 + 1 + 1}{1} = \frac{22222 + 2}{2 + 2} + \frac{22 + 22 + 2 + 2}{2} = \frac{33333 + 3}{3 + 3} + \frac{33 + 33 + 3 + 3}{3}$
:= $\frac{44444 + 4}{4 + 4} + \frac{44 + 44 + 4 + 4}{4} = \frac{55555 + 5}{5 + 5} + \frac{55 + 55 + 5 + 5}{5} = \frac{66666 + 6}{6 + 6} + \frac{66 + 66 + 6 + 6}{6}$

$$:= \frac{77777+7}{7+7} + \frac{77+77+7+7}{7} = \frac{88888+8}{8+8} + \frac{88+88+8+8}{8} = \frac{99999+9}{9+9} + \frac{99+99+9+9}{9}$$

$$\begin{aligned} \textcolor{red}{55580} &:= \frac{111111+1}{1+1} + \frac{11+11+1+1}{1} = \frac{222222+2}{2+2} + \frac{22+22+2+2}{2} = \frac{333333+3}{3+3} + \frac{33+33+3+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{44+44+4+4}{4} = \frac{555555+5}{5+5} + \frac{55+55+5+5}{5} = \frac{666666+6}{6+6} + \frac{66+66+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77+77+7+7}{7} = \frac{888888+8}{8+8} + \frac{88+88+8+8}{8} = \frac{999999+9}{9+9} + \frac{99+99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555580} &:= \frac{1111111+1}{1+1} + \frac{11+11+1+1}{1} = \frac{2222222+2}{2+2} + \frac{22+22+2+2}{2} = \frac{3333333+3}{3+3} + \frac{33+33+3+3}{3} \\ &:= \frac{4444444+4}{4+4} + \frac{44+44+4+4}{4} = \frac{5555555+5}{5+5} + \frac{55+55+5+5}{5} = \frac{6666666+6}{6+6} + \frac{66+66+6+6}{6} \\ &:= \frac{7777777+7}{7+7} + \frac{77+77+7+7}{7} = \frac{8888888+8}{8+8} + \frac{88+88+8+8}{8} = \frac{9999999+9}{9+9} + \frac{99+99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{581} &:= \frac{1111+1}{1+1} + \frac{11+11+1+1+1}{1} = \frac{2222+2}{2+2} + \frac{22+22+2+2+2}{2} = \frac{3333+3}{3+3} + \frac{33+33+3+3+3}{3} \\ &:= \frac{4444+4}{4+4} + \frac{44+44+4+4+4}{4} = \frac{5555+5}{5+5} + \frac{55+55+5+5+5}{5} = \frac{6666+6}{6+6} + \frac{66+66+6+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{77+77+7+7+7}{7} = \frac{8888+8}{8+8} + \frac{88+88+8+8+8}{8} = \frac{9999+9}{9+9} + \frac{99+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5581} &:= \frac{11111+1}{1+1} + \frac{11+11+1+1+1}{1} = \frac{22222+2}{2+2} + \frac{22+22+2+2+2}{2} = \frac{33333+3}{3+3} + \frac{33+33+3+3+3}{3} \\ &:= \frac{44444+4}{4+4} + \frac{44+44+4+4+4}{4} = \frac{55555+5}{5+5} + \frac{55+55+5+5+5}{5} = \frac{66666+6}{6+6} + \frac{66+66+6+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{77+77+7+7+7}{7} = \frac{88888+8}{8+8} + \frac{88+88+8+8+8}{8} = \frac{99999+9}{9+9} + \frac{99+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55581} &:= \frac{111111+1}{1+1} + \frac{11+11+1+1+1}{1} = \frac{222222+2}{2+2} + \frac{22+22+2+2+2}{2} = \frac{333333+3}{3+3} + \frac{33+33+3+3+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{44+44+4+4+4}{4} = \frac{555555+5}{5+5} + \frac{55+55+5+5+5}{5} = \frac{666666+6}{6+6} + \frac{66+66+6+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77+77+7+7+7}{7} = \frac{888888+8}{8+8} + \frac{88+88+8+8+8}{8} = \frac{999999+9}{9+9} + \frac{99+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555581} &:= \frac{1111111+1}{1+1} + \frac{11+11+1+1+1}{1} = \frac{2222222+2}{2+2} + \frac{22+22+2+2+2}{2} = \frac{3333333+3}{3+3} + \frac{33+33+3+3+3}{3} \\ &:= \frac{4444444+4}{4+4} + \frac{44+44+4+4+4}{4} = \frac{5555555+5}{5+5} + \frac{55+55+5+5+5}{5} = \frac{6666666+6}{6+6} + \frac{66+66+6+6+6}{6} \\ &:= \frac{7777777+7}{7+7} + \frac{77+77+7+7+7}{7} = \frac{8888888+8}{8+8} + \frac{88+88+8+8+8}{8} = \frac{9999999+9}{9+9} + \frac{99+99+9+9+9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{582} := \frac{1111+1}{1+1} + \frac{11+11+1+1+1+1}{1} = \frac{2222+2}{2+2} + \frac{22+22+2+2+2+2}{2} = \frac{3333+3}{3+3} + \frac{33+33+3+3+3+3}{3}$$

$$\begin{aligned} &:= \frac{4444+4}{4+4} + \frac{44+44+4+4+4+4}{4} = \frac{5555+5}{5+5} + \frac{55+55+5+5+5+5}{5} = \frac{6666+6}{6+6} + \frac{66+66+6+6+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{77+77+7+7+7+7}{7} = \frac{8888+8}{8+8} + \frac{88+88+8+8+8+8}{8} = \frac{9999+9}{9+9} + \frac{99+99+9+9+9+9}{9} \end{aligned}$$

5582 := $\frac{11111+1}{1+1} + \frac{11+11+1+1+1+1}{1} = \frac{22222+2}{2+2} + \frac{22+22+2+2+2+2}{2} = \frac{33333+3}{3+3} + \frac{33+33+3+3+3+3}{3}$

$$\begin{aligned} &:= \frac{44444+4}{4+4} + \frac{44+44+4+4+4+4}{4} = \frac{55555+5}{5+5} + \frac{55+55+5+5+5+5}{5} = \frac{66666+6}{6+6} + \frac{66+66+6+6+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{77+77+7+7+7+7}{7} = \frac{88888+8}{8+8} + \frac{88+88+8+8+8+8}{8} = \frac{99999+9}{9+9} + \frac{99+99+9+9+9+9}{9} \end{aligned}$$

55582 := $\frac{111111+1}{1+1} + \frac{11+11+1+1+1+1}{1} = \frac{222222+2}{2+2} + \frac{22+22+2+2+2+2}{2} = \frac{333333+3}{3+3} + \frac{33+33+3+3+3+3}{3}$

$$\begin{aligned} &:= \frac{444444+4}{4+4} + \frac{44+44+4+4+4+4}{4} = \frac{555555+5}{5+5} + \frac{55+55+5+5+5+5}{5} = \frac{666666+6}{6+6} + \frac{66+66+6+6+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77+77+7+7+7+7}{7} = \frac{888888+8}{8+8} + \frac{88+88+8+8+8+8}{8} = \frac{999999+9}{9+9} + \frac{99+99+9+9+9+9}{9} \end{aligned}$$

555582 := $\frac{1111111+1}{1+1} + \frac{11+11+1+1+1+1}{1} = \frac{2222222+2}{2+2} + \frac{22+22+2+2+2+2}{2} = \frac{3333333+3}{3+3} + \frac{33+33+3+3+3+3}{3}$

$$\begin{aligned} &:= \frac{4444444+4}{4+4} + \frac{44+44+4+4+4+4}{4} = \frac{5555555+5}{5+5} + \frac{55+55+5+5+5+5}{5} = \frac{6666666+6}{6+6} + \frac{66+66+6+6+6+6}{6} \\ &:= \frac{7777777+7}{7+7} + \frac{77+77+7+7+7+7}{7} = \frac{8888888+8}{8+8} + \frac{88+88+8+8+8+8}{8} = \frac{9999999+9}{9+9} + \frac{99+99+9+9+9+9}{9} \end{aligned}$$

► **583** := $\frac{111+1}{1+1+1+1} + \frac{1111-1}{1+1} = \frac{222+2}{2+2+2+2} + \frac{2222-2}{2+2} = \frac{333+3}{3+3+3+3} + \frac{3333-3}{3+3}$

$$\begin{aligned} &:= \frac{444+4}{4+4+4+4} + \frac{4444-4}{4+4} = \frac{555+5}{5+5+5+5} + \frac{5555-5}{5+5} = \frac{666+6}{6+6+6+6} + \frac{6666-6}{6+6} \\ &:= \frac{777+7}{7+7+7+7} + \frac{7777-7}{7+7} = \frac{888+8}{8+8+8+8} + \frac{8888-8}{8+8} = \frac{999+9}{9+9+9+9} + \frac{9999-9}{9+9} \end{aligned}$$

5583 := $\frac{111+1}{1+1+1+1} + \frac{11111-1}{1+1} = \frac{222+2}{2+2+2+2} + \frac{22222-2}{2+2} = \frac{333+3}{3+3+3+3} + \frac{33333-3}{3+3}$

$$\begin{aligned} &:= \frac{444+4}{4+4+4+4} + \frac{44444-4}{4+4} = \frac{555+5}{5+5+5+5} + \frac{55555-5}{5+5} = \frac{666+6}{6+6+6+6} + \frac{66666-6}{6+6} \\ &:= \frac{777+7}{7+7+7+7} + \frac{77777-7}{7+7} = \frac{888+8}{8+8+8+8} + \frac{88888-8}{8+8} = \frac{999+9}{9+9+9+9} + \frac{99999-9}{9+9} \end{aligned}$$

55583 := $\frac{111+1}{1+1+1+1} + \frac{111111-1}{1+1} = \frac{222+2}{2+2+2+2} + \frac{222222-2}{2+2} = \frac{333+3}{3+3+3+3} + \frac{333333-3}{3+3}$

$$\begin{aligned} &:= \frac{444+4}{4+4+4+4} + \frac{444444-4}{4+4} = \frac{555+5}{5+5+5+5} + \frac{555555-5}{5+5} = \frac{666+6}{6+6+6+6} + \frac{666666-6}{6+6} \\ &:= \frac{777+7}{7+7+7+7} + \frac{777777-7}{7+7} = \frac{888+8}{8+8+8+8} + \frac{888888-8}{8+8} = \frac{999+9}{9+9+9+9} + \frac{999999-9}{9+9} \end{aligned}$$

555583

$$\begin{aligned} &:= \frac{111+1}{1+1+1+1} + \frac{1111111-1}{1+1} = \frac{222+2}{2+2+2+2} + \frac{2222222-2}{2+2} = \frac{333+3}{3+3+3+3} + \frac{3333333-3}{3+3} \\ &:= \frac{444+4}{4+4+4+4} + \frac{4444444-4}{4+4} = \frac{555+5}{5+5+5+5} + \frac{5555555-5}{5+5} = \frac{666+6}{6+6+6+6} + \frac{6666666-6}{6+6} \\ &:= \frac{777+7}{7+7+7+7} + \frac{7777777-7}{7+7} = \frac{888+8}{8+8+8+8} + \frac{8888888-8}{8+8} = \frac{999+9}{9+9+9+9} + \frac{9999999-9}{9+9} \end{aligned}$$

► 584

$$\begin{aligned} &:= \frac{111+1}{1+1+1+1} + \frac{1111+1}{1+1} = \frac{222+2}{2+2+2+2} + \frac{2222+2}{2+2} = \frac{333+3}{3+3+3+3} + \frac{3333+3}{3+3} \\ &:= \frac{444+4}{4+4+4+4} + \frac{4444+4}{4+4} = \frac{555+5}{5+5+5+5} + \frac{5555+5}{5+5} = \frac{666+6}{6+6+6+6} + \frac{6666+6}{6+6} \\ &:= \frac{777+7}{7+7+7+7} + \frac{7777+7}{7+7} = \frac{888+8}{8+8+8+8} + \frac{8888+8}{8+8} = \frac{999+9}{9+9+9+9} + \frac{9999+9}{9+9} \end{aligned}$$

5584

$$\begin{aligned} &:= \frac{111+1}{1+1+1+1} + \frac{11111+1}{1+1} = \frac{222+2}{2+2+2+2} + \frac{22222+2}{2+2} = \frac{333+3}{3+3+3+3} + \frac{33333+3}{3+3} \\ &:= \frac{444+4}{4+4+4+4} + \frac{44444+4}{4+4} = \frac{555+5}{5+5+5+5} + \frac{55555+5}{5+5} = \frac{666+6}{6+6+6+6} + \frac{66666+6}{6+6} \\ &:= \frac{777+7}{7+7+7+7} + \frac{77777+7}{7+7} = \frac{888+8}{8+8+8+8} + \frac{88888+8}{8+8} = \frac{999+9}{9+9+9+9} + \frac{99999+9}{9+9} \end{aligned}$$

55584

$$\begin{aligned} &:= \frac{111+1}{1+1+1+1} + \frac{111111+1}{1+1} = \frac{222+2}{2+2+2+2} + \frac{222222+2}{2+2} = \frac{333+3}{3+3+3+3} + \frac{333333+3}{3+3} \\ &:= \frac{444+4}{4+4+4+4} + \frac{444444+4}{4+4} = \frac{555+5}{5+5+5+5} + \frac{555555+5}{5+5} = \frac{666+6}{6+6+6+6} + \frac{666666+6}{6+6} \\ &:= \frac{777+7}{7+7+7+7} + \frac{777777+7}{7+7} = \frac{888+8}{8+8+8+8} + \frac{888888+8}{8+8} = \frac{999+9}{9+9+9+9} + \frac{999999+9}{9+9} \end{aligned}$$

555584

$$\begin{aligned} &:= \frac{111+1}{1+1+1+1} + \frac{1111111+1}{1+1} = \frac{222+2}{2+2+2+2} + \frac{2222222+2}{2+2} = \frac{333+3}{3+3+3+3} + \frac{3333333+3}{3+3} \\ &:= \frac{444+4}{4+4+4+4} + \frac{4444444+4}{4+4} = \frac{555+5}{5+5+5+5} + \frac{5555555+5}{5+5} = \frac{666+6}{6+6+6+6} + \frac{6666666+6}{6+6} \\ &:= \frac{777+7}{7+7+7+7} + \frac{7777777+7}{7+7} = \frac{888+8}{8+8+8+8} + \frac{8888888+8}{8+8} = \frac{999+9}{9+9+9+9} + \frac{9999999+9}{9+9} \end{aligned}$$

► 585

$$\begin{aligned} &:= \frac{(111+111+11+1) \times (11-1)}{(1+1) \times (1+1)} = \frac{(222+222+22+2) \times (22-2)}{(2+2) \times (2+2)} = \frac{(333+333+33+3) \times (33-3)}{(3+3) \times (3+3)} \\ &:= \frac{(444+444+44+4) \times (44-4)}{(4+4) \times (4+4)} = \frac{(555+555+55+5) \times (55-5)}{(5+5) \times (5+5)} = \frac{(666+666+66+6) \times (66-6)}{(6+6) \times (6+6)} \\ &:= \frac{(777+777+77+7) \times (77-7)}{(7+7) \times (7+7)} = \frac{(888+888+88+8) \times (88-8)}{(8+8) \times (8+8)} = \frac{(999+999+99+9) \times (99-9)}{(9+9) \times (9+9)} \end{aligned}$$

5585

$$\begin{aligned} &:= \frac{(1111+1111+11+1) \times (11-1)}{(1+1) \times (1+1)} = \frac{(2222+2222+22+2) \times (22-2)}{(2+2) \times (2+2)} = \frac{(3333+3333+33+3) \times (33-3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444+4444+44+4) \times (44-4)}{(4+4) \times (4+4)} = \frac{(5555+5555+55+5) \times (55-5)}{(5+5) \times (5+5)} = \frac{(6666+6666+66+6) \times (66-6)}{(6+6) \times (6+6)} \end{aligned}$$

$$:= \frac{(7777 + 7777 + 77 + 7) \times (77 - 7)}{(7 + 7) \times (7 + 7)} = \frac{(8888 + 8888 + 88 + 8) \times (88 - 8)}{(8 + 8) \times (8 + 8)} = \frac{(9999 + 9999 + 99 + 9) \times (99 - 9)}{(9 + 9) \times (9 + 9)}$$

55585 := $\frac{(11111 + 11111 + 11 + 1) \times (11 - 1)}{(1 + 1) \times (1 + 1)} = \frac{(22222 + 22222 + 22 + 2) \times (22 - 2)}{(2 + 2) \times (2 + 2)} = \frac{(33333 + 33333 + 33 + 3) \times (33 - 3)}{(3 + 3) \times (3 + 3)}$

$$:= \frac{(44444 + 44444 + 44 + 4) \times (44 - 4)}{(4 + 4) \times (4 + 4)} = \frac{(55555 + 55555 + 55 + 5) \times (55 - 5)}{(5 + 5) \times (5 + 5)} = \frac{(66666 + 66666 + 66 + 6) \times (66 - 6)}{(6 + 6) \times (6 + 6)}$$
$$:= \frac{(77777 + 77777 + 77 + 7) \times (77 - 7)}{(7 + 7) \times (7 + 7)} = \frac{(88888 + 88888 + 88 + 8) \times (88 - 8)}{(8 + 8) \times (8 + 8)} = \frac{(99999 + 99999 + 99 + 9) \times (99 - 9)}{(9 + 9) \times (9 + 9)}$$

555585 := $\frac{(111111 + 111111 + 11 + 1) \times (11 - 1)}{(1 + 1) \times (1 + 1)} = \frac{(222222 + 222222 + 22 + 2) \times (22 - 2)}{(2 + 2) \times (2 + 2)} = \frac{(333333 + 333333 + 33 + 3) \times (33 - 3)}{(3 + 3) \times (3 + 3)}$

$$:= \frac{(444444 + 444444 + 44 + 4) \times (44 - 4)}{(4 + 4) \times (4 + 4)} = \frac{(555555 + 555555 + 55 + 5) \times (55 - 5)}{(5 + 5) \times (5 + 5)} = \frac{(666666 + 666666 + 66 + 6) \times (66 - 6)}{(6 + 6) \times (6 + 6)}$$
$$:= \frac{(777777 + 777777 + 77 + 7) \times (77 - 7)}{(7 + 7) \times (7 + 7)} = \frac{(888888 + 888888 + 88 + 8) \times (88 - 8)}{(8 + 8) \times (8 + 8)} = \frac{(999999 + 999999 + 99 + 9) \times (99 - 9)}{(9 + 9) \times (9 + 9)}$$

► **586** := $\frac{(11 + 11 + 1) \times 11 + 111 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22 + 2) \times 22 + 222 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33 + 3) \times 33 + 333 \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44 + 44 + 4) \times 44 + 444 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55 + 5) \times 55 + 555 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66 + 6) \times 66 + 666 \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77 + 77 + 7) \times 77 + 777 \times (7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88 + 8) \times 88 + 888 \times (8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99 + 9) \times 99 + 999 \times (9 + 9 + 9)}{9 \times 9}$$

5886 := $\frac{(11 + 11 + 1) \times 111 + 1111 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22 + 2) \times 222 + 2222 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33 + 3) \times 333 + 3333 \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44 + 44 + 4) \times 444 + 4444 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55 + 5) \times 555 + 5555 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66 + 6) \times 666 + 6666 \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77 + 77 + 7) \times 777 + 7777 \times (7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88 + 8) \times 888 + 8888 \times (8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99 + 9) \times 999 + 9999 \times (9 + 9 + 9)}{9 \times 9}$$

58886 := $\frac{(11 + 11 + 1) \times 1111 + 11111 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22 + 2) \times 2222 + 22222 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33 + 3) \times 3333 + 33333 \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44 + 44 + 4) \times 4444 + 44444 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55 + 5) \times 5555 + 55555 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66 + 6) \times 6666 + 66666 \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77 + 77 + 7) \times 7777 + 77777 \times (7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88 + 8) \times 8888 + 88888 \times (8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99 + 9) \times 9999 + 99999 \times (9 + 9 + 9)}{9 \times 9}$$

588886 := $\frac{(11 + 11 + 1) \times 11111 + 111111 \times (1 + 1 + 1)}{1 \times 1} = \frac{(22 + 22 + 2) \times 22222 + 222222 \times (2 + 2 + 2)}{2 \times 2} = \frac{(33 + 33 + 3) \times 33333 + 333333 \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44 + 44 + 4) \times 44444 + 444444 \times (4 + 4 + 4)}{4 \times 4} = \frac{(55 + 55 + 5) \times 55555 + 555555 \times (5 + 5 + 5)}{5 \times 5} = \frac{(66 + 66 + 6) \times 66666 + 666666 \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77 + 77 + 7) \times 77777 + 777777 \times (7 + 7 + 7)}{7 \times 7} = \frac{(88 + 88 + 8) \times 88888 + 888888 \times (8 + 8 + 8)}{8 \times 8} = \frac{(99 + 99 + 9) \times 99999 + 999999 \times (9 + 9 + 9)}{9 \times 9}$$

► **587** := $\frac{1111 - 11}{1 + 1} + \frac{111}{1 + 1 + 1} = \frac{2222 - 22}{2 + 2} + \frac{222}{2 + 2 + 2} = \frac{3333 - 33}{3 + 3} + \frac{333}{3 + 3 + 3}$

$$\begin{aligned} &:= \frac{4444-44}{4+4} + \frac{444}{4+4+4} = \frac{5555-55}{5+5} + \frac{555}{5+5+5} = \frac{6666-66}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{7777-77}{7+7} + \frac{777}{7+7+7} = \frac{8888-88}{8+8} + \frac{888}{8+8+8} = \frac{9999-99}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

5587 := $\frac{11111-11}{1+1} + \frac{111}{1+1+1} = \frac{22222-22}{2+2} + \frac{222}{2+2+2} = \frac{33333-33}{3+3} + \frac{333}{3+3+3}$

$$\begin{aligned} &:= \frac{44444-44}{4+4} + \frac{444}{4+4+4} = \frac{55555-55}{5+5} + \frac{555}{5+5+5} = \frac{66666-66}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{77777-77}{7+7} + \frac{777}{7+7+7} = \frac{88888-88}{8+8} + \frac{888}{8+8+8} = \frac{99999-99}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

55587 := $\frac{111111-11}{1+1} + \frac{111}{1+1+1} = \frac{222222-22}{2+2} + \frac{222}{2+2+2} = \frac{333333-33}{3+3} + \frac{333}{3+3+3}$

$$\begin{aligned} &:= \frac{444444-44}{4+4} + \frac{444}{4+4+4} = \frac{555555-55}{5+5} + \frac{555}{5+5+5} = \frac{666666-66}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{777777-77}{7+7} + \frac{777}{7+7+7} = \frac{888888-88}{8+8} + \frac{888}{8+8+8} = \frac{999999-99}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

555587 := $\frac{1111111-11}{1+1} + \frac{111}{1+1+1} = \frac{2222222-22}{2+2} + \frac{222}{2+2+2} = \frac{3333333-33}{3+3} + \frac{333}{3+3+3}$

$$\begin{aligned} &:= \frac{4444444-44}{4+4} + \frac{444}{4+4+4} = \frac{5555555-55}{5+5} + \frac{555}{5+5+5} = \frac{6666666-66}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{7777777-77}{7+7} + \frac{777}{7+7+7} = \frac{8888888-88}{8+8} + \frac{888}{8+8+8} = \frac{9999999-99}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

► **588** := $\frac{1111-11+1+1}{1+1} + \frac{111}{1+1+1} = \frac{2222-22+2+2}{2+2} + \frac{222}{2+2+2} = \frac{3333-33+3+3}{3+3} + \frac{333}{3+3+3}$

$$\begin{aligned} &:= \frac{4444-44+4+4}{4+4} + \frac{444}{4+4+4} = \frac{5555-55+5+5}{5+5} + \frac{555}{5+5+5} = \frac{6666-66+6+6}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{7777-77+7+7}{7+7} + \frac{777}{7+7+7} = \frac{8888-88+8+8}{8+8} + \frac{888}{8+8+8} = \frac{9999-99+9+9}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

5588 := $\frac{11111-11+1+1}{1+1} + \frac{111}{1+1+1} = \frac{22222-22+2+2}{2+2} + \frac{222}{2+2+2} = \frac{33333-33+3+3}{3+3} + \frac{333}{3+3+3}$

$$\begin{aligned} &:= \frac{44444-44+4+4}{4+4} + \frac{444}{4+4+4} = \frac{55555-55+5+5}{5+5} + \frac{555}{5+5+5} = \frac{66666-66+6+6}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{77777-77+7+7}{7+7} + \frac{777}{7+7+7} = \frac{88888-88+8+8}{8+8} + \frac{888}{8+8+8} = \frac{99999-99+9+9}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

55588 := $\frac{111111-11+1+1}{1+1} + \frac{111}{1+1+1} = \frac{222222-22+2+2}{2+2} + \frac{222}{2+2+2} = \frac{333333-33+3+3}{3+3} + \frac{333}{3+3+3}$

$$\begin{aligned} &:= \frac{444444-44+4+4}{4+4} + \frac{444}{4+4+4} = \frac{555555-55+5+5}{5+5} + \frac{555}{5+5+5} = \frac{666666-66+6+6}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{777777-77+7+7}{7+7} + \frac{777}{7+7+7} = \frac{888888-88+8+8}{8+8} + \frac{888}{8+8+8} = \frac{999999-99+9+9}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

555588

$$\begin{aligned} &:= \frac{1111111 - 11 + 1 + 1}{1 + 1} + \frac{111}{1 + 1 + 1} = \frac{2222222 - 22 + 2 + 2}{2 + 2} + \frac{222}{2 + 2 + 2} = \frac{3333333 - 33 + 3 + 3}{3 + 3} + \frac{333}{3 + 3 + 3} \\ &:= \frac{4444444 - 44 + 4 + 4}{4 + 4} + \frac{444}{4 + 4 + 4} = \frac{5555555 - 55 + 5 + 5}{5 + 5} + \frac{555}{5 + 5 + 5} = \frac{6666666 - 66 + 6 + 6}{6 + 6} + \frac{666}{6 + 6 + 6} \\ &:= \frac{7777777 - 77 + 7 + 7}{7 + 7} + \frac{777}{7 + 7 + 7} = \frac{8888888 - 88 + 8 + 8}{8 + 8} + \frac{888}{8 + 8 + 8} = \frac{9999999 - 99 + 9 + 9}{9 + 9} + \frac{999}{9 + 9 + 9} \end{aligned}$$

► 589

$$\begin{aligned} &:= \frac{(111 - 11) \times (11 + 1) - 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 22) \times (22 + 2) - 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 33) \times (33 + 3) - 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 - 44) \times (44 + 4) - 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 55) \times (55 + 5) - 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 66) \times (66 + 6) - 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 - 77) \times (77 + 7) - 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 88) \times (88 + 8) - 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 99) \times (99 + 9) - 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6589

$$\begin{aligned} &:= \frac{(1111 - 11) \times (11 + 1) - 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 - 22) \times (22 + 2) - 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 - 33) \times (33 + 3) - 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 - 44) \times (44 + 4) - 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 - 55) \times (55 + 5) - 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 - 66) \times (66 + 6) - 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 - 77) \times (77 + 7) - 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 - 88) \times (88 + 8) - 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 - 99) \times (99 + 9) - 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66589

$$\begin{aligned} &:= \frac{(11111 - 11) \times (11 + 1) - 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 - 22) \times (22 + 2) - 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 - 33) \times (33 + 3) - 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 - 44) \times (44 + 4) - 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 - 55) \times (55 + 5) - 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 - 66) \times (66 + 6) - 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 - 77) \times (77 + 7) - 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 - 88) \times (88 + 8) - 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 - 99) \times (99 + 9) - 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666589

$$\begin{aligned} &:= \frac{(111111 - 11) \times (11 + 1) - 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 - 22) \times (22 + 2) - 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 - 33) \times (33 + 3) - 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 - 44) \times (44 + 4) - 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 - 55) \times (55 + 5) - 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 - 66) \times (66 + 6) - 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 - 77) \times (77 + 7) - 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 88) \times (88 + 8) - 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 99) \times (99 + 9) - 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 590

$$\begin{aligned} &:= \frac{(111 - 11) \times (11 + 1) - (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 22) \times (22 + 2) - (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 33) \times (33 + 3) - (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 - 44) \times (44 + 4) - (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 55) \times (55 + 5) - (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 66) \times (66 + 6) - (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 - 77) \times (77 + 7) - (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 88) \times (88 + 8) - (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 99) \times (99 + 9) - (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6590

$$:= \frac{(1111 - 11) \times (11 + 1) - (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 - 22) \times (22 + 2) - (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 - 33) \times (33 + 3) - (33 - 3) \times (3 + 3)}{(3 + 3) \times 3}$$

340

$$\begin{aligned} &:= \frac{(4444-44) \times (44+4) - (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(5555-55) \times (55+5) - (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(6666-66) \times (66+6) - (66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(7777-77) \times (77+7) - (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(8888-88) \times (88+8) - (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(9999-99) \times (99+9) - (99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{66590} &:= \frac{(11111-11) \times (11+1) - (11-1) \times (1+1)}{(1+1) \times 1} = \frac{(22222-22) \times (22+2) - (22-2) \times (2+2)}{(2+2) \times 2} = \frac{(33333-33) \times (33+3) - (33-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(44444-44) \times (44+4) - (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(55555-55) \times (55+5) - (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(66666-66) \times (66+6) - (66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(77777-77) \times (77+7) - (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(88888-88) \times (88+8) - (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(99999-99) \times (99+9) - (99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{666590} &:= \frac{(111111-11) \times (11+1) - (11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222222-22) \times (22+2) - (22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333333-33) \times (33+3) - (33-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444444-44) \times (44+4) - (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555555-55) \times (55+5) - (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666666-66) \times (66+6) - (66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777777-77) \times (77+7) - (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888888-88) \times (88+8) - (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999999-99) \times (99+9) - (99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textbf{591} &:= \frac{(111+1) \times 111 - 1 \times (11+11-1)}{1 \times (11+11-1)} = \frac{(222+2) \times 222 - 2 \times (22+22-2)}{2 \times (22+22-2)} = \frac{(333+3) \times 333 - 3 \times (33+33-3)}{3 \times (33+33-3)} \\ &:= \frac{(444+4) \times 444 - 4 \times (44+44-4)}{4 \times (44+44-4)} = \frac{(555+5) \times 555 - 5 \times (55+55-5)}{5 \times (55+55-5)} = \frac{(666+6) \times 666 - 6 \times (66+66-6)}{6 \times (66+66-6)} \\ &:= \frac{(777+7) \times 777 - 7 \times (77+77-7)}{7 \times (77+77-7)} = \frac{(888+8) \times 888 - 8 \times (88+88-8)}{8 \times (88+88-8)} = \frac{(999+9) \times 999 - 9 \times (99+99-9)}{9 \times (99+99-9)} \end{aligned}$$

$$\begin{aligned} \textbf{592591} &:= \frac{(111+1) \times 111111 - 1 \times (11+11-1)}{1 \times (11+11-1)} = \frac{(222+2) \times 222222 - 2 \times (22+22-2)}{2 \times (22+22-2)} = \frac{(333+3) \times 333333 - 3 \times (33+33-3)}{3 \times (33+33-3)} \\ &:= \frac{(444+4) \times 444444 - 4 \times (44+44-4)}{4 \times (44+44-4)} = \frac{(555+5) \times 555555 - 5 \times (55+55-5)}{5 \times (55+55-5)} = \frac{(666+6) \times 666666 - 6 \times (66+66-6)}{6 \times (66+66-6)} \\ &:= \frac{(777+7) \times 777777 - 7 \times (77+77-7)}{7 \times (77+77-7)} = \frac{(888+8) \times 888888 - 8 \times (88+88-8)}{8 \times (88+88-8)} = \frac{(999+9) \times 999999 - 9 \times (99+99-9)}{9 \times (99+99-9)} \end{aligned}$$

$$\begin{aligned} \textbf{592592591} &:= \frac{(111+1) \times 111111111 - 1 \times (11+11-1)}{1 \times (11+11-1)} = \frac{(222+2) \times 222222222 - 2 \times (22+22-2)}{2 \times (22+22-2)} = \frac{(333+3) \times 333333333 - 3 \times (33+33-3)}{3 \times (33+33-3)} \\ &:= \frac{(444+4) \times 444444444 - 4 \times (44+44-4)}{4 \times (44+44-4)} = \frac{(555+5) \times 555555555 - 5 \times (55+55-5)}{5 \times (55+55-5)} = \frac{(666+6) \times 666666666 - 6 \times (66+66-6)}{6 \times (66+66-6)} \\ &:= \frac{(777+7) \times 777777777 - 7 \times (77+77-7)}{7 \times (77+77-7)} = \frac{(888+8) \times 888888888 - 8 \times (88+88-8)}{8 \times (88+88-8)} = \frac{(999+9) \times 999999999 - 9 \times (99+99-9)}{9 \times (99+99-9)} \end{aligned}$$

$$\begin{aligned} \textbf{592592592591} &:= \frac{(111+1) \times 111111111111 - 1 \times (11+11-1)}{1 \times (11+11-1)} = \frac{(222+2) \times 222222222222 - 2 \times (22+22-2)}{2 \times (22+22-2)} = \frac{(333+3) \times 333333333333 - 3 \times (33+33-3)}{3 \times (33+33-3)} \\ &:= \frac{(444+4) \times 444444444444 - 4 \times (44+44-4)}{4 \times (44+44-4)} = \frac{(555+5) \times 555555555555 - 5 \times (55+55-5)}{5 \times (55+55-5)} = \frac{(666+6) \times 666666666666 - 6 \times (66+66-6)}{6 \times (66+66-6)} \\ &:= \frac{(777+7) \times 777777777777 - 7 \times (77+77-7)}{7 \times (77+77-7)} = \frac{(888+8) \times 888888888888 - 8 \times (88+88-8)}{8 \times (88+88-8)} = \frac{(999+9) \times 999999999999 - 9 \times (99+99-9)}{9 \times (99+99-9)} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 592 &:= \frac{(111+1) \times 111}{(11+11-1) \times 1} = \frac{(222+2) \times 222}{(22+22-2) \times 2} = \frac{(333+3) \times 333}{(33+33-3) \times 3} \\ &:= \frac{(444+4) \times 444}{(44+44-4) \times 4} = \frac{(555+5) \times 555}{(55+55-5) \times 5} = \frac{(666+6) \times 666}{(66+66-6) \times 6} \\ &:= \frac{(777+7) \times 777}{(77+77-7) \times 7} = \frac{(888+8) \times 888}{(88+88-8) \times 8} = \frac{(999+9) \times 999}{(99+99-9) \times 9} \end{aligned}$$

$$\begin{aligned} 592592 &:= \frac{(111+1) \times 111111}{(11+11-1) \times 1} = \frac{(222+2) \times 222222}{(22+22-2) \times 2} = \frac{(333+3) \times 333333}{(33+33-3) \times 3} \\ &:= \frac{(444+4) \times 444444}{(44+44-4) \times 4} = \frac{(555+5) \times 555555}{(55+55-5) \times 5} = \frac{(666+6) \times 666666}{(66+66-6) \times 6} \\ &:= \frac{(777+7) \times 777777}{(77+77-7) \times 7} = \frac{(888+8) \times 888888}{(88+88-8) \times 8} = \frac{(999+9) \times 999999}{(99+99-9) \times 9} \end{aligned}$$

$$\begin{aligned} 592592592 &:= \frac{(111+1) \times 111111111}{(11+11-1) \times 1} = \frac{(222+2) \times 222222222}{(22+22-2) \times 2} = \frac{(333+3) \times 333333333}{(33+33-3) \times 3} \\ &:= \frac{(444+4) \times 444444444}{(44+44-4) \times 4} = \frac{(555+5) \times 555555555}{(55+55-5) \times 5} = \frac{(666+6) \times 666666666}{(66+66-6) \times 6} \\ &:= \frac{(777+7) \times 777777777}{(77+77-7) \times 7} = \frac{(888+8) \times 888888888}{(88+88-8) \times 8} = \frac{(999+9) \times 999999999}{(99+99-9) \times 9} \end{aligned}$$

$$\begin{aligned} 592592592592 &:= \frac{(111+1) \times 111111111111}{(11+11-1) \times 1} = \frac{(222+2) \times 222222222222}{(22+22-2) \times 2} = \frac{(333+3) \times 333333333333}{(33+33-3) \times 3} \\ &:= \frac{(444+4) \times 444444444444}{(44+44-4) \times 4} = \frac{(555+5) \times 555555555555}{(55+55-5) \times 5} = \frac{(666+6) \times 666666666666}{(66+66-6) \times 6} \\ &:= \frac{(777+7) \times 777777777777}{(77+77-7) \times 7} = \frac{(888+8) \times 888888888888}{(88+88-8) \times 8} = \frac{(999+9) \times 999999999999}{(99+99-9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 593 &:= \frac{(111-1-1) \times 11-1 \times (11+1+1)}{(1+1) \times 1} = \frac{(222-2-2) \times 22-2 \times (22+2+2)}{(2+2) \times 2} = \frac{(333-3-3) \times 33-3 \times (33+3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4-4) \times 44-4 \times (44+4+4)}{(4+4) \times 4} = \frac{(555-5-5) \times 55-5 \times (55+5+5)}{(5+5) \times 5} = \frac{(666-6-6) \times 66-6 \times (66+6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7-7) \times 77-7 \times (77+7+7)}{(7+7) \times 7} = \frac{(888-8-8) \times 88-8 \times (88+8+8)}{(8+8) \times 8} = \frac{(999-9-9) \times 99-9 \times (99+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 5983 &:= \frac{(1111-11-11) \times 11-1 \times (11+1+1)}{(1+1) \times 1} = \frac{(2222-22-22) \times 22-2 \times (22+2+2)}{(2+2) \times 2} = \frac{(3333-33-33) \times 33-3 \times (33+3+3)}{(3+3) \times 3} \\ &:= \frac{(4444-44-44) \times 44-4 \times (44+4+4)}{(4+4) \times 4} = \frac{(5555-55-55) \times 55-5 \times (55+5+5)}{(5+5) \times 5} = \frac{(6666-66-66) \times 66-6 \times (66+6+6)}{(6+6) \times 6} \\ &:= \frac{(7777-77-77) \times 77-7 \times (77+7+7)}{(7+7) \times 7} = \frac{(8888-88-88) \times 88-8 \times (88+8+8)}{(8+8) \times 8} = \frac{(9999-99-99) \times 99-9 \times (99+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 59883 &:= \frac{(11111-111-111) \times 11-1 \times (11+1+1)}{(1+1) \times 1} = \frac{(22222-222-222) \times 22-2 \times (22+2+2)}{(2+2) \times 2} = \frac{(33333-333-333) \times 33-3 \times (33+3+3)}{(3+3) \times 3} \\ &:= \frac{(44444-444-444) \times 44-4 \times (44+4+4)}{(4+4) \times 4} = \frac{(55555-555-555) \times 55-5 \times (55+5+5)}{(5+5) \times 5} = \frac{(66666-666-666) \times 66-6 \times (66+6+6)}{(6+6) \times 6} \end{aligned}$$

$$:= \frac{(77777 - 777 - 777) \times 77 - 7 \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(88888 - 888 - 888) \times 88 - 8 \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(99999 - 999 - 999) \times 99 - 9 \times (99 + 9 + 9)}{(9 + 9) \times 9}$$

598883

$$:= \frac{(111111 - 1111 - 1111) \times 11 - 1 \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222222 - 2222 - 2222) \times 22 - 2 \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333333 - 3333 - 3333) \times 33 - 3 \times (33 + 3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(444444 - 4444 - 4444) \times 44 - 4 \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555555 - 5555 - 5555) \times 55 - 5 \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666666 - 6666 - 6666) \times 66 - 6 \times (66 + 6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(777777 - 7777 - 7777) \times 77 - 7 \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 8888 - 8888) \times 88 - 8 \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 9999 - 9999) \times 99 - 9 \times (99 + 9 + 9)}{(9 + 9) \times 9}$$

► 594

$$:= \frac{(111 - 1 - 1) \times 11 - 1 \times 11}{(1 + 1) \times 1} = \frac{(222 - 2 - 2) \times 22 - 2 \times 22}{(2 + 2) \times 2} = \frac{(333 - 3 - 3) \times 33 - 3 \times 33}{(3 + 3) \times 3}$$
$$:= \frac{(444 - 4 - 4) \times 44 - 4 \times 44}{(4 + 4) \times 4} = \frac{(555 - 5 - 5) \times 55 - 5 \times 55}{(5 + 5) \times 5} = \frac{(666 - 6 - 6) \times 66 - 6 \times 66}{(6 + 6) \times 6}$$
$$:= \frac{(777 - 7 - 7) \times 77 - 7 \times 77}{(7 + 7) \times 7} = \frac{(888 - 8 - 8) \times 88 - 8 \times 88}{(8 + 8) \times 8} = \frac{(999 - 9 - 9) \times 99 - 9 \times 99}{(9 + 9) \times 9}$$

5984

$$:= \frac{(1111 - 11 - 11) \times 11 - 1 \times 11}{(1 + 1) \times 1} = \frac{(2222 - 22 - 22) \times 22 - 2 \times 22}{(2 + 2) \times 2} = \frac{(3333 - 33 - 33) \times 33 - 3 \times 33}{(3 + 3) \times 3}$$
$$:= \frac{(4444 - 44 - 44) \times 44 - 4 \times 44}{(4 + 4) \times 4} = \frac{(5555 - 55 - 55) \times 55 - 5 \times 55}{(5 + 5) \times 5} = \frac{(6666 - 66 - 66) \times 66 - 6 \times 66}{(6 + 6) \times 6}$$
$$:= \frac{(7777 - 77 - 77) \times 77 - 7 \times 77}{(7 + 7) \times 7} = \frac{(8888 - 88 - 88) \times 88 - 8 \times 88}{(8 + 8) \times 8} = \frac{(9999 - 99 - 99) \times 99 - 9 \times 99}{(9 + 9) \times 9}$$

59884

$$:= \frac{(11111 - 111 - 111) \times 11 - 1 \times 11}{(1 + 1) \times 1} = \frac{(22222 - 222 - 222) \times 22 - 2 \times 22}{(2 + 2) \times 2} = \frac{(33333 - 333 - 333) \times 33 - 3 \times 33}{(3 + 3) \times 3}$$
$$:= \frac{(44444 - 444 - 444) \times 44 - 4 \times 44}{(4 + 4) \times 4} = \frac{(55555 - 555 - 555) \times 55 - 5 \times 55}{(5 + 5) \times 5} = \frac{(66666 - 666 - 666) \times 66 - 6 \times 66}{(6 + 6) \times 6}$$
$$:= \frac{(77777 - 777 - 777) \times 77 - 7 \times 77}{(7 + 7) \times 7} = \frac{(88888 - 888 - 888) \times 88 - 8 \times 88}{(8 + 8) \times 8} = \frac{(99999 - 999 - 999) \times 99 - 9 \times 99}{(9 + 9) \times 9}$$

598884

$$:= \frac{(111111 - 1111 - 1111) \times 11 - 1 \times 11}{(1 + 1) \times 1} = \frac{(222222 - 2222 - 2222) \times 22 - 2 \times 22}{(2 + 2) \times 2} = \frac{(333333 - 3333 - 3333) \times 33 - 3 \times 33}{(3 + 3) \times 3}$$
$$:= \frac{(444444 - 4444 - 4444) \times 44 - 4 \times 44}{(4 + 4) \times 4} = \frac{(555555 - 5555 - 5555) \times 55 - 5 \times 55}{(5 + 5) \times 5} = \frac{(666666 - 6666 - 6666) \times 66 - 6 \times 66}{(6 + 6) \times 6}$$
$$:= \frac{(777777 - 7777 - 7777) \times 77 - 7 \times 77}{(7 + 7) \times 7} = \frac{(888888 - 8888 - 8888) \times 88 - 8 \times 88}{(8 + 8) \times 8} = \frac{(999999 - 9999 - 9999) \times 99 - 9 \times 99}{(9 + 9) \times 9}$$

► 595

$$:= \frac{(111 - 1 - 1) \times 11 - 1 \times (11 - 1 - 1)}{(1 + 1) \times 1} = \frac{(222 - 2 - 2) \times 22 - 2 \times (22 - 2 - 2)}{(2 + 2) \times 2} = \frac{(333 - 3 - 3) \times 33 - 3 \times (33 - 3 - 3)}{(3 + 3) \times 3}$$
$$:= \frac{(444 - 4 - 4) \times 44 - 4 \times (44 - 4 - 4)}{(4 + 4) \times 4} = \frac{(555 - 5 - 5) \times 55 - 5 \times (55 - 5 - 5)}{(5 + 5) \times 5} = \frac{(666 - 6 - 6) \times 66 - 6 \times (66 - 6 - 6)}{(6 + 6) \times 6}$$
$$:= \frac{(777 - 7 - 7) \times 77 - 7 \times (77 - 7 - 7)}{(7 + 7) \times 7} = \frac{(888 - 8 - 8) \times 88 - 8 \times (88 - 8 - 8)}{(8 + 8) \times 8} = \frac{(999 - 9 - 9) \times 99 - 9 \times (99 - 9 - 9)}{(9 + 9) \times 9}$$

5985

$$\begin{aligned} &:= \frac{(1111-11-11) \times 11-1 \times (11-1-1)}{(1+1) \times 1} = \frac{(2222-22-22) \times 22-2 \times (22-2-2)}{(2+2) \times 2} = \frac{(3333-33-33) \times 33-3 \times (33-3-3)}{(3+3) \times 3} \\ &:= \frac{(4444-44-44) \times 44-4 \times (44-4-4)}{(4+4) \times 4} = \frac{(5555-55-55) \times 55-5 \times (55-5-5)}{(5+5) \times 5} = \frac{(6666-66-66) \times 66-6 \times (66-6-6)}{(6+6) \times 6} \\ &:= \frac{(7777-77-77) \times 77-7 \times (77-7-7)}{(7+7) \times 7} = \frac{(8888-88-88) \times 88-8 \times (88-8-8)}{(8+8) \times 8} = \frac{(9999-99-99) \times 99-9 \times (99-9-9)}{(9+9) \times 9} \end{aligned}$$

59885

$$\begin{aligned} &:= \frac{(11111-111-111) \times 11-1 \times (11-1-1)}{(1+1) \times 1} = \frac{(22222-222-222) \times 22-2 \times (22-2-2)}{(2+2) \times 2} = \frac{(33333-333-333) \times 33-3 \times (33-3-3)}{(3+3) \times 3} \\ &:= \frac{(44444-444-444) \times 44-4 \times (44-4-4)}{(4+4) \times 4} = \frac{(55555-555-555) \times 55-5 \times (55-5-5)}{(5+5) \times 5} = \frac{(66666-666-666) \times 66-6 \times (66-6-6)}{(6+6) \times 6} \\ &:= \frac{(77777-777-777) \times 77-7 \times (77-7-7)}{(7+7) \times 7} = \frac{(88888-888-888) \times 88-8 \times (88-8-8)}{(8+8) \times 8} = \frac{(99999-999-999) \times 99-9 \times (99-9-9)}{(9+9) \times 9} \end{aligned}$$

598885

$$\begin{aligned} &:= \frac{(111111-1111-1111) \times 11-1 \times (11-1-1)}{(1+1) \times 1} = \frac{(222222-2222-2222) \times 22-2 \times (22-2-2)}{(2+2) \times 2} = \frac{(333333-3333-3333) \times 33-3 \times (33-3-3)}{(3+3) \times 3} \\ &:= \frac{(444444-4444-4444) \times 44-4 \times (44-4-4)}{(4+4) \times 4} = \frac{(555555-5555-5555) \times 55-5 \times (55-5-5)}{(5+5) \times 5} = \frac{(666666-6666-6666) \times 66-6 \times (66-6-6)}{(6+6) \times 6} \\ &:= \frac{(777777-7777-7777) \times 77-7 \times (77-7-7)}{(7+7) \times 7} = \frac{(888888-8888-8888) \times 88-8 \times (88-8-8)}{(8+8) \times 8} = \frac{(999999-9999-9999) \times 99-9 \times (99-9-9)}{(9+9) \times 9} \end{aligned}$$

► 596

$$\begin{aligned} &:= \frac{1111 \times (11+1)-(11-1) \times (11+11)}{1 \times (11+11)} = \frac{2222 \times (22+2)-(22-2) \times (22+22)}{2 \times (22+22)} = \frac{3333 \times (33+3)-(33-3) \times (33+33)}{3 \times (33+33)} \\ &:= \frac{4444 \times (44+4)-(44-4) \times (44+44)}{4 \times (44+44)} = \frac{5555 \times (55+5)-(55-5) \times (55+55)}{5 \times (55+55)} = \frac{6666 \times (66+6)-(66-6) \times (66+66)}{6 \times (66+66)} \\ &:= \frac{7777 \times (77+7)-(77-7) \times (77+77)}{7 \times (77+77)} = \frac{8888 \times (88+8)-(88-8) \times (88+88)}{8 \times (88+88)} = \frac{9999 \times (99+9)-(99-9) \times (99+99)}{9 \times (99+99)} \end{aligned}$$

60596

$$\begin{aligned} &:= \frac{111111 \times (11+1)-(11-1) \times (11+11)}{1 \times (11+11)} = \frac{222222 \times (22+2)-(22-2) \times (22+22)}{2 \times (22+22)} = \frac{333333 \times (33+3)-(33-3) \times (33+33)}{3 \times (33+33)} \\ &:= \frac{444444 \times (44+4)-(44-4) \times (44+44)}{4 \times (44+44)} = \frac{555555 \times (55+5)-(55-5) \times (55+55)}{5 \times (55+55)} = \frac{666666 \times (66+6)-(66-6) \times (66+66)}{6 \times (66+66)} \\ &:= \frac{777777 \times (77+7)-(77-7) \times (77+77)}{7 \times (77+77)} = \frac{888888 \times (88+8)-(88-8) \times (88+88)}{8 \times (88+88)} = \frac{999999 \times (99+9)-(99-9) \times (99+99)}{9 \times (99+99)} \end{aligned}$$

6060596

$$\begin{aligned} &:= \frac{11111111 \times (11+1)-(11-1) \times (11+11)}{1 \times (11+11)} = \frac{22222222 \times (22+2)-(22-2) \times (22+22)}{2 \times (22+22)} = \frac{33333333 \times (33+3)-(33-3) \times (33+33)}{3 \times (33+33)} \\ &:= \frac{44444444 \times (44+4)-(44-4) \times (44+44)}{4 \times (44+44)} = \frac{55555555 \times (55+5)-(55-5) \times (55+55)}{5 \times (55+55)} = \frac{66666666 \times (66+6)-(66-6) \times (66+66)}{6 \times (66+66)} \\ &:= \frac{77777777 \times (77+7)-(77-7) \times (77+77)}{7 \times (77+77)} = \frac{88888888 \times (88+8)-(88-8) \times (88+88)}{8 \times (88+88)} = \frac{99999999 \times (99+9)-(99-9) \times (99+99)}{9 \times (99+99)} \end{aligned}$$

606060596

$$:= \frac{1111111111 \times (11+1)-(11-1) \times (11+11)}{1 \times (11+11)} = \frac{2222222222 \times (22+2)-(22-2) \times (22+22)}{2 \times (22+22)} = \frac{3333333333 \times (33+3)-(33-3) \times (33+33)}{3 \times (33+33)}$$

$$\begin{aligned} &:= \frac{4444444444 \times (44 + 4) - (44 - 4) \times (44 + 44)}{4 \times (44 + 44)} = \frac{5555555555 \times (55 + 5) - (55 - 5) \times (55 + 55)}{5 \times (55 + 55)} = \frac{6666666666 \times (66 + 6) - (66 - 6) \times (66 + 66)}{6 \times (66 + 66)} \\ &:= \frac{7777777777 \times (77 + 7) - (77 - 7) \times (77 + 77)}{7 \times (77 + 77)} = \frac{8888888888 \times (88 + 8) - (88 - 8) \times (88 + 88)}{8 \times (88 + 88)} = \frac{9999999999 \times (99 + 9) - (99 - 9) \times (99 + 99)}{9 \times (99 + 99)} \end{aligned}$$

► **597** := $\frac{(111 - 11) \times (11 + 1) - (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 22) \times (22 + 2) - (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 33) \times (33 + 3) - (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 - 44) \times (44 + 4) - (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 55) \times (55 + 5) - (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 66) \times (66 + 6) - (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 - 77) \times (77 + 7) - (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 88) \times (88 + 8) - (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 99) \times (99 + 9) - (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6597 := $\frac{(1111 - 11) \times (11 + 1) - (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(2222 - 22) \times (22 + 2) - (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(3333 - 33) \times (33 + 3) - (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(4444 - 44) \times (44 + 4) - (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(5555 - 55) \times (55 + 5) - (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(6666 - 66) \times (66 + 6) - (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 - 77) \times (77 + 7) - (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(8888 - 88) \times (88 + 8) - (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(9999 - 99) \times (99 + 9) - (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66597 := $\frac{(11111 - 11) \times (11 + 1) - (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(22222 - 22) \times (22 + 2) - (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(33333 - 33) \times (33 + 3) - (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(44444 - 44) \times (44 + 4) - (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(55555 - 55) \times (55 + 5) - (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(66666 - 66) \times (66 + 6) - (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 - 77) \times (77 + 7) - (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(88888 - 88) \times (88 + 8) - (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(99999 - 99) \times (99 + 9) - (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666597 := $\frac{(111111 - 11) \times (11 + 1) - (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222222 - 22) \times (22 + 2) - (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333333 - 33) \times (33 + 3) - (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444444 - 44) \times (44 + 4) - (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555555 - 55) \times (55 + 5) - (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666666 - 66) \times (66 + 6) - (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 - 77) \times (77 + 7) - (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 88) \times (88 + 8) - (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 99) \times (99 + 9) - (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► **598** := $\frac{(111 - 11) \times (11 + 1) - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 22) \times (22 + 2) - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 33) \times (33 + 3) - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 - 44) \times (44 + 4) - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 55) \times (55 + 5) - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 66) \times (66 + 6) - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 - 77) \times (77 + 7) - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 88) \times (88 + 8) - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 99) \times (99 + 9) - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6598 := $\frac{(1111 - 11) \times (11 + 1) - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 - 22) \times (22 + 2) - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 - 33) \times (33 + 3) - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(4444 - 44) \times (44 + 4) - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 - 55) \times (55 + 5) - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 - 66) \times (66 + 6) - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \end{aligned}$$

$$:= \frac{(7777-77) \times (77+7) - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(8888-88) \times (88+8) - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(9999-99) \times (99+9) - (9+9) \times (9+9)}{(9+9) \times 9}$$

66598 := $\frac{(11111-11) \times (11+1) - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(22222-22) \times (22+2) - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(33333-33) \times (33+3) - (3+3) \times (3+3)}{(3+3) \times 3}$

$$:= \frac{(44444-44) \times (44+4) - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(55555-55) \times (55+5) - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(66666-66) \times (66+6) - (6+6) \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(77777-77) \times (77+7) - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(88888-88) \times (88+8) - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(99999-99) \times (99+9) - (9+9) \times (9+9)}{(9+9) \times 9}$$

666598 := $\frac{(111111-11) \times (11+1) - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222222-22) \times (22+2) - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333333-33) \times (33+3) - (3+3) \times (3+3)}{(3+3) \times 3}$

$$:= \frac{(444444-44) \times (44+4) - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555555-55) \times (55+5) - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666666-66) \times (66+6) - (6+6) \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(777777-77) \times (77+7) - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888888-88) \times (88+8) - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999999-99) \times (99+9) - (9+9) \times (9+9)}{(9+9) \times 9}$$

► **599** := $\frac{(111-1-1) \times 11-1 \times 1}{(1+1) \times 1} = \frac{(222-2-2) \times 22-2 \times 2}{(2+2) \times 2} = \frac{(333-3-3) \times 33-3 \times 3}{(3+3) \times 3}$

$$:= \frac{(444-4-4) \times 44-4 \times 4}{(4+4) \times 4} = \frac{(555-5-5) \times 55-5 \times 5}{(5+5) \times 5} = \frac{(666-6-6) \times 66-6 \times 6}{(6+6) \times 6}$$
$$:= \frac{(777-7-7) \times 77-7 \times 7}{(7+7) \times 7} = \frac{(888-8-8) \times 88-8 \times 8}{(8+8) \times 8} = \frac{(999-9-9) \times 99-9 \times 9}{(9+9) \times 9}$$

5989 := $\frac{(1111-11-11) \times 11-1 \times 1}{(1+1) \times 1} = \frac{(2222-22-22) \times 22-2 \times 2}{(2+2) \times 2} = \frac{(3333-33-33) \times 33-3 \times 3}{(3+3) \times 3}$

$$:= \frac{(4444-44-44) \times 44-4 \times 4}{(4+4) \times 4} = \frac{(5555-55-55) \times 55-5 \times 5}{(5+5) \times 5} = \frac{(6666-66-66) \times 66-6 \times 6}{(6+6) \times 6}$$
$$:= \frac{(7777-77-77) \times 77-7 \times 7}{(7+7) \times 7} = \frac{(8888-88-88) \times 88-8 \times 8}{(8+8) \times 8} = \frac{(9999-99-99) \times 99-9 \times 9}{(9+9) \times 9}$$

59889 := $\frac{(11111-111-111) \times 11-1 \times 1}{(1+1) \times 1} = \frac{(22222-222-222) \times 22-2 \times 2}{(2+2) \times 2} = \frac{(33333-333-333) \times 33-3 \times 3}{(3+3) \times 3}$

$$:= \frac{(44444-444-444) \times 44-4 \times 4}{(4+4) \times 4} = \frac{(55555-555-555) \times 55-5 \times 5}{(5+5) \times 5} = \frac{(66666-666-666) \times 66-6 \times 6}{(6+6) \times 6}$$
$$:= \frac{(77777-777-777) \times 77-7 \times 7}{(7+7) \times 7} = \frac{(88888-888-888) \times 88-8 \times 8}{(8+8) \times 8} = \frac{(99999-999-999) \times 99-9 \times 9}{(9+9) \times 9}$$

598889 := $\frac{(111111-1111-1111) \times 11-1 \times 1}{(1+1) \times 1} = \frac{(222222-2222-2222) \times 22-2 \times 2}{(2+2) \times 2} = \frac{(333333-3333-3333) \times 33-3 \times 3}{(3+3) \times 3}$

$$:= \frac{(444444-4444-4444) \times 44-4 \times 4}{(4+4) \times 4} = \frac{(555555-5555-5555) \times 55-5 \times 5}{(5+5) \times 5} = \frac{(666666-6666-6666) \times 66-6 \times 6}{(6+6) \times 6}$$
$$:= \frac{(777777-7777-7777) \times 77-7 \times 7}{(7+7) \times 7} = \frac{(888888-8888-8888) \times 88-8 \times 8}{(8+8) \times 8} = \frac{(999999-9999-9999) \times 99-9 \times 9}{(9+9) \times 9}$$

►

600

$$:= \frac{1111+111+1+1}{1+1} - \frac{11+1}{1} = \frac{2222+222+2+2}{2+2} - \frac{22+2}{2} = \frac{3333+333+3+3}{3+3} - \frac{33+3}{3}$$

$$:= \frac{4444+444+4+4}{4+4} - \frac{44+4}{4} = \frac{5555+555+5+5}{5+5} - \frac{55+5}{5} = \frac{6666+666+6+6}{6+6} - \frac{66+6}{6}$$

$$:= \frac{7777+777+7+7}{7+7} - \frac{77+7}{7} = \frac{8888+888+8+8}{8+8} - \frac{88+8}{8} = \frac{9999+999+9+9}{9+9} - \frac{99+9}{9}$$

6100

$$:= \frac{11111+1111+1+1}{1+1} - \frac{11+1}{1} = \frac{22222+2222+2+2}{2+2} - \frac{22+2}{2} = \frac{33333+3333+3+3}{3+3} - \frac{33+3}{3}$$

$$:= \frac{44444+4444+4+4}{4+4} - \frac{44+4}{4} = \frac{55555+5555+5+5}{5+5} - \frac{55+5}{5} = \frac{66666+6666+6+6}{6+6} - \frac{66+6}{6}$$

$$:= \frac{77777+7777+7+7}{7+7} - \frac{77+7}{7} = \frac{88888+8888+8+8}{8+8} - \frac{88+8}{8} = \frac{99999+9999+9+9}{9+9} - \frac{99+9}{9}$$

61100

$$:= \frac{111111+11111+1+1}{1+1} - \frac{11+1}{1} = \frac{222222+22222+2+2}{2+2} - \frac{22+2}{2} = \frac{333333+33333+3+3}{3+3} - \frac{33+3}{3}$$

$$:= \frac{444444+44444+4+4}{4+4} - \frac{44+4}{4} = \frac{555555+55555+5+5}{5+5} - \frac{55+5}{5} = \frac{666666+66666+6+6}{6+6} - \frac{66+6}{6}$$

$$:= \frac{777777+77777+7+7}{7+7} - \frac{77+7}{7} = \frac{888888+88888+8+8}{8+8} - \frac{88+8}{8} = \frac{999999+99999+9+9}{9+9} - \frac{99+9}{9}$$

611100

$$:= \frac{1111111+111111+1+1}{1+1} - \frac{11+1}{1} = \frac{2222222+222222+2+2}{2+2} - \frac{22+2}{2} = \frac{3333333+333333+3+3}{3+3} - \frac{33+3}{3}$$

$$:= \frac{4444444+444444+4+4}{4+4} - \frac{44+4}{4} = \frac{5555555+555555+5+5}{5+5} - \frac{55+5}{5} = \frac{6666666+666666+6+6}{6+6} - \frac{66+6}{6}$$

$$:= \frac{7777777+777777+7+7}{7+7} - \frac{77+7}{7} = \frac{8888888+888888+8+8}{8+8} - \frac{88+8}{8} = \frac{9999999+999999+9+9}{9+9} - \frac{99+9}{9}$$

►

601

$$:= \frac{1111+111+1+1}{1+1} - \frac{11}{1} = \frac{2222+222+2+2}{2+2} - \frac{22}{2} = \frac{3333+333+3+3}{3+3} - \frac{33}{3}$$

$$:= \frac{4444+444+4+4}{4+4} - \frac{44}{4} = \frac{5555+555+5+5}{5+5} - \frac{55}{5} = \frac{6666+666+6+6}{6+6} - \frac{66}{6}$$

$$:= \frac{7777+777+7+7}{7+7} - \frac{77}{7} = \frac{8888+888+8+8}{8+8} - \frac{88}{8} = \frac{9999+999+9+9}{9+9} - \frac{99}{9}$$

6101

$$:= \frac{11111+1111+1+1}{1+1} - \frac{11}{1} = \frac{22222+2222+2+2}{2+2} - \frac{22}{2} = \frac{33333+3333+3+3}{3+3} - \frac{33}{3}$$

$$:= \frac{44444+4444+4+4}{4+4} - \frac{44}{4} = \frac{55555+5555+5+5}{5+5} - \frac{55}{5} = \frac{66666+6666+6+6}{6+6} - \frac{66}{6}$$

$$:= \frac{77777+7777+7+7}{7+7} - \frac{77}{7} = \frac{88888+8888+8+8}{8+8} - \frac{88}{8} = \frac{99999+9999+9+9}{9+9} - \frac{99}{9}$$

61101

$$:= \frac{111111+11111+1+1}{1+1} - \frac{11}{1} = \frac{222222+22222+2+2}{2+2} - \frac{22}{2} = \frac{333333+33333+3+3}{3+3} - \frac{33}{3}$$

$$:= \frac{444444+44444+4+4}{4+4} - \frac{44}{4} = \frac{555555+55555+5+5}{5+5} - \frac{55}{5} = \frac{666666+66666+6+6}{6+6} - \frac{66}{6}$$

$$:= \frac{777777+77777+7+7}{7+7} - \frac{77}{7} = \frac{888888+88888+8+8}{8+8} - \frac{88}{8} = \frac{999999+99999+9+9}{9+9} - \frac{99}{9}$$

611101

$$\begin{aligned} &:= \frac{1111111+111111+1+1}{1+1} - \frac{11}{1} = \frac{2222222+222222+2+2}{2+2} - \frac{22}{2} = \frac{3333333+333333+3+3}{3+3} - \frac{33}{3} \\ &:= \frac{4444444+444444+4+4}{4+4} - \frac{44}{4} = \frac{5555555+555555+5+5}{5+5} - \frac{55}{5} = \frac{6666666+666666+6+6}{6+6} - \frac{66}{6} \\ &:= \frac{7777777+777777+7+7}{7+7} - \frac{77}{7} = \frac{8888888+888888+8+8}{8+8} - \frac{88}{8} = \frac{9999999+999999+9+9}{9+9} - \frac{99}{9} \end{aligned}$$

► 602

$$\begin{aligned} &:= \frac{1111+111+1+1}{1+1} - \frac{11-1}{1} = \frac{2222+222+2+2}{2+2} - \frac{22-2}{2} = \frac{3333+333+3+3}{3+3} - \frac{33-3}{3} \\ &:= \frac{4444+444+4+4}{4+4} - \frac{44-4}{4} = \frac{5555+555+5+5}{5+5} - \frac{55-5}{5} = \frac{6666+666+6+6}{6+6} - \frac{66-6}{6} \\ &:= \frac{7777+777+7+7}{7+7} - \frac{77-7}{7} = \frac{8888+888+8+8}{8+8} - \frac{88-8}{8} = \frac{9999+999+9+9}{9+9} - \frac{99-9}{9} \end{aligned}$$

6102

$$\begin{aligned} &:= \frac{11111+1111+1+1}{1+1} - \frac{11-1}{1} = \frac{22222+2222+2+2}{2+2} - \frac{22-2}{2} = \frac{33333+3333+3+3}{3+3} - \frac{33-3}{3} \\ &:= \frac{44444+4444+4+4}{4+4} - \frac{44-4}{4} = \frac{55555+5555+5+5}{5+5} - \frac{55-5}{5} = \frac{66666+6666+6+6}{6+6} - \frac{66-6}{6} \\ &:= \frac{77777+7777+7+7}{7+7} - \frac{77-7}{7} = \frac{88888+8888+8+8}{8+8} - \frac{88-8}{8} = \frac{99999+9999+9+9}{9+9} - \frac{99-9}{9} \end{aligned}$$

61102

$$\begin{aligned} &:= \frac{111111+11111+1+1}{1+1} - \frac{11-1}{1} = \frac{222222+22222+2+2}{2+2} - \frac{22-2}{2} = \frac{333333+33333+3+3}{3+3} - \frac{33-3}{3} \\ &:= \frac{444444+44444+4+4}{4+4} - \frac{44-4}{4} = \frac{555555+55555+5+5}{5+5} - \frac{55-5}{5} = \frac{666666+66666+6+6}{6+6} - \frac{66-6}{6} \\ &:= \frac{777777+77777+7+7}{7+7} - \frac{77-7}{7} = \frac{888888+88888+8+8}{8+8} - \frac{88-8}{8} = \frac{999999+99999+9+9}{9+9} - \frac{99-9}{9} \end{aligned}$$

611102

$$\begin{aligned} &:= \frac{1111111+111111+1+1}{1+1} - \frac{11-1}{1} = \frac{2222222+222222+2+2}{2+2} - \frac{22-2}{2} = \frac{3333333+333333+3+3}{3+3} - \frac{33-3}{3} \\ &:= \frac{4444444+444444+4+4}{4+4} - \frac{44-4}{4} = \frac{5555555+555555+5+5}{5+5} - \frac{55-5}{5} = \frac{6666666+666666+6+6}{6+6} - \frac{66-6}{6} \\ &:= \frac{7777777+777777+7+7}{7+7} - \frac{77-7}{7} = \frac{8888888+888888+8+8}{8+8} - \frac{88-8}{8} = \frac{9999999+999999+9+9}{9+9} - \frac{99-9}{9} \end{aligned}$$

► 603

$$\begin{aligned} &:= \frac{(111-1) \times 11 - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

6103

$$:= \frac{(1111-1) \times 11 - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(2222-2) \times 22 - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(3333-3) \times 33 - (3+3) \times (3+3)}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(4444-4) \times 44 - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(5555-5) \times 55 - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(6666-6) \times 66 - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(7777-7) \times 77 - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(8888-8) \times 88 - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(9999-9) \times 99 - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{61103} &:= \frac{(11111-1) \times 11 - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(22222-2) \times 22 - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(33333-3) \times 33 - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(44444-4) \times 44 - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(55555-5) \times 55 - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(66666-6) \times 66 - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(77777-7) \times 77 - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(88888-8) \times 88 - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(99999-9) \times 99 - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{611103} &:= \frac{(111111-1) \times 11 - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222222-2) \times 22 - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333333-3) \times 33 - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444444-4) \times 44 - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555555-5) \times 55 - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666666-6) \times 66 - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777777-7) \times 77 - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888888-8) \times 88 - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999999-9) \times 99 - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

►

$$\begin{aligned} \textbf{604} &:= \frac{(111-1) \times 11 - (1+1) \times 1}{(1+1) \times 1} = \frac{(222-2) \times 22 - (2+2) \times 2}{(2+2) \times 2} = \frac{(333-3) \times 33 - (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 - (4+4) \times 4}{(4+4) \times 4} = \frac{(555-5) \times 55 - (5+5) \times 5}{(5+5) \times 5} = \frac{(666-6) \times 66 - (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 - (7+7) \times 7}{(7+7) \times 7} = \frac{(888-8) \times 88 - (8+8) \times 8}{(8+8) \times 8} = \frac{(999-9) \times 99 - (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{6104} &:= \frac{(1111-1) \times 11 - (1+1) \times 1}{(1+1) \times 1} = \frac{(2222-2) \times 22 - (2+2) \times 2}{(2+2) \times 2} = \frac{(3333-3) \times 33 - (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(4444-4) \times 44 - (4+4) \times 4}{(4+4) \times 4} = \frac{(5555-5) \times 55 - (5+5) \times 5}{(5+5) \times 5} = \frac{(6666-6) \times 66 - (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(7777-7) \times 77 - (7+7) \times 7}{(7+7) \times 7} = \frac{(8888-8) \times 88 - (8+8) \times 8}{(8+8) \times 8} = \frac{(9999-9) \times 99 - (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{61104} &:= \frac{(11111-1) \times 11 - (1+1) \times 1}{(1+1) \times 1} = \frac{(22222-2) \times 22 - (2+2) \times 2}{(2+2) \times 2} = \frac{(33333-3) \times 33 - (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(44444-4) \times 44 - (4+4) \times 4}{(4+4) \times 4} = \frac{(55555-5) \times 55 - (5+5) \times 5}{(5+5) \times 5} = \frac{(66666-6) \times 66 - (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(77777-7) \times 77 - (7+7) \times 7}{(7+7) \times 7} = \frac{(88888-8) \times 88 - (8+8) \times 8}{(8+8) \times 8} = \frac{(99999-9) \times 99 - (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{611104} &:= \frac{(111111-1) \times 11 - (1+1) \times 1}{(1+1) \times 1} = \frac{(222222-2) \times 22 - (2+2) \times 2}{(2+2) \times 2} = \frac{(333333-3) \times 33 - (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(444444-4) \times 44 - (4+4) \times 4}{(4+4) \times 4} = \frac{(555555-5) \times 55 - (5+5) \times 5}{(5+5) \times 5} = \frac{(666666-6) \times 66 - (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(777777-7) \times 77 - (7+7) \times 7}{(7+7) \times 7} = \frac{(888888-8) \times 88 - (8+8) \times 8}{(8+8) \times 8} = \frac{(999999-9) \times 99 - (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 605 &:= \frac{(111-1) \times 11}{(1+1) \times 1} = \frac{(222-2) \times 22}{(2+2) \times 2} = \frac{(333-3) \times 33}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44}{(4+4) \times 4} = \frac{(555-5) \times 55}{(5+5) \times 5} = \frac{(666-6) \times 66}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77}{(7+7) \times 7} = \frac{(888-8) \times 88}{(8+8) \times 8} = \frac{(999-9) \times 99}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 6105 &:= \frac{(111-1) \times 111}{(1+1) \times 1} = \frac{(222-2) \times 222}{(2+2) \times 2} = \frac{(333-3) \times 333}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 444}{(4+4) \times 4} = \frac{(555-5) \times 555}{(5+5) \times 5} = \frac{(666-6) \times 666}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 777}{(7+7) \times 7} = \frac{(888-8) \times 888}{(8+8) \times 8} = \frac{(999-9) \times 999}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 61105 &:= \frac{(111-1) \times 1111}{(1+1) \times 1} = \frac{(222-2) \times 2222}{(2+2) \times 2} = \frac{(333-3) \times 3333}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 4444}{(4+4) \times 4} = \frac{(555-5) \times 5555}{(5+5) \times 5} = \frac{(666-6) \times 6666}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 7777}{(7+7) \times 7} = \frac{(888-8) \times 8888}{(8+8) \times 8} = \frac{(999-9) \times 9999}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 611105 &:= \frac{(111-1) \times 11111}{(1+1) \times 1} = \frac{(222-2) \times 22222}{(2+2) \times 2} = \frac{(333-3) \times 33333}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44444}{(4+4) \times 4} = \frac{(555-5) \times 55555}{(5+5) \times 5} = \frac{(666-6) \times 66666}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77777}{(7+7) \times 7} = \frac{(888-8) \times 88888}{(8+8) \times 8} = \frac{(999-9) \times 99999}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 606 &:= \frac{(111-1) \times 11 + (1+1) \times 1}{(1+1) \times 1} = \frac{(222-2) \times 22 + (2+2) \times 2}{(2+2) \times 2} = \frac{(333-3) \times 33 + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (4+4) \times 4}{(4+4) \times 4} = \frac{(555-5) \times 55 + (5+5) \times 5}{(5+5) \times 5} = \frac{(666-6) \times 66 + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (7+7) \times 7}{(7+7) \times 7} = \frac{(888-8) \times 88 + (8+8) \times 8}{(8+8) \times 8} = \frac{(999-9) \times 99 + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 6106 &:= \frac{(1111-1) \times 11 + (1+1) \times 1}{(1+1) \times 1} = \frac{(2222-2) \times 22 + (2+2) \times 2}{(2+2) \times 2} = \frac{(3333-3) \times 33 + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(4444-4) \times 44 + (4+4) \times 4}{(4+4) \times 4} = \frac{(5555-5) \times 55 + (5+5) \times 5}{(5+5) \times 5} = \frac{(6666-6) \times 66 + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(7777-7) \times 77 + (7+7) \times 7}{(7+7) \times 7} = \frac{(8888-8) \times 88 + (8+8) \times 8}{(8+8) \times 8} = \frac{(9999-9) \times 99 + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$61106 := \frac{(11111-1) \times 11 + (1+1) \times 1}{(1+1) \times 1} = \frac{(22222-2) \times 22 + (2+2) \times 2}{(2+2) \times 2} = \frac{(33333-3) \times 33 + (3+3) \times 3}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(44444-4) \times 44 + (4+4) \times 4}{(4+4) \times 4} = \frac{(55555-5) \times 55 + (5+5) \times 5}{(5+5) \times 5} = \frac{(66666-6) \times 66 + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(77777-7) \times 77 + (7+7) \times 7}{(7+7) \times 7} = \frac{(88888-8) \times 88 + (8+8) \times 8}{(8+8) \times 8} = \frac{(99999-9) \times 99 + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

611106 := $\frac{(111111-1) \times 11 + (1+1) \times 1}{(1+1) \times 1} = \frac{(222222-2) \times 22 + (2+2) \times 2}{(2+2) \times 2} = \frac{(333333-3) \times 33 + (3+3) \times 3}{(3+3) \times 3}$

$$\begin{aligned} &:= \frac{(444444-4) \times 44 + (4+4) \times 4}{(4+4) \times 4} = \frac{(555555-5) \times 55 + (5+5) \times 5}{(5+5) \times 5} = \frac{(666666-6) \times 66 + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(777777-7) \times 77 + (7+7) \times 7}{(7+7) \times 7} = \frac{(888888-8) \times 88 + (8+8) \times 8}{(8+8) \times 8} = \frac{(999999-9) \times 99 + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

► **607** := $\frac{(111-1) \times 11 + (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (3+3) \times (3+3)}{(3+3) \times 3}$

$$\begin{aligned} &:= \frac{(444-4) \times 44 + (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

6107 := $\frac{(111-1) \times 111 + (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 222 + (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 333 + (3+3) \times (3+3)}{(3+3) \times 3}$

$$\begin{aligned} &:= \frac{(444-4) \times 444 + (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 555 + (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 666 + (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 777 + (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 888 + (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 999 + (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

61107 := $\frac{(111-1) \times 1111 + (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 2222 + (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 3333 + (3+3) \times (3+3)}{(3+3) \times 3}$

$$\begin{aligned} &:= \frac{(444-4) \times 4444 + (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 5555 + (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 6666 + (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 7777 + (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 8888 + (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 9999 + (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

611107 := $\frac{(111-1) \times 11111 + (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22222 + (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33333 + (3+3) \times (3+3)}{(3+3) \times 3}$

$$\begin{aligned} &:= \frac{(444-4) \times 44444 + (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55555 + (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66666 + (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77777 + (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88888 + (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99999 + (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

► **608** := $\frac{1111+111-1-1-1-1-1-1}{1+1} = \frac{2222+222-2-2-2-2-2-2}{2+2} = \frac{3333+333-3-3-3-3-3-3}{3+3}$

$$\begin{aligned} &:= \frac{4444+444-4-4-4-4-4-4}{4+4} = \frac{5555+555-5-5-5-5-5-5}{5+5} = \frac{6666+666-6-6-6-6-6-6}{6+6} \end{aligned}$$

$$:= \frac{7777 + 777 - 7 - 7 - 7 - 7 - 7 - 7}{7 + 7} = \frac{8888 + 888 - 8 - 8 - 8 - 8 - 8 - 8}{8 + 8} = \frac{9999 + 999 - 9 - 9 - 9 - 9 - 9 - 9}{9 + 9}$$

6108 := $\frac{11111 + 1111 - 1 - 1 - 1 - 1 - 1 - 1}{1 + 1} = \frac{22222 + 2222 - 2 - 2 - 2 - 2 - 2 - 2}{2 + 2} = \frac{33333 + 3333 - 3 - 3 - 3 - 3 - 3 - 3}{3 + 3}$

:= $\frac{44444 + 4444 - 4 - 4 - 4 - 4 - 4 - 4}{4 + 4} = \frac{55555 + 5555 - 5 - 5 - 5 - 5 - 5 - 5}{5 + 5} = \frac{66666 + 6666 - 6 - 6 - 6 - 6 - 6 - 6}{6 + 6}$

:= $\frac{77777 + 7777 - 7 - 7 - 7 - 7 - 7 - 7}{7 + 7} = \frac{88888 + 8888 - 8 - 8 - 8 - 8 - 8 - 8}{8 + 8} = \frac{99999 + 9999 - 9 - 9 - 9 - 9 - 9 - 9}{9 + 9}$

61108 := $\frac{111111 + 11111 - 1 - 1 - 1 - 1 - 1 - 1}{1 + 1} = \frac{222222 + 22222 - 2 - 2 - 2 - 2 - 2 - 2}{2 + 2} = \frac{333333 + 33333 - 3 - 3 - 3 - 3 - 3 - 3}{3 + 3}$

:= $\frac{444444 + 44444 - 4 - 4 - 4 - 4 - 4 - 4}{4 + 4} = \frac{555555 + 55555 - 5 - 5 - 5 - 5 - 5 - 5}{5 + 5} = \frac{666666 + 66666 - 6 - 6 - 6 - 6 - 6 - 6}{6 + 6}$

:= $\frac{777777 + 77777 - 7 - 7 - 7 - 7 - 7 - 7}{7 + 7} = \frac{888888 + 88888 - 8 - 8 - 8 - 8 - 8 - 8}{8 + 8} = \frac{999999 + 99999 - 9 - 9 - 9 - 9 - 9 - 9}{9 + 9}$

611108 := $\frac{1111111 + 111111 - 1 - 1 - 1 - 1 - 1 - 1}{1 + 1} = \frac{2222222 + 222222 - 2 - 2 - 2 - 2 - 2 - 2}{2 + 2} = \frac{3333333 + 333333 - 3 - 3 - 3 - 3 - 3 - 3}{3 + 3}$

:= $\frac{4444444 + 444444 - 4 - 4 - 4 - 4 - 4 - 4}{4 + 4} = \frac{5555555 + 555555 - 5 - 5 - 5 - 5 - 5 - 5}{5 + 5} = \frac{6666666 + 666666 - 6 - 6 - 6 - 6 - 6 - 6}{6 + 6}$

:= $\frac{7777777 + 777777 - 7 - 7 - 7 - 7 - 7 - 7}{7 + 7} = \frac{8888888 + 888888 - 8 - 8 - 8 - 8 - 8 - 8}{8 + 8} = \frac{9999999 + 999999 - 9 - 9 - 9 - 9 - 9 - 9}{9 + 9}$

► **609** := $\frac{1111 + 111 - 1 - 1 - 1 - 1}{1 + 1} = \frac{2222 + 222 - 2 - 2 - 2 - 2}{2 + 2} = \frac{3333 + 333 - 3 - 3 - 3 - 3}{3 + 3}$

:= $\frac{4444 + 444 - 4 - 4 - 4 - 4}{4 + 4} = \frac{5555 + 555 - 5 - 5 - 5 - 5}{5 + 5} = \frac{6666 + 666 - 6 - 6 - 6 - 6}{6 + 6}$

:= $\frac{7777 + 777 - 7 - 7 - 7 - 7}{7 + 7} = \frac{8888 + 888 - 8 - 8 - 8 - 8}{8 + 8} = \frac{9999 + 999 - 9 - 9 - 9 - 9}{9 + 9}$

6109 := $\frac{11111 + 1111 - 1 - 1 - 1 - 1}{1 + 1} = \frac{22222 + 2222 - 2 - 2 - 2 - 2}{2 + 2} = \frac{33333 + 3333 - 3 - 3 - 3 - 3}{3 + 3}$

:= $\frac{44444 + 4444 - 4 - 4 - 4 - 4}{4 + 4} = \frac{55555 + 5555 - 5 - 5 - 5 - 5}{5 + 5} = \frac{66666 + 6666 - 6 - 6 - 6 - 6}{6 + 6}$

:= $\frac{77777 + 7777 - 7 - 7 - 7 - 7}{7 + 7} = \frac{88888 + 8888 - 8 - 8 - 8 - 8}{8 + 8} = \frac{99999 + 9999 - 9 - 9 - 9 - 9}{9 + 9}$

61109 := $\frac{111111 + 11111 - 1 - 1 - 1 - 1}{1 + 1} = \frac{222222 + 22222 - 2 - 2 - 2 - 2}{2 + 2} = \frac{333333 + 33333 - 3 - 3 - 3 - 3}{3 + 3}$

:= $\frac{444444 + 44444 - 4 - 4 - 4 - 4}{4 + 4} = \frac{555555 + 55555 - 5 - 5 - 5 - 5}{5 + 5} = \frac{666666 + 66666 - 6 - 6 - 6 - 6}{6 + 6}$

:= $\frac{777777 + 77777 - 7 - 7 - 7 - 7}{7 + 7} = \frac{888888 + 88888 - 8 - 8 - 8 - 8}{8 + 8} = \frac{999999 + 99999 - 9 - 9 - 9 - 9}{9 + 9}$

611109 := $\frac{1111111 + 111111 - 1 - 1 - 1 - 1}{1 + 1} = \frac{2222222 + 222222 - 2 - 2 - 2 - 2}{2 + 2} = \frac{3333333 + 333333 - 3 - 3 - 3 - 3}{3 + 3}$

$$\begin{aligned} &:= \frac{4444444 + 444444 - 4 - 4 - 4 - 4}{4 + 4} = \frac{5555555 + 555555 - 5 - 5 - 5 - 5}{5 + 5} = \frac{6666666 + 666666 - 6 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{7777777 + 777777 - 7 - 7 - 7 - 7}{7 + 7} = \frac{8888888 + 888888 - 8 - 8 - 8 - 8}{8 + 8} = \frac{9999999 + 999999 - 9 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

► **610** := $\frac{1111 + 111 - 1 - 1}{1 + 1} = \frac{2222 + 222 - 2 - 2}{2 + 2} = \frac{3333 + 333 - 3 - 3}{3 + 3}$

$$\begin{aligned} &:= \frac{4444 + 444 - 4 - 4}{4 + 4} = \frac{5555 + 555 - 5 - 5}{5 + 5} = \frac{6666 + 666 - 6 - 6}{6 + 6} \\ &:= \frac{7777 + 777 - 7 - 7}{7 + 7} = \frac{8888 + 888 - 8 - 8}{8 + 8} = \frac{9999 + 999 - 9 - 9}{9 + 9} \end{aligned}$$

6110 := $\frac{11111 + 1111 - 1 - 1}{1 + 1} = \frac{22222 + 2222 - 2 - 2}{2 + 2} = \frac{33333 + 3333 - 3 - 3}{3 + 3}$

$$\begin{aligned} &:= \frac{44444 + 4444 - 4 - 4}{4 + 4} = \frac{55555 + 5555 - 5 - 5}{5 + 5} = \frac{66666 + 6666 - 6 - 6}{6 + 6} \\ &:= \frac{77777 + 7777 - 7 - 7}{7 + 7} = \frac{88888 + 8888 - 8 - 8}{8 + 8} = \frac{99999 + 9999 - 9 - 9}{9 + 9} \end{aligned}$$

61110 := $\frac{111111 + 11111 - 1 - 1}{1 + 1} = \frac{222222 + 22222 - 2 - 2}{2 + 2} = \frac{333333 + 33333 - 3 - 3}{3 + 3}$

$$\begin{aligned} &:= \frac{444444 + 44444 - 4 - 4}{4 + 4} = \frac{555555 + 55555 - 5 - 5}{5 + 5} = \frac{666666 + 66666 - 6 - 6}{6 + 6} \\ &:= \frac{777777 + 77777 - 7 - 7}{7 + 7} = \frac{888888 + 88888 - 8 - 8}{8 + 8} = \frac{999999 + 99999 - 9 - 9}{9 + 9} \end{aligned}$$

611110 := $\frac{1111111 + 111111 - 1 - 1}{1 + 1} = \frac{2222222 + 222222 - 2 - 2}{2 + 2} = \frac{3333333 + 333333 - 3 - 3}{3 + 3}$

$$\begin{aligned} &:= \frac{4444444 + 444444 - 4 - 4}{4 + 4} = \frac{5555555 + 555555 - 5 - 5}{5 + 5} = \frac{6666666 + 666666 - 6 - 6}{6 + 6} \\ &:= \frac{7777777 + 777777 - 7 - 7}{7 + 7} = \frac{8888888 + 888888 - 8 - 8}{8 + 8} = \frac{9999999 + 999999 - 9 - 9}{9 + 9} \end{aligned}$$

► **611** := $\frac{1111 + 111}{1 + 1} = \frac{2222 + 222}{2 + 2} = \frac{3333 + 333}{3 + 3}$

$$\begin{aligned} &:= \frac{4444 + 444}{4 + 4} = \frac{5555 + 555}{5 + 5} = \frac{6666 + 666}{6 + 6} \\ &:= \frac{7777 + 777}{7 + 7} = \frac{8888 + 888}{8 + 8} = \frac{9999 + 999}{9 + 9} \end{aligned}$$

6111 := $\frac{11111 + 1111}{1 + 1} = \frac{22222 + 2222}{2 + 2} = \frac{33333 + 3333}{3 + 3}$

$$\begin{aligned} &:= \frac{44444 + 4444}{4 + 4} = \frac{55555 + 5555}{5 + 5} = \frac{66666 + 6666}{6 + 6} \\ &:= \frac{77777 + 7777}{7 + 7} = \frac{88888 + 8888}{8 + 8} = \frac{99999 + 9999}{9 + 9} \end{aligned}$$

61111

$$\begin{aligned}
 &:= \frac{111111+11111}{1+1} = \frac{222222+22222}{2+2} = \frac{333333+33333}{3+3} \\
 &:= \frac{444444+44444}{4+4} = \frac{555555+55555}{5+5} = \frac{666666+66666}{6+6} \\
 &:= \frac{777777+77777}{7+7} = \frac{888888+88888}{8+8} = \frac{999999+99999}{9+9}
 \end{aligned}$$

611111

$$\begin{aligned}
 &:= \frac{1111111+111111}{1+1} = \frac{2222222+222222}{2+2} = \frac{3333333+333333}{3+3} \\
 &:= \frac{4444444+444444}{4+4} = \frac{5555555+555555}{5+5} = \frac{6666666+666666}{6+6} \\
 &:= \frac{7777777+777777}{7+7} = \frac{8888888+888888}{8+8} = \frac{9999999+999999}{9+9}
 \end{aligned}$$

► 612

$$\begin{aligned}
 &:= \frac{1111+111+1+1}{1+1} = \frac{2222+222+2+2}{2+2} = \frac{3333+333+3+3}{3+3} \\
 &:= \frac{4444+444+4+4}{4+4} = \frac{5555+555+5+5}{5+5} = \frac{6666+666+6+6}{6+6} \\
 &:= \frac{7777+777+7+7}{7+7} = \frac{8888+888+8+8}{8+8} = \frac{9999+999+9+9}{9+9}
 \end{aligned}$$

6112

$$\begin{aligned}
 &:= \frac{11111+1111+1+1}{1+1} = \frac{22222+2222+2+2}{2+2} = \frac{33333+3333+3+3}{3+3} \\
 &:= \frac{44444+4444+4+4}{4+4} = \frac{55555+5555+5+5}{5+5} = \frac{66666+6666+6+6}{6+6} \\
 &:= \frac{77777+7777+7+7}{7+7} = \frac{88888+8888+8+8}{8+8} = \frac{99999+9999+9+9}{9+9}
 \end{aligned}$$

61112

$$\begin{aligned}
 &:= \frac{111111+11111+1+1}{1+1} = \frac{222222+22222+2+2}{2+2} = \frac{333333+33333+3+3}{3+3} \\
 &:= \frac{444444+44444+4+4}{4+4} = \frac{555555+55555+5+5}{5+5} = \frac{666666+66666+6+6}{6+6} \\
 &:= \frac{777777+77777+7+7}{7+7} = \frac{888888+88888+8+8}{8+8} = \frac{999999+99999+9+9}{9+9}
 \end{aligned}$$

611112

$$\begin{aligned}
 &:= \frac{1111111+111111+1+1}{1+1} = \frac{2222222+222222+2+2}{2+2} = \frac{3333333+333333+3+3}{3+3} \\
 &:= \frac{4444444+444444+4+4}{4+4} = \frac{5555555+555555+5+5}{5+5} = \frac{6666666+666666+6+6}{6+6} \\
 &:= \frac{7777777+777777+7+7}{7+7} = \frac{8888888+888888+8+8}{8+8} = \frac{9999999+999999+9+9}{9+9}
 \end{aligned}$$

► 613

$$\begin{aligned}
 &:= \frac{1111+111+1+1+1+1}{1+1} = \frac{2222+222+2+2+2+2}{2+2} = \frac{3333+333+3+3+3+3}{3+3} \\
 &:= \frac{4444+444+4+4+4+4}{4+4} = \frac{5555+555+5+5+5+5}{5+5} = \frac{6666+666+6+6+6+6}{6+6}
 \end{aligned}$$

$$:= \frac{7777 + 777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888 + 888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999 + 999 + 9 + 9 + 9 + 9}{9 + 9}$$

$$\begin{aligned} \textcolor{red}{6113} &:= \frac{11111 + 1111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{22222 + 2222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{33333 + 3333 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{44444 + 4444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{55555 + 5555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{66666 + 6666 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{77777 + 7777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{88888 + 8888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{99999 + 9999 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{61113} &:= \frac{111111 + 11111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{222222 + 22222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{333333 + 33333 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{444444 + 44444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{555555 + 55555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{666666 + 66666 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{777777 + 77777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{888888 + 88888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{999999 + 99999 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{611113} &:= \frac{1111111 + 111111 + 1 + 1 + 1 + 1}{1 + 1} = \frac{2222222 + 222222 + 2 + 2 + 2 + 2}{2 + 2} = \frac{3333333 + 333333 + 3 + 3 + 3 + 3}{3 + 3} \\ &:= \frac{4444444 + 444444 + 4 + 4 + 4 + 4}{4 + 4} = \frac{5555555 + 555555 + 5 + 5 + 5 + 5}{5 + 5} = \frac{6666666 + 666666 + 6 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 + 777777 + 7 + 7 + 7 + 7}{7 + 7} = \frac{8888888 + 888888 + 8 + 8 + 8 + 8}{8 + 8} = \frac{9999999 + 999999 + 9 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{614} &:= \frac{(111 + 1) \times 11 - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 22 - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 33 - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 4) \times 44 - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 55 - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 66 - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 77 - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 88 - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 99 - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6114} &:= \frac{(1111 + 1) \times 11 - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 2) \times 22 - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 3) \times 33 - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 4) \times 44 - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 5) \times 55 - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 6) \times 66 - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 7) \times 77 - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 8) \times 88 - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 9) \times 99 - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{61114} &:= \frac{(11111 + 1) \times 11 - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 2) \times 22 - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 3) \times 33 - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 4) \times 44 - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 5) \times 55 - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 6) \times 66 - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 7) \times 77 - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 8) \times 88 - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 9) \times 99 - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\textcolor{red}{611114} := \frac{(111111 + 1) \times 11 - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 2) \times 22 - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 3) \times 33 - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(444444 + 4) \times 44 - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 5) \times 55 - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 6) \times 66 - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 7) \times 77 - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 8) \times 88 - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 9) \times 99 - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

►

615

$$\begin{aligned} &:= \frac{1111 + 11 + 111 - 1 - 1 - 1}{1 + 1} = \frac{2222 + 22 + 222 - 2 - 2 - 2}{2 + 2} = \frac{3333 + 33 + 333 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{4444 + 44 + 444 - 4 - 4 - 4}{4 + 4} = \frac{5555 + 55 + 555 - 5 - 5 - 5}{5 + 5} = \frac{6666 + 66 + 666 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{7777 + 77 + 777 - 7 - 7 - 7}{7 + 7} = \frac{8888 + 88 + 888 - 8 - 8 - 8}{8 + 8} = \frac{9999 + 99 + 999 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

5615

$$\begin{aligned} &:= \frac{11111 + 11 + 111 - 1 - 1 - 1}{1 + 1} = \frac{22222 + 22 + 222 - 2 - 2 - 2}{2 + 2} = \frac{33333 + 33 + 333 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{44444 + 44 + 444 - 4 - 4 - 4}{4 + 4} = \frac{55555 + 55 + 555 - 5 - 5 - 5}{5 + 5} = \frac{66666 + 66 + 666 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{77777 + 77 + 777 - 7 - 7 - 7}{7 + 7} = \frac{88888 + 88 + 888 - 8 - 8 - 8}{8 + 8} = \frac{99999 + 99 + 999 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

55615

$$\begin{aligned} &:= \frac{111111 + 11 + 111 - 1 - 1 - 1}{1 + 1} = \frac{222222 + 22 + 222 - 2 - 2 - 2}{2 + 2} = \frac{333333 + 33 + 333 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{444444 + 44 + 444 - 4 - 4 - 4}{4 + 4} = \frac{555555 + 55 + 555 - 5 - 5 - 5}{5 + 5} = \frac{666666 + 66 + 666 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{777777 + 77 + 777 - 7 - 7 - 7}{7 + 7} = \frac{888888 + 88 + 888 - 8 - 8 - 8}{8 + 8} = \frac{999999 + 99 + 999 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

555615

$$\begin{aligned} &:= \frac{1111111 + 11 + 111 - 1 - 1 - 1}{1 + 1} = \frac{2222222 + 22 + 222 - 2 - 2 - 2}{2 + 2} = \frac{3333333 + 33 + 333 - 3 - 3 - 3}{3 + 3} \\ &:= \frac{4444444 + 44 + 444 - 4 - 4 - 4}{4 + 4} = \frac{5555555 + 55 + 555 - 5 - 5 - 5}{5 + 5} = \frac{6666666 + 66 + 666 - 6 - 6 - 6}{6 + 6} \\ &:= \frac{7777777 + 77 + 777 - 7 - 7 - 7}{7 + 7} = \frac{8888888 + 88 + 888 - 8 - 8 - 8}{8 + 8} = \frac{9999999 + 99 + 999 - 9 - 9 - 9}{9 + 9} \end{aligned}$$

►

616

$$\begin{aligned} &:= \frac{111 + 1) \times 11}{(1 + 1) \times 1} = \frac{222 + 2) \times 22}{(2 + 2) \times 2} = \frac{333 + 3) \times 33}{(3 + 3) \times 3} \\ &:= \frac{444 + 4) \times 44}{(4 + 4) \times 4} = \frac{555 + 5) \times 55}{(5 + 5) \times 5} = \frac{666 + 6) \times 66}{(6 + 6) \times 6} \\ &:= \frac{777 + 7) \times 77}{(7 + 7) \times 7} = \frac{888 + 8) \times 88}{(8 + 8) \times 8} = \frac{999 + 9) \times 99}{(9 + 9) \times 9} \end{aligned}$$

6216

$$\begin{aligned} &:= \frac{111 + 1) \times 111}{(1 + 1) \times 1} = \frac{222 + 2) \times 222}{(2 + 2) \times 2} = \frac{333 + 3) \times 333}{(3 + 3) \times 3} \\ &:= \frac{444 + 4) \times 444}{(4 + 4) \times 4} = \frac{555 + 5) \times 555}{(5 + 5) \times 5} = \frac{666 + 6) \times 666}{(6 + 6) \times 6} \\ &:= \frac{777 + 7) \times 777}{(7 + 7) \times 7} = \frac{888 + 8) \times 888}{(8 + 8) \times 8} = \frac{999 + 9) \times 999}{(9 + 9) \times 9} \end{aligned}$$

62216

$$\begin{aligned}
&:= \frac{111+1) \times 1111}{(1+1) \times 1} = \frac{222+2) \times 2222}{(2+2) \times 2} = \frac{333+3) \times 3333}{(3+3) \times 3} \\
&:= \frac{444+4) \times 4444}{(4+4) \times 4} = \frac{555+5) \times 5555}{(5+5) \times 5} = \frac{666+6) \times 6666}{(6+6) \times 6} \\
&:= \frac{777+7) \times 7777}{(7+7) \times 7} = \frac{888+8) \times 8888}{(8+8) \times 8} = \frac{999+9) \times 9999}{(9+9) \times 9}
\end{aligned}$$

622216

$$\begin{aligned}
&:= \frac{111+1) \times 11111}{(1+1) \times 1} = \frac{222+2) \times 22222}{(2+2) \times 2} = \frac{333+3) \times 33333}{(3+3) \times 3} \\
&:= \frac{444+4) \times 44444}{(4+4) \times 4} = \frac{555+5) \times 55555}{(5+5) \times 5} = \frac{666+6) \times 66666}{(6+6) \times 6} \\
&:= \frac{777+7) \times 77777}{(7+7) \times 7} = \frac{888+8) \times 88888}{(8+8) \times 8} = \frac{999+9) \times 99999}{(9+9) \times 9}
\end{aligned}$$

617

$$\begin{aligned}
&:= \frac{1111+11+111+1}{1+1} = \frac{2222+22+222+2}{2+2} = \frac{3333+33+333+3}{3+3} \\
&:= \frac{4444+44+444+4}{4+4} = \frac{5555+55+555+5}{5+5} = \frac{6666+66+666+6}{6+6} \\
&:= \frac{7777+77+777+7}{7+7} = \frac{8888+88+888+8}{8+8} = \frac{9999+99+999+9}{9+9}
\end{aligned}$$

5617

$$\begin{aligned}
&:= \frac{11111+11+111+1}{1+1} = \frac{22222+22+222+2}{2+2} = \frac{33333+33+333+3}{3+3} \\
&:= \frac{44444+44+444+4}{4+4} = \frac{55555+55+555+5}{5+5} = \frac{66666+66+666+6}{6+6} \\
&:= \frac{77777+77+777+7}{7+7} = \frac{88888+88+888+8}{8+8} = \frac{99999+99+999+9}{9+9}
\end{aligned}$$

55617

$$\begin{aligned}
&:= \frac{111111+11+111+1}{1+1} = \frac{222222+22+222+2}{2+2} = \frac{333333+33+333+3}{3+3} \\
&:= \frac{444444+44+444+4}{4+4} = \frac{555555+55+555+5}{5+5} = \frac{666666+66+666+6}{6+6} \\
&:= \frac{777777+77+777+7}{7+7} = \frac{888888+88+888+8}{8+8} = \frac{999999+99+999+9}{9+9}
\end{aligned}$$

555617

$$\begin{aligned}
&:= \frac{1111111+11+111+1}{1+1} = \frac{2222222+22+222+2}{2+2} = \frac{3333333+33+333+3}{3+3} \\
&:= \frac{4444444+44+444+4}{4+4} = \frac{5555555+55+555+5}{5+5} = \frac{6666666+66+666+6}{6+6} \\
&:= \frac{7777777+77+777+7}{7+7} = \frac{8888888+88+888+8}{8+8} = \frac{9999999+99+999+9}{9+9}
\end{aligned}$$

618

$$\begin{aligned}
&:= \frac{1111+11+111+1+1+1}{1+1} = \frac{2222+22+222+2+2+2}{2+2} = \frac{3333+33+333+3+3+3}{3+3}
\end{aligned}$$

$$\begin{aligned} &:= \frac{4444 + 44 + 444 + 4 + 4 + 4}{4 + 4} = \frac{5555 + 55 + 555 + 5 + 5 + 5}{5 + 5} = \frac{6666 + 66 + 666 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777 + 77 + 777 + 7 + 7 + 7}{7 + 7} = \frac{8888 + 88 + 888 + 8 + 8 + 8}{8 + 8} = \frac{9999 + 99 + 999 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

5618 := $\frac{11111 + 11 + 111 + 1 + 1 + 1}{1 + 1} = \frac{22222 + 22 + 222 + 2 + 2 + 2}{2 + 2} = \frac{33333 + 33 + 333 + 3 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{44444 + 44 + 444 + 4 + 4 + 4}{4 + 4} = \frac{55555 + 55 + 555 + 5 + 5 + 5}{5 + 5} = \frac{66666 + 66 + 666 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{77777 + 77 + 777 + 7 + 7 + 7}{7 + 7} = \frac{88888 + 88 + 888 + 8 + 8 + 8}{8 + 8} = \frac{99999 + 99 + 999 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

55618 := $\frac{111111 + 11 + 111 + 1 + 1 + 1}{1 + 1} = \frac{222222 + 22 + 222 + 2 + 2 + 2}{2 + 2} = \frac{333333 + 33 + 333 + 3 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{444444 + 44 + 444 + 4 + 4 + 4}{4 + 4} = \frac{555555 + 55 + 555 + 5 + 5 + 5}{5 + 5} = \frac{666666 + 66 + 666 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{777777 + 77 + 777 + 7 + 7 + 7}{7 + 7} = \frac{888888 + 88 + 888 + 8 + 8 + 8}{8 + 8} = \frac{999999 + 99 + 999 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

555618 := $\frac{1111111 + 11 + 111 + 1 + 1 + 1}{1 + 1} = \frac{2222222 + 22 + 222 + 2 + 2 + 2}{2 + 2} = \frac{3333333 + 33 + 333 + 3 + 3 + 3}{3 + 3}$

$$\begin{aligned} &:= \frac{4444444 + 44 + 444 + 4 + 4 + 4}{4 + 4} = \frac{5555555 + 55 + 555 + 5 + 5 + 5}{5 + 5} = \frac{6666666 + 66 + 666 + 6 + 6 + 6}{6 + 6} \\ &:= \frac{7777777 + 77 + 777 + 7 + 7 + 7}{7 + 7} = \frac{8888888 + 88 + 888 + 8 + 8 + 8}{8 + 8} = \frac{9999999 + 99 + 999 + 9 + 9 + 9}{9 + 9} \end{aligned}$$

► **619** := $\frac{(111 + 1) \times 11 + (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 22 + (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 33 + (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 + 4) \times 44 + (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 55 + (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 66 + (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 77 + (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 88 + (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 99 + (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6219 := $\frac{(111 + 1) \times 111 + (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 222 + (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 333 + (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 + 4) \times 444 + (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 555 + (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 666 + (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 777 + (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 888 + (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 999 + (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

62219 := $\frac{(111 + 1) \times 1111 + (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 2222 + (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 3333 + (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 + 4) \times 4444 + (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 5555 + (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 6666 + (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 7777 + (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 8888 + (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 9999 + (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

622219
:=
(111+1) × 11111 + (1+1) × (1+1+1)
(1+1) × 1
=
(222+2) × 22222 + (2+2) × (2+2+2)
(2+2) × 2
=
(333+3) × 33333 + (3+3) × (3+3+3)
(3+3) × 3
:=
(444+4) × 44444 + (4+4) × (4+4+4)
(4+4) × 4
=
(555+5) × 55555 + (5+5) × (5+5+5)
(5+5) × 5
=
(666+6) × 66666 + (6+6) × (6+6+6)
(6+6) × 6
:=
(777+7) × 77777 + (7+7) × (7+7+7)
(7+7) × 7
=
(888+8) × 88888 + (8+8) × (8+8+8)
(8+8) × 8
=
(999+9) × 99999 + (9+9) × (9+9+9)
(9+9) × 9

▶
620
:=
1111+11+111+11−1−1−1−1
1+1
=
2222+22+222+22−2−2−2−2
2+2
=
3333+33+333+33−3−3−3−3
3+3
:=
4444+44+444+44−4−4−4−4
4+4
=
5555+55+555+55−5−5−5−5
5+5
=
6666+66+666+66−6−6−6−6
6+6
:=
7777+77+777+77−7−7−7−7
7+7
=
8888+88+888+88−8−8−8−8
8+8
=
9999+99+999+99−9−9−9−9
9+9

5620
:=
11111+11+111+11−1−1−1−1
1+1
=
22222+22+222+22−2−2−2−2
2+2
=
33333+33+333+33−3−3−3−3
3+3
:=
44444+44+444+44−4−4−4−4
4+4
=
55555+55+555+55−5−5−5−5
5+5
=
66666+66+666+66−6−6−6−6
6+6
:=
77777+77+777+77−7−7−7−7
7+7
=
88888+88+888+88−8−8−8−8
8+8
=
99999+99+999+99−9−9−9−9
9+9

55620
:=
111111+11+111+11−1−1−1−1
1+1
=
222222+22+222+22−2−2−2−2
2+2
=
333333+33+333+33−3−3−3−3
3+3
:=
444444+44+444+44−4−4−4−4
4+4
=
555555+55+555+55−5−5−5−5
5+5
=
666666+66+666+66−6−6−6−6
6+6
:=
777777+77+777+77−7−7−7−7
7+7
=
888888+88+888+88−8−8−8−8
8+8
=
999999+99+999+99−9−9−9−9
9+9

555620
:=
1111111+11+111+11−1−1−1−1
1+1
=
2222222+22+222+22−2−2−2−2
2+2
=
3333333+33+333+33−3−3−3−3
3+3
:=
4444444+44+444+44−4−4−4−4
4+4
=
5555555+55+555+55−5−5−5−5
5+5
=
6666666+66+666+66−6−6−6−6
6+6
:=
7777777+77+777+77−7−7−7−7
7+7
=
8888888+88+888+88−8−8−8−8
8+8
=
9999999+99+999+99−9−9−9−9
9+9

▶
621
:=
1111+11+111+11−1−1
1+1
=
2222+22+222+22−2−2
2+2
=
3333+33+333+33−3−3
3+3
:=
4444+44+444+44−4−4
4+4
=
5555+55+555+55−5−5
5+5
=
6666+66+666+66−6−6
6+6
:=
7777+77+777+77−7−7
7+7
=
8888+88+888+88−8−8
8+8
=
9999+99+999+99−9−9
9+9

5621
:=
11111+11+111+11−1−1
1+1
=
22222+22+222+22−2−2
2+2
=
33333+33+333+33−3−3
3+3
:=
44444+44+444+44−4−4
4+4
=
55555+55+555+55−5−5
5+5
=
66666+66+666+66−6−6
6+6

$$:= \frac{77777 + 77 + 777 + 77 - 7 - 7}{7 + 7} = \frac{88888 + 88 + 888 + 88 - 8 - 8}{8 + 8} = \frac{99999 + 99 + 999 + 99 - 9 - 9}{9 + 9}$$

55621 := $\frac{111111 + 11 + 111 + 11 - 1 - 1}{1 + 1} = \frac{222222 + 22 + 222 + 22 - 2 - 2}{2 + 2} = \frac{333333 + 33 + 333 + 33 - 3 - 3}{3 + 3}$

$$:= \frac{444444 + 44 + 444 + 44 - 4 - 4}{4 + 4} = \frac{555555 + 55 + 555 + 55 - 5 - 5}{5 + 5} = \frac{666666 + 66 + 666 + 66 - 6 - 6}{6 + 6}$$
$$:= \frac{777777 + 77 + 777 + 77 - 7 - 7}{7 + 7} = \frac{888888 + 88 + 888 + 88 - 8 - 8}{8 + 8} = \frac{999999 + 99 + 999 + 99 - 9 - 9}{9 + 9}$$

555621 := $\frac{1111111 + 11 + 111 + 11 - 1 - 1}{1 + 1} = \frac{2222222 + 22 + 222 + 22 - 2 - 2}{2 + 2} = \frac{3333333 + 33 + 333 + 33 - 3 - 3}{3 + 3}$

$$:= \frac{4444444 + 44 + 444 + 44 - 4 - 4}{4 + 4} = \frac{5555555 + 55 + 555 + 55 - 5 - 5}{5 + 5} = \frac{6666666 + 66 + 666 + 66 - 6 - 6}{6 + 6}$$
$$:= \frac{7777777 + 77 + 777 + 77 - 7 - 7}{7 + 7} = \frac{8888888 + 88 + 888 + 88 - 8 - 8}{8 + 8} = \frac{9999999 + 99 + 999 + 99 - 9 - 9}{9 + 9}$$

► **622** := $\frac{1111 + 111 + 1 + 1}{1 + 1} + \frac{11 - 1}{1} = \frac{2222 + 222 + 2 + 2}{2 + 2} + \frac{22 - 2}{2} = \frac{3333 + 333 + 3 + 3}{3 + 3} + \frac{33 - 3}{3}$

$$:= \frac{4444 + 444 + 4 + 4}{4 + 4} + \frac{44 - 4}{4} = \frac{5555 + 555 + 5 + 5}{5 + 5} + \frac{55 - 5}{5} = \frac{6666 + 666 + 6 + 6}{6 + 6} + \frac{66 - 6}{6}$$
$$:= \frac{7777 + 777 + 7 + 7}{7 + 7} + \frac{77 - 7}{7} = \frac{8888 + 888 + 8 + 8}{8 + 8} + \frac{88 - 8}{8} = \frac{9999 + 999 + 9 + 9}{9 + 9} + \frac{99 - 9}{9}$$

6122 := $\frac{11111 + 1111 + 1 + 1}{1 + 1} + \frac{11 - 1}{1} = \frac{22222 + 2222 + 2 + 2}{2 + 2} + \frac{22 - 2}{2} = \frac{33333 + 3333 + 3 + 3}{3 + 3} + \frac{33 - 3}{3}$

$$:= \frac{44444 + 4444 + 4 + 4}{4 + 4} + \frac{44 - 4}{4} = \frac{55555 + 5555 + 5 + 5}{5 + 5} + \frac{55 - 5}{5} = \frac{66666 + 6666 + 6 + 6}{6 + 6} + \frac{66 - 6}{6}$$
$$:= \frac{77777 + 7777 + 7 + 7}{7 + 7} + \frac{77 - 7}{7} = \frac{88888 + 8888 + 8 + 8}{8 + 8} + \frac{88 - 8}{8} = \frac{99999 + 9999 + 9 + 9}{9 + 9} + \frac{99 - 9}{9}$$

61122 := $\frac{111111 + 11111 + 1 + 1}{1 + 1} + \frac{11 - 1}{1} = \frac{222222 + 22222 + 2 + 2}{2 + 2} + \frac{22 - 2}{2} = \frac{333333 + 33333 + 3 + 3}{3 + 3} + \frac{33 - 3}{3}$

$$:= \frac{444444 + 44444 + 4 + 4}{4 + 4} + \frac{44 - 4}{4} = \frac{555555 + 55555 + 5 + 5}{5 + 5} + \frac{55 - 5}{5} = \frac{666666 + 66666 + 6 + 6}{6 + 6} + \frac{66 - 6}{6}$$
$$:= \frac{777777 + 77777 + 7 + 7}{7 + 7} + \frac{77 - 7}{7} = \frac{888888 + 88888 + 8 + 8}{8 + 8} + \frac{88 - 8}{8} = \frac{999999 + 99999 + 9 + 9}{9 + 9} + \frac{99 - 9}{9}$$

611122 := $\frac{1111111 + 111111 + 1 + 1}{1 + 1} + \frac{11 - 1}{1} = \frac{2222222 + 222222 + 2 + 2}{2 + 2} + \frac{22 - 2}{2} = \frac{3333333 + 333333 + 3 + 3}{3 + 3} + \frac{33 - 3}{3}$

$$:= \frac{4444444 + 444444 + 4 + 4}{4 + 4} + \frac{44 - 4}{4} = \frac{5555555 + 555555 + 5 + 5}{5 + 5} + \frac{55 - 5}{5} = \frac{6666666 + 666666 + 6 + 6}{6 + 6} + \frac{66 - 6}{6}$$
$$:= \frac{7777777 + 777777 + 7 + 7}{7 + 7} + \frac{77 - 7}{7} = \frac{8888888 + 888888 + 8 + 8}{8 + 8} + \frac{88 - 8}{8} = \frac{9999999 + 999999 + 9 + 9}{9 + 9} + \frac{99 - 9}{9}$$

► **623** := $\frac{1111 + 111 + 1 + 1}{1 + 1} + \frac{11}{1} = \frac{2222 + 222 + 2 + 2}{2 + 2} + \frac{22}{2} = \frac{3333 + 333 + 3 + 3}{3 + 3} + \frac{33}{3}$

$$\begin{aligned} &:= \frac{4444 + 444 + 4 + 4}{4 + 4} + \frac{44}{4} = \frac{5555 + 555 + 5 + 5}{5 + 5} + \frac{55}{5} = \frac{6666 + 666 + 6 + 6}{6 + 6} + \frac{66}{6} \\ &:= \frac{7777 + 777 + 7 + 7}{7 + 7} + \frac{77}{7} = \frac{8888 + 888 + 8 + 8}{8 + 8} + \frac{88}{8} = \frac{9999 + 999 + 9 + 9}{9 + 9} + \frac{99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6123} &:= \frac{11111 + 1111 + 1 + 1}{1 + 1} + \frac{11}{1} = \frac{22222 + 2222 + 2 + 2}{2 + 2} + \frac{22}{2} = \frac{33333 + 3333 + 3 + 3}{3 + 3} + \frac{33}{3} \\ &:= \frac{44444 + 4444 + 4 + 4}{4 + 4} + \frac{44}{4} = \frac{55555 + 5555 + 5 + 5}{5 + 5} + \frac{55}{5} = \frac{66666 + 6666 + 6 + 6}{6 + 6} + \frac{66}{6} \\ &:= \frac{77777 + 7777 + 7 + 7}{7 + 7} + \frac{77}{7} = \frac{88888 + 8888 + 8 + 8}{8 + 8} + \frac{88}{8} = \frac{99999 + 9999 + 9 + 9}{9 + 9} + \frac{99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{61123} &:= \frac{111111 + 11111 + 1 + 1}{1 + 1} + \frac{11}{1} = \frac{222222 + 22222 + 2 + 2}{2 + 2} + \frac{22}{2} = \frac{333333 + 33333 + 3 + 3}{3 + 3} + \frac{33}{3} \\ &:= \frac{444444 + 44444 + 4 + 4}{4 + 4} + \frac{44}{4} = \frac{555555 + 55555 + 5 + 5}{5 + 5} + \frac{55}{5} = \frac{666666 + 66666 + 6 + 6}{6 + 6} + \frac{66}{6} \\ &:= \frac{777777 + 77777 + 7 + 7}{7 + 7} + \frac{77}{7} = \frac{888888 + 88888 + 8 + 8}{8 + 8} + \frac{88}{8} = \frac{999999 + 99999 + 9 + 9}{9 + 9} + \frac{99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6111223} &:= \frac{1111111 + 111111 + 1 + 1}{1 + 1} + \frac{11}{1} = \frac{2222222 + 222222 + 2 + 2}{2 + 2} + \frac{22}{2} = \frac{3333333 + 333333 + 3 + 3}{3 + 3} + \frac{33}{3} \\ &:= \frac{4444444 + 444444 + 4 + 4}{4 + 4} + \frac{44}{4} = \frac{5555555 + 555555 + 5 + 5}{5 + 5} + \frac{55}{5} = \frac{6666666 + 666666 + 6 + 6}{6 + 6} + \frac{66}{6} \\ &:= \frac{7777777 + 777777 + 7 + 7}{7 + 7} + \frac{77}{7} = \frac{8888888 + 888888 + 8 + 8}{8 + 8} + \frac{88}{8} = \frac{9999999 + 999999 + 9 + 9}{9 + 9} + \frac{99}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{624} &:= \frac{1111 + 111 + 1 + 1}{1 + 1} + \frac{11 + 1}{1} = \frac{2222 + 222 + 2 + 2}{2 + 2} + \frac{22 + 2}{2} = \frac{3333 + 333 + 3 + 3}{3 + 3} + \frac{33 + 3}{3} \\ &:= \frac{4444 + 444 + 4 + 4}{4 + 4} + \frac{44 + 4}{4} = \frac{5555 + 555 + 5 + 5}{5 + 5} + \frac{55 + 5}{5} = \frac{6666 + 666 + 6 + 6}{6 + 6} + \frac{66 + 6}{6} \\ &:= \frac{7777 + 777 + 7 + 7}{7 + 7} + \frac{77 + 7}{7} = \frac{8888 + 888 + 8 + 8}{8 + 8} + \frac{88 + 8}{8} = \frac{9999 + 999 + 9 + 9}{9 + 9} + \frac{99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6124} &:= \frac{11111 + 1111 + 1 + 1}{1 + 1} + \frac{11 + 1}{1} = \frac{22222 + 2222 + 2 + 2}{2 + 2} + \frac{22 + 2}{2} = \frac{33333 + 3333 + 3 + 3}{3 + 3} + \frac{33 + 3}{3} \\ &:= \frac{44444 + 4444 + 4 + 4}{4 + 4} + \frac{44 + 4}{4} = \frac{55555 + 5555 + 5 + 5}{5 + 5} + \frac{55 + 5}{5} = \frac{66666 + 6666 + 6 + 6}{6 + 6} + \frac{66 + 6}{6} \\ &:= \frac{77777 + 7777 + 7 + 7}{7 + 7} + \frac{77 + 7}{7} = \frac{88888 + 8888 + 8 + 8}{8 + 8} + \frac{88 + 8}{8} = \frac{99999 + 9999 + 9 + 9}{9 + 9} + \frac{99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{61124} &:= \frac{111111 + 11111 + 1 + 1}{1 + 1} + \frac{11 + 1}{1} = \frac{222222 + 22222 + 2 + 2}{2 + 2} + \frac{22 + 2}{2} = \frac{333333 + 33333 + 3 + 3}{3 + 3} + \frac{33 + 3}{3} \\ &:= \frac{444444 + 44444 + 4 + 4}{4 + 4} + \frac{44 + 4}{4} = \frac{555555 + 55555 + 5 + 5}{5 + 5} + \frac{55 + 5}{5} = \frac{666666 + 66666 + 6 + 6}{6 + 6} + \frac{66 + 6}{6} \\ &:= \frac{777777 + 77777 + 7 + 7}{7 + 7} + \frac{77 + 7}{7} = \frac{888888 + 88888 + 8 + 8}{8 + 8} + \frac{88 + 8}{8} = \frac{999999 + 99999 + 9 + 9}{9 + 9} + \frac{99 + 9}{9} \end{aligned}$$

611124

$$\begin{aligned} &:= \frac{1111111 + 111111 + 1 + 1}{1 + 1} + \frac{11 + 1}{1} = \frac{2222222 + 222222 + 2 + 2}{2 + 2} + \frac{22 + 2}{2} = \frac{3333333 + 333333 + 3 + 3}{3 + 3} + \frac{33 + 3}{3} \\ &:= \frac{4444444 + 444444 + 4 + 4}{4 + 4} + \frac{44 + 4}{4} = \frac{5555555 + 555555 + 5 + 5}{5 + 5} + \frac{55 + 5}{5} = \frac{6666666 + 666666 + 6 + 6}{6 + 6} + \frac{66 + 6}{6} \\ &:= \frac{7777777 + 777777 + 7 + 7}{7 + 7} + \frac{77 + 7}{7} = \frac{8888888 + 888888 + 8 + 8}{8 + 8} + \frac{88 + 8}{8} = \frac{9999999 + 999999 + 9 + 9}{9 + 9} + \frac{99 + 9}{9} \end{aligned}$$

► 625

$$\begin{aligned} &:= \frac{(111 + 1) \times 11 + (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 22 + (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 33 + (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 4) \times 44 + (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 55 + (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 66 + (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 77 + (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 88 + (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 99 + (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6225

$$\begin{aligned} &:= \frac{(111 + 1) \times 111 + (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 222 + (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 333 + (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 4) \times 444 + (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 555 + (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 666 + (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 777 + (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 888 + (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 999 + (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

62225

$$\begin{aligned} &:= \frac{(111 + 1) \times 1111 + (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 2222 + (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 3333 + (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 4) \times 4444 + (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 5555 + (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 6666 + (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 7777 + (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 8888 + (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 9999 + (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

622225

$$\begin{aligned} &:= \frac{(111 + 1) \times 11111 + (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 22222 + (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 33333 + (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 4) \times 44444 + (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 55555 + (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 66666 + (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 77777 + (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 88888 + (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 99999 + (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 626

$$\begin{aligned} &:= \frac{(111 + 1) \times 11 + (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 22 + (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 33 + (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 4) \times 44 + (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 55 + (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 66 + (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 77 + (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 88 + (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 99 + (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6226

$$:= \frac{(111 + 1) \times 111 + (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 222 + (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 333 + (33 - 3) \times (3 + 3)}{(3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(444+4) \times 444 + (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times 555 + (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times 666 + (66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 777 + (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times 888 + (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times 999 + (99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{62226} &:= \frac{(111+1) \times 1111 + (11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times 2222 + (22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times 3333 + (33-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times 4444 + (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times 5555 + (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times 6666 + (66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 7777 + (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times 8888 + (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times 9999 + (99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{622226} &:= \frac{(111+1) \times 11111 + (11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times 22222 + (22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times 33333 + (33-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times 44444 + (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times 55555 + (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times 66666 + (66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 77777 + (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times 88888 + (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times 99999 + (99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{627} &:= \frac{(111+1+1+1) \times 11}{(1+1) \times 1} = \frac{(222+2+2+2) \times 22}{(2+2) \times 2} = \frac{(333+3+3+3) \times 33}{(3+3) \times 3} \\ &:= \frac{(444+4+4+4) \times 44}{(4+4) \times 4} = \frac{(555+5+5+5) \times 55}{(5+5) \times 5} = \frac{(666+6+6+6) \times 66}{(6+6) \times 6} \\ &:= \frac{(777+7+7+7) \times 77}{(7+7) \times 7} = \frac{(888+8+8+8) \times 88}{(8+8) \times 8} = \frac{(999+9+9+9) \times 99}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6127} &:= \frac{(1111+1+1+1) \times 11}{(1+1) \times 1} = \frac{(2222+2+2+2) \times 22}{(2+2) \times 2} = \frac{(3333+3+3+3) \times 33}{(3+3) \times 3} \\ &:= \frac{(4444+4+4+4) \times 44}{(4+4) \times 4} = \frac{(5555+5+5+5) \times 55}{(5+5) \times 5} = \frac{(6666+6+6+6) \times 66}{(6+6) \times 6} \\ &:= \frac{(7777+7+7+7) \times 77}{(7+7) \times 7} = \frac{(8888+8+8+8) \times 88}{(8+8) \times 8} = \frac{(9999+9+9+9) \times 99}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{61127} &:= \frac{(11111+1+1+1) \times 11}{(1+1) \times 1} = \frac{(22222+2+2+2) \times 22}{(2+2) \times 2} = \frac{(33333+3+3+3) \times 33}{(3+3) \times 3} \\ &:= \frac{(44444+4+4+4) \times 44}{(4+4) \times 4} = \frac{(55555+5+5+5) \times 55}{(5+5) \times 5} = \frac{(66666+6+6+6) \times 66}{(6+6) \times 6} \\ &:= \frac{(77777+7+7+7) \times 77}{(7+7) \times 7} = \frac{(88888+8+8+8) \times 88}{(8+8) \times 8} = \frac{(99999+9+9+9) \times 99}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{611127} &:= \frac{(111111+1+1+1) \times 11}{(1+1) \times 1} = \frac{(222222+2+2+2) \times 22}{(2+2) \times 2} = \frac{(333333+3+3+3) \times 33}{(3+3) \times 3} \\ &:= \frac{(444444+4+4+4) \times 44}{(4+4) \times 4} = \frac{(555555+5+5+5) \times 55}{(5+5) \times 5} = \frac{(666666+6+6+6) \times 66}{(6+6) \times 6} \\ &:= \frac{(777777+7+7+7) \times 77}{(7+7) \times 7} = \frac{(888888+8+8+8) \times 88}{(8+8) \times 8} = \frac{(999999+9+9+9) \times 99}{(9+9) \times 9} \end{aligned}$$

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628

$$\begin{aligned} &:= \frac{(111+1) \times 11 + (1+1) \times (11+1)}{(1+1) \times 1} = \frac{(222+2) \times 22 + (2+2) \times (22+2)}{(2+2) \times 2} = \frac{(333+3) \times 33 + (3+3) \times (33+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times 44 + (4+4) \times (44+4)}{(4+4) \times 4} = \frac{(555+5) \times 55 + (5+5) \times (55+5)}{(5+5) \times 5} = \frac{(666+6) \times 66 + (6+6) \times (66+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 77 + (7+7) \times (77+7)}{(7+7) \times 7} = \frac{(888+8) \times 88 + (8+8) \times (88+8)}{(8+8) \times 8} = \frac{(999+9) \times 99 + (9+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

6228

$$\begin{aligned} &:= \frac{(1111+1) \times 11 + (1+1) \times (111+1)}{(1+1) \times 1} = \frac{(2222+2) \times 22 + (2+2) \times (222+2)}{(2+2) \times 2} = \frac{(3333+3) \times 33 + (3+3) \times (333+3)}{(3+3) \times 3} \\ &:= \frac{(4444+4) \times 44 + (4+4) \times (444+4)}{(4+4) \times 4} = \frac{(5555+5) \times 55 + (5+5) \times (555+5)}{(5+5) \times 5} = \frac{(6666+6) \times 66 + (6+6) \times (666+6)}{(6+6) \times 6} \\ &:= \frac{(7777+7) \times 77 + (7+7) \times (777+7)}{(7+7) \times 7} = \frac{(8888+8) \times 88 + (8+8) \times (888+8)}{(8+8) \times 8} = \frac{(9999+9) \times 99 + (9+9) \times (999+9)}{(9+9) \times 9} \end{aligned}$$

62228

$$\begin{aligned} &:= \frac{(11111+1) \times 11 + (1+1) \times (1111+1)}{(1+1) \times 1} = \frac{(22222+2) \times 22 + (2+2) \times (2222+2)}{(2+2) \times 2} = \frac{(33333+3) \times 33 + (3+3) \times (3333+3)}{(3+3) \times 3} \\ &:= \frac{(44444+4) \times 44 + (4+4) \times (4444+4)}{(4+4) \times 4} = \frac{(55555+5) \times 55 + (5+5) \times (5555+5)}{(5+5) \times 5} = \frac{(66666+6) \times 66 + (6+6) \times (6666+6)}{(6+6) \times 6} \\ &:= \frac{(77777+7) \times 77 + (7+7) \times (7777+7)}{(7+7) \times 7} = \frac{(88888+8) \times 88 + (8+8) \times (8888+8)}{(8+8) \times 8} = \frac{(99999+9) \times 99 + (9+9) \times (9999+9)}{(9+9) \times 9} \end{aligned}$$

622228

$$\begin{aligned} &:= \frac{(111111+1) \times 11 + (1+1) \times (11111+1)}{(1+1) \times 1} = \frac{(222222+2) \times 22 + (2+2) \times (22222+2)}{(2+2) \times 2} = \frac{(333333+3) \times 33 + (3+3) \times (33333+3)}{(3+3) \times 3} \\ &:= \frac{(444444+4) \times 44 + (4+4) \times (44444+4)}{(4+4) \times 4} = \frac{(555555+5) \times 55 + (5+5) \times (55555+5)}{(5+5) \times 5} = \frac{(666666+6) \times 66 + (6+6) \times (66666+6)}{(6+6) \times 6} \\ &:= \frac{(777777+7) \times 77 + (7+7) \times (77777+7)}{(7+7) \times 7} = \frac{(888888+8) \times 88 + (8+8) \times (88888+8)}{(8+8) \times 8} = \frac{(999999+9) \times 99 + (9+9) \times (99999+9)}{(9+9) \times 9} \end{aligned}$$

►

629

$$\begin{aligned} &:= \frac{(111+1) \times 11 + (1+1) \times (11+1+1)}{(1+1) \times 1} = \frac{(222+2) \times 22 + (2+2) \times (22+2+2)}{(2+2) \times 2} = \frac{(333+3) \times 33 + (3+3) \times (33+3+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times 44 + (4+4) \times (44+4+4)}{(4+4) \times 4} = \frac{(555+5) \times 55 + (5+5) \times (55+5+5)}{(5+5) \times 5} = \frac{(666+6) \times 66 + (6+6) \times (66+6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 77 + (7+7) \times (77+7+7)}{(7+7) \times 7} = \frac{(888+8) \times 88 + (8+8) \times (88+8+8)}{(8+8) \times 8} = \frac{(999+9) \times 99 + (9+9) \times (99+9+9)}{(9+9) \times 9} \end{aligned}$$

6329

$$\begin{aligned} &:= \frac{(111+1) \times 111 + (1+1) \times (111+1+1)}{(1+1) \times 1} = \frac{(222+2) \times 222 + (2+2) \times (222+2+2)}{(2+2) \times 2} = \frac{(333+3) \times 333 + (3+3) \times (333+3+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times 444 + (4+4) \times (444+4+4)}{(4+4) \times 4} = \frac{(555+5) \times 555 + (5+5) \times (555+5+5)}{(5+5) \times 5} = \frac{(666+6) \times 666 + (6+6) \times (666+6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 777 + (7+7) \times (777+7+7)}{(7+7) \times 7} = \frac{(888+8) \times 888 + (8+8) \times (888+8+8)}{(8+8) \times 8} = \frac{(999+9) \times 999 + (9+9) \times (999+9+9)}{(9+9) \times 9} \end{aligned}$$

63329

$$:= \frac{(111+1) \times 1111 + (1+1) \times (1111+1+1)}{(1+1) \times 1} = \frac{(222+2) \times 2222 + (2+2) \times (2222+2+2)}{(2+2) \times 2} = \frac{(333+3) \times 3333 + (3+3) \times (3333+3+3)}{(3+3) \times 3}$$

364

$$\begin{aligned} &:= \frac{(444+4) \times 4444 + (4+4) \times (4444+4+4)}{(4+4) \times 4} = \frac{(555+5) \times 5555 + (5+5) \times (5555+5+5)}{(5+5) \times 5} = \frac{(666+6) \times 6666 + (6+6) \times (6666+6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 7777 + (7+7) \times (7777+7+7)}{(7+7) \times 7} = \frac{(888+8) \times 8888 + (8+8) \times (8888+8+8)}{(8+8) \times 8} = \frac{(999+9) \times 9999 + (9+9) \times (9999+9+9)}{(9+9) \times 9} \end{aligned}$$

633329

$$\begin{aligned} &:= \frac{(111+1) \times 11111 + (1+1) \times (11111+1+1)}{(1+1) \times 1} = \frac{(222+2) \times 22222 + (2+2) \times (22222+2+2)}{(2+2) \times 2} = \frac{(333+3) \times 33333 + (3+3) \times (33333+3+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times 44444 + (4+4) \times (44444+4+4)}{(4+4) \times 4} = \frac{(555+5) \times 55555 + (5+5) \times (55555+5+5)}{(5+5) \times 5} = \frac{(666+6) \times 66666 + (6+6) \times (66666+6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times 77777 + (7+7) \times (77777+7+7)}{(7+7) \times 7} = \frac{(888+8) \times 88888 + (8+8) \times (88888+8+8)}{(8+8) \times 8} = \frac{(999+9) \times 99999 + (9+9) \times (99999+9+9)}{(9+9) \times 9} \end{aligned}$$

► 630

$$\begin{aligned} &:= \frac{(111+111-11-1) \times (1+1+1)}{1 \times 1} = \frac{(222+222-22-2) \times (2+2+2)}{2 \times 2} = \frac{(333+333-33-3) \times (3+3+3)}{3 \times 3} \\ &:= \frac{(444+444-44-4) \times (4+4+4)}{4 \times 4} = \frac{(555+555-55-5) \times (5+5+5)}{5 \times 5} = \frac{(666+666-66-6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777+777-77-7) \times (7+7+7)}{7 \times 7} = \frac{(888+888-88-8) \times (8+8+8)}{8 \times 8} = \frac{(999+999-99-9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

3630

$$\begin{aligned} &:= \frac{(1111+111-11-1) \times (1+1+1)}{1 \times 1} = \frac{(2222+222-22-2) \times (2+2+2)}{2 \times 2} = \frac{(3333+333-33-3) \times (3+3+3)}{3 \times 3} \\ &:= \frac{(4444+444-44-4) \times (4+4+4)}{4 \times 4} = \frac{(5555+555-55-5) \times (5+5+5)}{5 \times 5} = \frac{(6666+666-66-6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(7777+777-77-7) \times (7+7+7)}{7 \times 7} = \frac{(8888+888-88-8) \times (8+8+8)}{8 \times 8} = \frac{(9999+999-99-9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

33630

$$\begin{aligned} &:= \frac{(11111+111-11-1) \times (1+1+1)}{1 \times 1} = \frac{(22222+222-22-2) \times (2+2+2)}{2 \times 2} = \frac{(33333+333-33-3) \times (3+3+3)}{3 \times 3} \\ &:= \frac{(44444+444-44-4) \times (4+4+4)}{4 \times 4} = \frac{(55555+555-55-5) \times (5+5+5)}{5 \times 5} = \frac{(66666+666-66-6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(77777+777-77-7) \times (7+7+7)}{7 \times 7} = \frac{(88888+888-88-8) \times (8+8+8)}{8 \times 8} = \frac{(99999+999-99-9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

333630

$$\begin{aligned} &:= \frac{(111111+111-11-1) \times (1+1+1)}{1 \times 1} = \frac{(222222+222-22-2) \times (2+2+2)}{2 \times 2} = \frac{(333333+333-33-3) \times (3+3+3)}{3 \times 3} \\ &:= \frac{(444444+444-44-4) \times (4+4+4)}{4 \times 4} = \frac{(555555+555-55-5) \times (5+5+5)}{5 \times 5} = \frac{(666666+666-66-6) \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777777+777-77-7) \times (7+7+7)}{7 \times 7} = \frac{(888888+888-88-8) \times (8+8+8)}{8 \times 8} = \frac{(999999+999-99-9) \times (9+9+9)}{9 \times 9} \end{aligned}$$

► 631

$$\begin{aligned} &:= \frac{(111+111-11-1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222+222-22-2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333+333-33-3) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444+444-44-4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555+555-55-5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666+666-66-6) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777+777-77-7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888+888-88-8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999+999-99-9) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

3631

:=

$$\frac{(1111+111-11-1)\times(1+1+1)+1\times1}{1\times1}=\frac{(2222+222-22-2)\times(2+2+2)+2\times2}{2\times2}=\frac{(3333+333-33-3)\times(3+3+3)+3\times3}{3\times3}$$

$$:=\frac{(4444+444-44-4)\times(4+4+4)+4\times4}{4\times4}=\frac{(5555+555-55-5)\times(5+5+5)+5\times5}{5\times5}=\frac{(6666+666-66-6)\times(6+6+6)+6\times6}{6\times6}$$

$$:=\frac{(7777+777-77-7)\times(7+7+7)+7\times7}{7\times7}=\frac{(8888+888-88-8)\times(8+8+8)+8\times8}{8\times8}=\frac{(9999+999-99-9)\times(9+9+9)+9\times9}{9\times9}$$

33631

:=

$$\frac{(11111+111-11-1)\times(1+1+1)+1\times1}{1\times1}=\frac{(22222+222-22-2)\times(2+2+2)+2\times2}{2\times2}=\frac{(33333+333-33-3)\times(3+3+3)+3\times3}{3\times3}$$

$$:=\frac{(44444+444-44-4)\times(4+4+4)+4\times4}{4\times4}=\frac{(55555+555-55-5)\times(5+5+5)+5\times5}{5\times5}=\frac{(66666+666-66-6)\times(6+6+6)+6\times6}{6\times6}$$

$$:=\frac{(77777+777-77-7)\times(7+7+7)+7\times7}{7\times7}=\frac{(88888+888-88-8)\times(8+8+8)+8\times8}{8\times8}=\frac{(99999+999-99-9)\times(9+9+9)+9\times9}{9\times9}$$

333631

:=

$$\frac{(111111+111-11-1)\times(1+1+1)+1\times1}{1\times1}=\frac{(222222+222-22-2)\times(2+2+2)+2\times2}{2\times2}=\frac{(333333+333-33-3)\times(3+3+3)+3\times3}{3\times3}$$

$$:=\frac{(444444+444-44-4)\times(4+4+4)+4\times4}{4\times4}=\frac{(555555+555-55-5)\times(5+5+5)+5\times5}{5\times5}=\frac{(666666+666-66-6)\times(6+6+6)+6\times6}{6\times6}$$

$$:=\frac{(777777+777-77-7)\times(7+7+7)+7\times7}{7\times7}=\frac{(888888+888-88-8)\times(8+8+8)+8\times8}{8\times8}=\frac{(999999+999-99-9)\times(9+9+9)+9\times9}{9\times9}$$

► 632

:=

$$\frac{(111+111-11)\times(1+1+1)-1\times1}{1\times1}=\frac{(222+222-22)\times(2+2+2)-2\times2}{2\times2}=\frac{(333+333-33)\times(3+3+3)-3\times3}{3\times3}$$

$$:=\frac{(444+444-44)\times(4+4+4)-4\times4}{4\times4}=\frac{(555+555-55)\times(5+5+5)-5\times5}{5\times5}=\frac{(666+666-66)\times(6+6+6)-6\times6}{6\times6}$$

$$:=\frac{(777+777-77)\times(7+7+7)-7\times7}{7\times7}=\frac{(888+888-88)\times(8+8+8)-8\times8}{8\times8}=\frac{(999+999-99)\times(9+9+9)-9\times9}{9\times9}$$

3632

:=

$$\frac{(1111+111-11)\times(1+1+1)-1\times1}{1\times1}=\frac{(2222+222-22)\times(2+2+2)-2\times2}{2\times2}=\frac{(3333+333-33)\times(3+3+3)-3\times3}{3\times3}$$

$$:=\frac{(4444+444-44)\times(4+4+4)-4\times4}{4\times4}=\frac{(5555+555-55)\times(5+5+5)-5\times5}{5\times5}=\frac{(6666+666-66)\times(6+6+6)-6\times6}{6\times6}$$

$$:=\frac{(7777+777-77)\times(7+7+7)-7\times7}{7\times7}=\frac{(8888+888-88)\times(8+8+8)-8\times8}{8\times8}=\frac{(9999+999-99)\times(9+9+9)-9\times9}{9\times9}$$

33632

:=

$$\frac{(11111+111-11)\times(1+1+1)-1\times1}{1\times1}=\frac{(22222+222-22)\times(2+2+2)-2\times2}{2\times2}=\frac{(33333+333-33)\times(3+3+3)-3\times3}{3\times3}$$

$$:=\frac{(44444+444-44)\times(4+4+4)-4\times4}{4\times4}=\frac{(55555+555-55)\times(5+5+5)-5\times5}{5\times5}=\frac{(66666+666-66)\times(6+6+6)-6\times6}{6\times6}$$

$$:=\frac{(77777+777-77)\times(7+7+7)-7\times7}{7\times7}=\frac{(88888+888-88)\times(8+8+8)-8\times8}{8\times8}=\frac{(99999+999-99)\times(9+9+9)-9\times9}{9\times9}$$

333632

:=

$$\frac{(111111+111-11)\times(1+1+1)-1\times1}{1\times1}=\frac{(222222+222-22)\times(2+2+2)-2\times2}{2\times2}=\frac{(333333+333-33)\times(3+3+3)-3\times3}{3\times3}$$

$$:=\frac{(444444+444-44)\times(4+4+4)-4\times4}{4\times4}=\frac{(555555+555-55)\times(5+5+5)-5\times5}{5\times5}=\frac{(666666+666-66)\times(6+6+6)-6\times6}{6\times6}$$

366

$$:= \frac{(777777 + 777 - 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 + 888 - 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 + 999 - 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9}$$

► **633** := $\frac{(111 + 111 - 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 222 - 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 333 - 33) \times (3 + 3 + 3)}{3 \times 3}$
:= $\frac{(444 + 444 - 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 555 - 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 666 - 66) \times (6 + 6 + 6)}{6 \times 6}$
:= $\frac{(777 + 777 - 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 888 - 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 999 - 99) \times (9 + 9 + 9)}{9 \times 9}$

3633 := $\frac{(1111 + 111 - 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 222 - 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 333 - 33) \times (3 + 3 + 3)}{3 \times 3}$
:= $\frac{(4444 + 444 - 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 555 - 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 666 - 66) \times (6 + 6 + 6)}{6 \times 6}$
:= $\frac{(7777 + 777 - 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 888 - 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 999 - 99) \times (9 + 9 + 9)}{9 \times 9}$

33633 := $\frac{(11111 + 111 - 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 222 - 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 333 - 33) \times (3 + 3 + 3)}{3 \times 3}$
:= $\frac{(44444 + 444 - 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 555 - 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 666 - 66) \times (6 + 6 + 6)}{6 \times 6}$
:= $\frac{(77777 + 777 - 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 888 - 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 999 - 99) \times (9 + 9 + 9)}{9 \times 9}$

333633 := $\frac{(111111 + 111 - 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 222 - 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 333 - 33) \times (3 + 3 + 3)}{3 \times 3}$
:= $\frac{(444444 + 444 - 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 555 - 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 666 - 66) \times (6 + 6 + 6)}{6 \times 6}$
:= $\frac{(777777 + 777 - 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 888 - 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 999 - 99) \times (9 + 9 + 9)}{9 \times 9}$

► **634** := $\frac{(111 + 111 - 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 - 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 - 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$
:= $\frac{(444 + 444 - 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 - 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 - 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$
:= $\frac{(777 + 777 - 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 - 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 - 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$

3634 := $\frac{(1111 + 111 - 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 - 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 - 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$
:= $\frac{(4444 + 444 - 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 - 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 - 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$
:= $\frac{(7777 + 777 - 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 - 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 - 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$

33634

$$\begin{aligned} &:= \frac{(11111+111-11) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(22222+222-22) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(33333+333-33) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+444-44) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(55555+555-55) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(66666+666-66) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+777-77) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(88888+888-88) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(99999+999-99) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

333634

$$\begin{aligned} &:= \frac{(111111+111-11) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222222+222-22) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333333+333-33) \times (3+3+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444+444-44) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555555+555-55) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666666+666-66) \times (6+6+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777+777-77) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888888+888-88) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999999+999-99) \times (9+9+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

635

$$\begin{aligned} &:= \frac{(111+111-11+1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(222+222-22+2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(333+333-33+3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+444-44+4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(555+555-55+5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(666+666-66+6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777+777-77+7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(888+888-88+8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(999+999-99+9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

3635

$$\begin{aligned} &:= \frac{(1111+111-11+1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(2222+222-22+2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(3333+333-33+3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+444-44+4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(5555+555-55+5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(6666+666-66+6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+777-77+7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(8888+888-88+8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(9999+999-99+9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

33635

$$\begin{aligned} &:= \frac{(11111+111-11+1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(22222+222-22+2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(33333+333-33+3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+444-44+4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(55555+555-55+5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(66666+666-66+6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+777-77+7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(88888+888-88+8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(99999+999-99+9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

333635

$$\begin{aligned} &:= \frac{(111111+111-11+1) \times (1+1+1) - 1 \times 1}{1 \times 1} = \frac{(222222+222-22+2) \times (2+2+2) - 2 \times 2}{2 \times 2} = \frac{(333333+333-33+3) \times (3+3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444+444-44+4) \times (4+4+4) - 4 \times 4}{4 \times 4} = \frac{(555555+555-55+5) \times (5+5+5) - 5 \times 5}{5 \times 5} = \frac{(666666+666-66+6) \times (6+6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777+777-77+7) \times (7+7+7) - 7 \times 7}{7 \times 7} = \frac{(888888+888-88+8) \times (8+8+8) - 8 \times 8}{8 \times 8} = \frac{(999999+999-99+9) \times (9+9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

636

$$\begin{aligned} &:= \frac{(111+111-11+1) \times (1+1+1)}{1 \times 1} = \frac{(222+222-22+2) \times (2+2+2)}{2 \times 2} = \frac{(333+333-33+3) \times (3+3+3)}{3 \times 3} \\ &:= \frac{(444+444-44+4) \times (4+4+4)}{4 \times 4} = \frac{(555+555-55+5) \times (5+5+5)}{5 \times 5} = \frac{(666+666-66+6) \times (6+6+6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(777+777-77+7) \times (7+7+7)}{7 \times 7} = \frac{(888+888-88+8) \times (8+8+8)}{8 \times 8} = \frac{(999+999-99+9) \times (9+9+9)}{9 \times 9}$$

3636 := $\frac{(1111+111-11+1) \times (1+1+1)}{1 \times 1} = \frac{(2222+222-22+2) \times (2+2+2)}{2 \times 2} = \frac{(3333+333-33+3) \times (3+3+3)}{3 \times 3}$

$$:= \frac{(4444+444-44+4) \times (4+4+4)}{4 \times 4} = \frac{(5555+555-55+5) \times (5+5+5)}{5 \times 5} = \frac{(6666+666-66+6) \times (6+6+6)}{6 \times 6}$$
$$:= \frac{(7777+777-77+7) \times (7+7+7)}{7 \times 7} = \frac{(8888+888-88+8) \times (8+8+8)}{8 \times 8} = \frac{(9999+999-99+9) \times (9+9+9)}{9 \times 9}$$

33636 := $\frac{(11111+111-11+1) \times (1+1+1)}{1 \times 1} = \frac{(22222+222-22+2) \times (2+2+2)}{2 \times 2} = \frac{(33333+333-33+3) \times (3+3+3)}{3 \times 3}$

$$:= \frac{(44444+444-44+4) \times (4+4+4)}{4 \times 4} = \frac{(55555+555-55+5) \times (5+5+5)}{5 \times 5} = \frac{(66666+666-66+6) \times (6+6+6)}{6 \times 6}$$
$$:= \frac{(77777+777-77+7) \times (7+7+7)}{7 \times 7} = \frac{(88888+888-88+8) \times (8+8+8)}{8 \times 8} = \frac{(99999+999-99+9) \times (9+9+9)}{9 \times 9}$$

333636 := $\frac{(111111+111-11+1) \times (1+1+1)}{1 \times 1} = \frac{(222222+222-22+2) \times (2+2+2)}{2 \times 2} = \frac{(333333+333-33+3) \times (3+3+3)}{3 \times 3}$

$$:= \frac{(444444+444-44+4) \times (4+4+4)}{4 \times 4} = \frac{(555555+555-55+5) \times (5+5+5)}{5 \times 5} = \frac{(666666+666-66+6) \times (6+6+6)}{6 \times 6}$$
$$:= \frac{(777777+777-77+7) \times (7+7+7)}{7 \times 7} = \frac{(888888+888-88+8) \times (8+8+8)}{8 \times 8} = \frac{(999999+999-99+9) \times (9+9+9)}{9 \times 9}$$

► **637** := $\frac{(111+111-11+1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222+222-22+2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333+333-33+3) \times (3+3+3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444+444-44+4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(555+555-55+5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(666+666-66+6) \times (6+6+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777+777-77+7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(888+888-88+8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(999+999-99+9) \times (9+9+9) + 9 \times 9}{9 \times 9}$$

3637 := $\frac{(1111+111-11+1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(2222+222-22+2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(3333+333-33+3) \times (3+3+3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(4444+444-44+4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(5555+555-55+5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(6666+666-66+6) \times (6+6+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777+777-77+7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(8888+888-88+8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(9999+999-99+9) \times (9+9+9) + 9 \times 9}{9 \times 9}$$

33637 := $\frac{(11111+111-11+1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(22222+222-22+2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(33333+333-33+3) \times (3+3+3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(44444+444-44+4) \times (4+4+4) + 4 \times 4}{4 \times 4} = \frac{(55555+555-55+5) \times (5+5+5) + 5 \times 5}{5 \times 5} = \frac{(66666+666-66+6) \times (6+6+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777+777-77+7) \times (7+7+7) + 7 \times 7}{7 \times 7} = \frac{(88888+888-88+8) \times (8+8+8) + 8 \times 8}{8 \times 8} = \frac{(99999+999-99+9) \times (9+9+9) + 9 \times 9}{9 \times 9}$$

333637 := $\frac{(111111+111-11+1) \times (1+1+1) + 1 \times 1}{1 \times 1} = \frac{(222222+222-22+2) \times (2+2+2) + 2 \times 2}{2 \times 2} = \frac{(333333+333-33+3) \times (3+3+3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444444 + 444 - 44 + 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 - 55 + 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 - 66 + 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 - 77 + 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 - 88 + 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 - 99 + 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► **638** := $\frac{(111 + 1) \times 11 + (11 + 11) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 22 + (22 + 22) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 33 + (33 + 33) \times (3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 + 4) \times 44 + (44 + 44) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 55 + (55 + 55) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 66 + (66 + 66) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 77 + (77 + 77) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 88 + (88 + 88) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 99 + (99 + 99) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6238 := $\frac{(111 + 1) \times 111 + (11 + 11) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 222 + (22 + 22) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 333 + (33 + 33) \times (3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 + 4) \times 444 + (44 + 44) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 555 + (55 + 55) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 666 + (66 + 66) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 777 + (77 + 77) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 888 + (88 + 88) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 999 + (99 + 99) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

62238 := $\frac{(111 + 1) \times 1111 + (11 + 11) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 2222 + (22 + 22) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 3333 + (33 + 33) \times (3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 + 4) \times 4444 + (44 + 44) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 5555 + (55 + 55) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 6666 + (66 + 66) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 7777 + (77 + 77) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 8888 + (88 + 88) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 9999 + (99 + 99) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

622238 := $\frac{(111 + 1) \times 11111 + (11 + 11) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times 22222 + (22 + 22) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times 33333 + (33 + 33) \times (3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(444 + 4) \times 44444 + (44 + 44) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times 55555 + (55 + 55) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times 66666 + (66 + 66) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times 77777 + (77 + 77) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times 88888 + (88 + 88) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times 99999 + (99 + 99) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► **639** := $\frac{1111 + 111}{1 + 1} + \frac{111 + 1}{1 + 1 + 1 + 1} = \frac{2222 + 222}{2 + 2} + \frac{222 + 2}{2 + 2 + 2 + 2} = \frac{3333 + 333}{3 + 3} + \frac{333 + 3}{3 + 3 + 3 + 3}$

$$\begin{aligned} &:= \frac{4444 + 444}{4 + 4} + \frac{444 + 4}{4 + 4 + 4 + 4} = \frac{5555 + 555}{5 + 5} + \frac{555 + 5}{5 + 5 + 5 + 5} = \frac{6666 + 666}{6 + 6} + \frac{666 + 6}{6 + 6 + 6 + 6} \\ &:= \frac{7777 + 777}{7 + 7} + \frac{777 + 7}{7 + 7 + 7 + 7} = \frac{8888 + 888}{8 + 8} + \frac{888 + 8}{8 + 8 + 8 + 8} = \frac{9999 + 999}{9 + 9} + \frac{999 + 9}{9 + 9 + 9 + 9} \end{aligned}$$

5639 := $\frac{11111 + 111}{1 + 1} + \frac{111 + 1}{1 + 1 + 1 + 1} = \frac{22222 + 222}{2 + 2} + \frac{222 + 2}{2 + 2 + 2 + 2} = \frac{33333 + 333}{3 + 3} + \frac{333 + 3}{3 + 3 + 3 + 3}$

$$\begin{aligned} &:= \frac{44444 + 444}{4 + 4} + \frac{444 + 4}{4 + 4 + 4 + 4} = \frac{55555 + 555}{5 + 5} + \frac{555 + 5}{5 + 5 + 5 + 5} = \frac{66666 + 666}{6 + 6} + \frac{666 + 6}{6 + 6 + 6 + 6} \\ &:= \frac{77777 + 777}{7 + 7} + \frac{777 + 7}{7 + 7 + 7 + 7} = \frac{88888 + 888}{8 + 8} + \frac{888 + 8}{8 + 8 + 8 + 8} = \frac{99999 + 999}{9 + 9} + \frac{999 + 9}{9 + 9 + 9 + 9} \end{aligned}$$

55639

$$\begin{aligned} &:= \frac{111111+111}{1+1} + \frac{111+1}{1+1+1+1} = \frac{222222+222}{2+2} + \frac{222+2}{2+2+2+2} = \frac{333333+333}{3+3} + \frac{333+3}{3+3+3+3} \\ &:= \frac{444444+444}{4+4} + \frac{444+4}{4+4+4+4} = \frac{555555+555}{5+5} + \frac{555+5}{5+5+5+5} = \frac{666666+666}{6+6} + \frac{666+6}{6+6+6+6} \\ &:= \frac{777777+777}{7+7} + \frac{777+7}{7+7+7+7} = \frac{888888+888}{8+8} + \frac{888+8}{8+8+8+8} = \frac{999999+999}{9+9} + \frac{999+9}{9+9+9+9} \end{aligned}$$

555639

$$\begin{aligned} &:= \frac{1111111+111}{1+1} + \frac{111+1}{1+1+1+1} = \frac{2222222+222}{2+2} + \frac{222+2}{2+2+2+2} = \frac{3333333+333}{3+3} + \frac{333+3}{3+3+3+3} \\ &:= \frac{4444444+444}{4+4} + \frac{444+4}{4+4+4+4} = \frac{5555555+555}{5+5} + \frac{555+5}{5+5+5+5} = \frac{6666666+666}{6+6} + \frac{666+6}{6+6+6+6} \\ &:= \frac{7777777+777}{7+7} + \frac{777+7}{7+7+7+7} = \frac{8888888+888}{8+8} + \frac{888+8}{8+8+8+8} = \frac{9999999+999}{9+9} + \frac{999+9}{9+9+9+9} \end{aligned}$$

▶ 640

$$\begin{aligned} &:= \frac{1111-11-11-11}{1+1} + \frac{1111}{11} = \frac{2222-22-22-22}{2+2} + \frac{2222}{22} = \frac{3333-33-33-33}{3+3} + \frac{3333}{33} \\ &:= \frac{4444-44-44-44}{4+4} + \frac{4444}{44} = \frac{5555-55-55-55}{5+5} + \frac{5555}{55} = \frac{6666-66-66-66}{6+6} + \frac{6666}{66} \\ &:= \frac{7777-77-77-77}{7+7} + \frac{7777}{77} = \frac{8888-88-88-88}{8+8} + \frac{8888}{88} = \frac{9999-99-99-99}{9+9} + \frac{9999}{99} \end{aligned}$$

5640

$$\begin{aligned} &:= \frac{11111-11-11-11}{1+1} + \frac{1111}{11} = \frac{22222-22-22-22}{2+2} + \frac{2222}{22} = \frac{33333-33-33-33}{3+3} + \frac{3333}{33} \\ &:= \frac{44444-44-44-44}{4+4} + \frac{4444}{44} = \frac{55555-55-55-55}{5+5} + \frac{5555}{55} = \frac{66666-66-66-66}{6+6} + \frac{6666}{66} \\ &:= \frac{77777-77-77-77}{7+7} + \frac{7777}{77} = \frac{88888-88-88-88}{8+8} + \frac{8888}{88} = \frac{99999-99-99-99}{9+9} + \frac{9999}{99} \end{aligned}$$

55640

$$\begin{aligned} &:= \frac{111111-11-11-11}{1+1} + \frac{1111}{11} = \frac{222222-22-22-22}{2+2} + \frac{2222}{22} = \frac{333333-33-33-33}{3+3} + \frac{3333}{33} \\ &:= \frac{444444-44-44-44}{4+4} + \frac{4444}{44} = \frac{555555-55-55-55}{5+5} + \frac{5555}{55} = \frac{666666-66-66-66}{6+6} + \frac{6666}{66} \\ &:= \frac{777777-77-77-77}{7+7} + \frac{7777}{77} = \frac{888888-88-88-88}{8+8} + \frac{8888}{88} = \frac{999999-99-99-99}{9+9} + \frac{9999}{99} \end{aligned}$$

555640

$$\begin{aligned} &:= \frac{1111111-11-11-11}{1+1} + \frac{1111}{11} = \frac{2222222-22-22-22}{2+2} + \frac{2222}{22} = \frac{3333333-33-33-33}{3+3} + \frac{3333}{33} \\ &:= \frac{4444444-44-44-44}{4+4} + \frac{4444}{44} = \frac{5555555-55-55-55}{5+5} + \frac{5555}{55} = \frac{6666666-66-66-66}{6+6} + \frac{6666}{66} \\ &:= \frac{7777777-77-77-77}{7+7} + \frac{7777}{77} = \frac{8888888-88-88-88}{8+8} + \frac{8888}{88} = \frac{9999999-99-99-99}{9+9} + \frac{9999}{99} \end{aligned}$$

▶ 641

$$\begin{aligned} &:= \frac{(111+111+111-11-1) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(222+222+222-22-2) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(333+333+333-33-3) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+444+444-44-4) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(555+555+555-55-5) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(666+666+666-66-6) \times (6+6) - 6 \times 6}{6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(777+777+777-77-7)\times(7+7)-7\times7}{7\times7} = \frac{(888+888+888-88-8)\times(8+8)-8\times8}{8\times8} = \frac{(999+999+999-99-9)\times(9+9)-9\times9}{9\times9} \\ \textcolor{red}{2641} &:= \frac{(1111+111+111-11-1)\times(1+1)-1\times1}{1\times1} = \frac{(2222+222+222-22-2)\times(2+2)-2\times2}{2\times2} = \frac{(3333+333+333-33-3)\times(3+3)-3\times3}{3\times3} \\ &:= \frac{(4444+444+444-44-4)\times(4+4)-4\times4}{4\times4} = \frac{(5555+555+555-55-5)\times(5+5)-5\times5}{5\times5} = \frac{(6666+666+666-66-6)\times(6+6)-6\times6}{6\times6} \\ &:= \frac{(7777+777+777-77-7)\times(7+7)-7\times7}{7\times7} = \frac{(8888+888+888-88-8)\times(8+8)-8\times8}{8\times8} = \frac{(9999+999+999-99-9)\times(9+9)-9\times9}{9\times9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22641} &:= \frac{(11111+111+111-11-1)\times(1+1)-1\times1}{1\times1} = \frac{(22222+222+222-22-2)\times(2+2)-2\times2}{2\times2} = \frac{(33333+333+333-33-3)\times(3+3)-3\times3}{3\times3} \\ &:= \frac{(44444+444+444-44-4)\times(4+4)-4\times4}{4\times4} = \frac{(55555+555+555-55-5)\times(5+5)-5\times5}{5\times5} = \frac{(66666+666+666-66-6)\times(6+6)-6\times6}{6\times6} \\ &:= \frac{(77777+777+777-77-7)\times(7+7)-7\times7}{7\times7} = \frac{(88888+888+888-88-8)\times(8+8)-8\times8}{8\times8} = \frac{(99999+999+999-99-9)\times(9+9)-9\times9}{9\times9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222641} &:= \frac{(111111+111+111-11-1)\times(1+1)-1\times1}{1\times1} = \frac{(222222+222+222-22-2)\times(2+2)-2\times2}{2\times2} = \frac{(333333+333+333-33-3)\times(3+3)-3\times3}{3\times3} \\ &:= \frac{(444444+444+444-44-4)\times(4+4)-4\times4}{4\times4} = \frac{(555555+555+555-55-5)\times(5+5)-5\times5}{5\times5} = \frac{(666666+666+666-66-6)\times(6+6)-6\times6}{6\times6} \\ &:= \frac{(777777+777+777-77-7)\times(7+7)-7\times7}{7\times7} = \frac{(888888+888+888-88-8)\times(8+8)-8\times8}{8\times8} = \frac{(999999+999+999-99-9)\times(9+9)-9\times9}{9\times9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{642} &:= \frac{(111+111+111-11-1)\times(1+1)}{1\times1} = \frac{(222+222+222-22-2)\times(2+2)}{2\times2} = \frac{(333+333+333-33-3)\times(3+3)}{3\times3} \\ &:= \frac{(444+444+444-44-4)\times(4+4)}{4\times4} = \frac{(555+555+555-55-5)\times(5+5)}{5\times5} = \frac{(666+666+666-66-6)\times(6+6)}{6\times6} \\ &:= \frac{(777+777+777-77-7)\times(7+7)}{7\times7} = \frac{(888+888+888-88-8)\times(8+8)}{8\times8} = \frac{(999+999+999-99-9)\times(9+9)}{9\times9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2642} &:= \frac{(1111+111+111-11-1)\times(1+1)}{1\times1} = \frac{(2222+222+222-22-2)\times(2+2)}{2\times2} = \frac{(3333+333+333-33-3)\times(3+3)}{3\times3} \\ &:= \frac{(4444+444+444-44-4)\times(4+4)}{4\times4} = \frac{(5555+555+555-55-5)\times(5+5)}{5\times5} = \frac{(6666+666+666-66-6)\times(6+6)}{6\times6} \\ &:= \frac{(7777+777+777-77-7)\times(7+7)}{7\times7} = \frac{(8888+888+888-88-8)\times(8+8)}{8\times8} = \frac{(9999+999+999-99-9)\times(9+9)}{9\times9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22642} &:= \frac{(11111+111+111-11-1)\times(1+1)}{1\times1} = \frac{(22222+222+222-22-2)\times(2+2)}{2\times2} = \frac{(33333+333+333-33-3)\times(3+3)}{3\times3} \\ &:= \frac{(44444+444+444-44-4)\times(4+4)}{4\times4} = \frac{(55555+555+555-55-5)\times(5+5)}{5\times5} = \frac{(66666+666+666-66-6)\times(6+6)}{6\times6} \\ &:= \frac{(77777+777+777-77-7)\times(7+7)}{7\times7} = \frac{(88888+888+888-88-8)\times(8+8)}{8\times8} = \frac{(99999+999+999-99-9)\times(9+9)}{9\times9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222642} &:= \frac{(111111+111+111-11-1)\times(1+1)}{1\times1} = \frac{(222222+222+222-22-2)\times(2+2)}{2\times2} = \frac{(333333+333+333-33-3)\times(3+3)}{3\times3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(444444 + 444 + 444 - 44 - 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 555 - 55 - 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 666 - 66 - 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 777 - 77 - 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 888 - 88 - 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 999 - 99 - 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

► **643** := $\frac{(111 + 111 + 111 - 11 - 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 222 - 22 - 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 333 - 33 - 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 444 + 444 - 44 - 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 555 - 55 - 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 666 - 66 - 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 777 - 77 - 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 888 - 88 - 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 999 - 99 - 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

2643 := $\frac{(1111 + 111 + 111 - 11 - 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 222 - 22 - 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 333 - 33 - 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444 + 444 + 444 - 44 - 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 555 - 55 - 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 666 - 66 - 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 777 + 777 - 77 - 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 888 - 88 - 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 999 - 99 - 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

22643 := $\frac{(11111 + 111 + 111 - 11 - 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 222 - 22 - 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 333 - 33 - 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444 + 444 + 444 - 44 - 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 555 - 55 - 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 666 - 66 - 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 777 + 777 - 77 - 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 888 - 88 - 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 999 - 99 - 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

222643 := $\frac{(111111 + 111 + 111 - 11 - 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 222 - 22 - 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 333 - 33 - 3) \times (3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444444 + 444 + 444 - 44 - 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 555 - 55 - 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 666 - 66 - 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 + 777 - 77 - 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 888 - 88 - 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 999 - 99 - 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► **644** := $\frac{111 \times (11 + 1) - (11 + 11) \times (1 + 1)}{(1 + 1) \times 1} = \frac{222 \times (22 + 2) - (22 + 22) \times (2 + 2)}{(2 + 2) \times 2} = \frac{333 \times (33 + 3) - (33 + 33) \times (3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{444 \times (44 + 4) - (44 + 44) \times (4 + 4)}{(4 + 4) \times 4} = \frac{555 \times (55 + 5) - (55 + 55) \times (5 + 5)}{(5 + 5) \times 5} = \frac{666 \times (66 + 6) - (66 + 66) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777 \times (77 + 7) - (77 + 77) \times (7 + 7)}{(7 + 7) \times 7} = \frac{888 \times (88 + 8) - (88 + 88) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) - (99 + 99) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6644 := $\frac{1111 \times (11 + 1) - (11 + 11) \times (1 + 1)}{(1 + 1) \times 1} = \frac{2222 \times (22 + 2) - (22 + 22) \times (2 + 2)}{(2 + 2) \times 2} = \frac{3333 \times (33 + 3) - (33 + 33) \times (3 + 3)}{(3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{4444 \times (44 + 4) - (44 + 44) \times (4 + 4)}{(4 + 4) \times 4} = \frac{5555 \times (55 + 5) - (55 + 55) \times (5 + 5)}{(5 + 5) \times 5} = \frac{6666 \times (66 + 6) - (66 + 66) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{7777 \times (77 + 7) - (77 + 77) \times (7 + 7)}{(7 + 7) \times 7} = \frac{8888 \times (88 + 8) - (88 + 88) \times (8 + 8)}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) - (99 + 99) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66644

$$\begin{aligned} &:= \frac{11111 \times (11 + 1) - (11 + 11) \times (1 + 1)}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2) - (22 + 22) \times (2 + 2)}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3) - (33 + 33) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{44444 \times (44 + 4) - (44 + 44) \times (4 + 4)}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5) - (55 + 55) \times (5 + 5)}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6) - (66 + 66) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7) - (77 + 77) \times (7 + 7)}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8) - (88 + 88) \times (8 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) - (99 + 99) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666644

$$\begin{aligned} &:= \frac{111111 \times (11 + 1) - (11 + 11) \times (1 + 1)}{(1 + 1) \times 1} = \frac{222222 \times (22 + 2) - (22 + 22) \times (2 + 2)}{(2 + 2) \times 2} = \frac{333333 \times (33 + 3) - (33 + 33) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444444 \times (44 + 4) - (44 + 44) \times (4 + 4)}{(4 + 4) \times 4} = \frac{555555 \times (55 + 5) - (55 + 55) \times (5 + 5)}{(5 + 5) \times 5} = \frac{666666 \times (66 + 6) - (66 + 66) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777777 \times (77 + 7) - (77 + 77) \times (7 + 7)}{(7 + 7) \times 7} = \frac{888888 \times (88 + 8) - (88 + 88) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) - (99 + 99) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 645

$$\begin{aligned} &:= \frac{1111 - 11 - 11 - 1}{1 + 1} + \frac{1111}{11} = \frac{2222 - 22 - 22 - 2}{2 + 2} + \frac{2222}{22} = \frac{3333 - 33 - 33 - 3}{3 + 3} + \frac{3333}{33} \\ &:= \frac{4444 - 44 - 44 - 4}{4 + 4} + \frac{4444}{44} = \frac{5555 - 55 - 55 - 5}{5 + 5} + \frac{5555}{55} = \frac{6666 - 66 - 66 - 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{7777 - 77 - 77 - 7}{7 + 7} + \frac{7777}{77} = \frac{8888 - 88 - 88 - 8}{8 + 8} + \frac{8888}{88} = \frac{9999 - 99 - 99 - 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

5645

$$\begin{aligned} &:= \frac{11111 - 11 - 11 - 1}{1 + 1} + \frac{1111}{11} = \frac{22222 - 22 - 22 - 2}{2 + 2} + \frac{2222}{22} = \frac{33333 - 33 - 33 - 3}{3 + 3} + \frac{3333}{33} \\ &:= \frac{44444 - 44 - 44 - 4}{4 + 4} + \frac{4444}{44} = \frac{55555 - 55 - 55 - 5}{5 + 5} + \frac{5555}{55} = \frac{66666 - 66 - 66 - 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{77777 - 77 - 77 - 7}{7 + 7} + \frac{7777}{77} = \frac{88888 - 88 - 88 - 8}{8 + 8} + \frac{8888}{88} = \frac{99999 - 99 - 99 - 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

55645

$$\begin{aligned} &:= \frac{111111 - 11 - 11 - 1}{1 + 1} + \frac{1111}{11} = \frac{222222 - 22 - 22 - 2}{2 + 2} + \frac{2222}{22} = \frac{333333 - 33 - 33 - 3}{3 + 3} + \frac{3333}{33} \\ &:= \frac{444444 - 44 - 44 - 4}{4 + 4} + \frac{4444}{44} = \frac{555555 - 55 - 55 - 5}{5 + 5} + \frac{5555}{55} = \frac{666666 - 66 - 66 - 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{777777 - 77 - 77 - 7}{7 + 7} + \frac{7777}{77} = \frac{888888 - 88 - 88 - 8}{8 + 8} + \frac{8888}{88} = \frac{999999 - 99 - 99 - 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

555645

$$\begin{aligned} &:= \frac{1111111 - 11 - 11 - 1}{1 + 1} + \frac{1111}{11} = \frac{2222222 - 22 - 22 - 2}{2 + 2} + \frac{2222}{22} = \frac{3333333 - 33 - 33 - 3}{3 + 3} + \frac{3333}{33} \\ &:= \frac{4444444 - 44 - 44 - 4}{4 + 4} + \frac{4444}{44} = \frac{5555555 - 55 - 55 - 5}{5 + 5} + \frac{5555}{55} = \frac{6666666 - 66 - 66 - 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{7777777 - 77 - 77 - 7}{7 + 7} + \frac{7777}{77} = \frac{8888888 - 88 - 88 - 8}{8 + 8} + \frac{8888}{88} = \frac{9999999 - 99 - 99 - 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

► 646

$$\begin{aligned} &:= \frac{1111 - 11 - 11 + 1}{1 + 1} + \frac{1111}{11} = \frac{2222 - 22 - 22 + 2}{2 + 2} + \frac{2222}{22} = \frac{3333 - 33 - 33 + 3}{3 + 3} + \frac{3333}{33} \end{aligned}$$

$$\begin{aligned} &:= \frac{4444 - 44 - 44 + 4}{4 + 4} + \frac{4444}{44} = \frac{5555 - 55 - 55 + 5}{5 + 5} + \frac{5555}{55} = \frac{6666 - 66 - 66 + 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{7777 - 77 - 77 + 7}{7 + 7} + \frac{7777}{77} = \frac{8888 - 88 - 88 + 8}{8 + 8} + \frac{8888}{88} = \frac{9999 - 99 - 99 + 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

5646 := $\frac{11111 - 11 - 11 + 1}{1 + 1} + \frac{1111}{11} = \frac{22222 - 22 - 22 + 2}{2 + 2} + \frac{2222}{22} = \frac{33333 - 33 - 33 + 3}{3 + 3} + \frac{3333}{33}$

$$\begin{aligned} &:= \frac{44444 - 44 - 44 + 4}{4 + 4} + \frac{4444}{44} = \frac{55555 - 55 - 55 + 5}{5 + 5} + \frac{5555}{55} = \frac{66666 - 66 - 66 + 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{77777 - 77 - 77 + 7}{7 + 7} + \frac{7777}{77} = \frac{88888 - 88 - 88 + 8}{8 + 8} + \frac{8888}{88} = \frac{99999 - 99 - 99 + 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

55646 := $\frac{111111 - 11 - 11 + 1}{1 + 1} + \frac{1111}{11} = \frac{222222 - 22 - 22 + 2}{2 + 2} + \frac{2222}{22} = \frac{333333 - 33 - 33 + 3}{3 + 3} + \frac{3333}{33}$

$$\begin{aligned} &:= \frac{444444 - 44 - 44 + 4}{4 + 4} + \frac{4444}{44} = \frac{555555 - 55 - 55 + 5}{5 + 5} + \frac{5555}{55} = \frac{666666 - 66 - 66 + 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{777777 - 77 - 77 + 7}{7 + 7} + \frac{7777}{77} = \frac{888888 - 88 - 88 + 8}{8 + 8} + \frac{8888}{88} = \frac{999999 - 99 - 99 + 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

555646 := $\frac{1111111 - 11 - 11 + 1}{1 + 1} + \frac{1111}{11} = \frac{2222222 - 22 - 22 + 2}{2 + 2} + \frac{2222}{22} = \frac{3333333 - 33 - 33 + 3}{3 + 3} + \frac{3333}{33}$

$$\begin{aligned} &:= \frac{4444444 - 44 - 44 + 4}{4 + 4} + \frac{4444}{44} = \frac{5555555 - 55 - 55 + 5}{5 + 5} + \frac{5555}{55} = \frac{6666666 - 66 - 66 + 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{7777777 - 77 - 77 + 7}{7 + 7} + \frac{7777}{77} = \frac{8888888 - 88 - 88 + 8}{8 + 8} + \frac{8888}{88} = \frac{9999999 - 99 - 99 + 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

► **647** := $\frac{1111 + 111 - 1 - 1}{1 + 1} + \frac{111}{(1 + 1 + 1)} = \frac{2222 + 222 - 2 - 2}{2 + 2} + \frac{222}{(2 + 2 + 2)} = \frac{3333 + 333 - 3 - 3}{3 + 3} + \frac{333}{(3 + 3 + 3)}$

$$\begin{aligned} &:= \frac{4444 + 444 - 4 - 4}{4 + 4} + \frac{444}{(4 + 4 + 4)} = \frac{5555 + 555 - 5 - 5}{5 + 5} + \frac{555}{(5 + 5 + 5)} = \frac{6666 + 666 - 6 - 6}{6 + 6} + \frac{666}{(6 + 6 + 6)} \\ &:= \frac{7777 + 777 - 7 - 7}{7 + 7} + \frac{777}{(7 + 7 + 7)} = \frac{8888 + 888 - 8 - 8}{8 + 8} + \frac{888}{(8 + 8 + 8)} = \frac{9999 + 999 - 9 - 9}{9 + 9} + \frac{999}{(9 + 9 + 9)} \end{aligned}$$

5647 := $\frac{11111 + 111 - 1 - 1}{1 + 1} + \frac{111}{(1 + 1 + 1)} = \frac{22222 + 222 - 2 - 2}{2 + 2} + \frac{222}{(2 + 2 + 2)} = \frac{33333 + 333 - 3 - 3}{3 + 3} + \frac{333}{(3 + 3 + 3)}$

$$\begin{aligned} &:= \frac{44444 + 444 - 4 - 4}{4 + 4} + \frac{444}{(4 + 4 + 4)} = \frac{55555 + 555 - 5 - 5}{5 + 5} + \frac{555}{(5 + 5 + 5)} = \frac{66666 + 666 - 6 - 6}{6 + 6} + \frac{666}{(6 + 6 + 6)} \\ &:= \frac{77777 + 777 - 7 - 7}{7 + 7} + \frac{777}{(7 + 7 + 7)} = \frac{88888 + 888 - 8 - 8}{8 + 8} + \frac{888}{(8 + 8 + 8)} = \frac{99999 + 999 - 9 - 9}{9 + 9} + \frac{999}{(9 + 9 + 9)} \end{aligned}$$

55647 := $\frac{111111 + 111 - 1 - 1}{1 + 1} + \frac{111}{(1 + 1 + 1)} = \frac{222222 + 222 - 2 - 2}{2 + 2} + \frac{222}{(2 + 2 + 2)} = \frac{333333 + 333 - 3 - 3}{3 + 3} + \frac{333}{(3 + 3 + 3)}$

$$\begin{aligned} &:= \frac{444444 + 444 - 4 - 4}{4 + 4} + \frac{444}{(4 + 4 + 4)} = \frac{555555 + 555 - 5 - 5}{5 + 5} + \frac{555}{(5 + 5 + 5)} = \frac{666666 + 666 - 6 - 6}{6 + 6} + \frac{666}{(6 + 6 + 6)} \\ &:= \frac{777777 + 777 - 7 - 7}{7 + 7} + \frac{777}{(7 + 7 + 7)} = \frac{888888 + 888 - 8 - 8}{8 + 8} + \frac{888}{(8 + 8 + 8)} = \frac{999999 + 999 - 9 - 9}{9 + 9} + \frac{999}{(9 + 9 + 9)} \end{aligned}$$

555647

$$\begin{aligned} &:= \frac{1111111+111-1-1}{1+1} + \frac{111}{(1+1+1)} = \frac{2222222+222-2-2}{2+2} + \frac{222}{(2+2+2)} = \frac{3333333+333-3-3}{3+3} + \frac{333}{(3+3+3)} \\ &:= \frac{4444444+444-4-4}{4+4} + \frac{444}{(4+4+4)} = \frac{5555555+555-5-5}{5+5} + \frac{555}{(5+5+5)} = \frac{6666666+666-6-6}{6+6} + \frac{666}{(6+6+6)} \\ &:= \frac{7777777+777-7-7}{7+7} + \frac{777}{(7+7+7)} = \frac{8888888+888-8-8}{8+8} + \frac{888}{(8+8+8)} = \frac{9999999+999-9-9}{9+9} + \frac{999}{(9+9+9)} \end{aligned}$$

► 648

$$\begin{aligned} &:= \frac{1111+111}{1+1} + \frac{111}{1+1+1} = \frac{2222+222}{2+2} + \frac{222}{2+2+2} = \frac{3333+333}{3+3} + \frac{333}{3+3+3} \\ &:= \frac{4444+444}{4+4} + \frac{444}{4+4+4} = \frac{5555+555}{5+5} + \frac{555}{5+5+5} = \frac{6666+666}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{7777+777}{7+7} + \frac{777}{7+7+7} = \frac{8888+888}{8+8} + \frac{888}{8+8+8} = \frac{9999+999}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

5648

$$\begin{aligned} &:= \frac{11111+111}{1+1} + \frac{111}{1+1+1} = \frac{22222+222}{2+2} + \frac{222}{2+2+2} = \frac{33333+333}{3+3} + \frac{333}{3+3+3} \\ &:= \frac{44444+444}{4+4} + \frac{444}{4+4+4} = \frac{55555+555}{5+5} + \frac{555}{5+5+5} = \frac{66666+666}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{77777+777}{7+7} + \frac{777}{7+7+7} = \frac{88888+888}{8+8} + \frac{888}{8+8+8} = \frac{99999+999}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

55648

$$\begin{aligned} &:= \frac{111111+111}{1+1} + \frac{111}{1+1+1} = \frac{222222+222}{2+2} + \frac{222}{2+2+2} = \frac{333333+333}{3+3} + \frac{333}{3+3+3} \\ &:= \frac{444444+444}{4+4} + \frac{444}{4+4+4} = \frac{555555+555}{5+5} + \frac{555}{5+5+5} = \frac{666666+666}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{777777+777}{7+7} + \frac{777}{7+7+7} = \frac{888888+888}{8+8} + \frac{888}{8+8+8} = \frac{999999+999}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

555648

$$\begin{aligned} &:= \frac{1111111+111}{1+1} + \frac{111}{1+1+1} = \frac{2222222+222}{2+2} + \frac{222}{2+2+2} = \frac{3333333+333}{3+3} + \frac{333}{3+3+3} \\ &:= \frac{4444444+444}{4+4} + \frac{444}{4+4+4} = \frac{5555555+555}{5+5} + \frac{555}{5+5+5} = \frac{6666666+666}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{7777777+777}{7+7} + \frac{777}{7+7+7} = \frac{8888888+888}{8+8} + \frac{888}{8+8+8} = \frac{9999999+999}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

► 649

$$\begin{aligned} &:= \frac{1111+111+1+1}{1+1} + \frac{111}{1+1+1} = \frac{2222+222+2+2}{2+2} + \frac{222}{2+2+2} = \frac{3333+333+3+3}{3+3} + \frac{333}{3+3+3} \\ &:= \frac{4444+444+4+4}{4+4} + \frac{444}{4+4+4} = \frac{5555+555+5+5}{5+5} + \frac{555}{5+5+5} = \frac{6666+666+6+6}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{7777+777+7+7}{7+7} + \frac{777}{7+7+7} = \frac{8888+888+8+8}{8+8} + \frac{888}{8+8+8} = \frac{9999+999+9+9}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

5649

$$\begin{aligned} &:= \frac{11111+111+1+1}{1+1} + \frac{111}{1+1+1} = \frac{22222+222+2+2}{2+2} + \frac{222}{2+2+2} = \frac{33333+333+3+3}{3+3} + \frac{333}{3+3+3} \\ &:= \frac{44444+444+4+4}{4+4} + \frac{444}{4+4+4} = \frac{55555+555+5+5}{5+5} + \frac{555}{5+5+5} = \frac{66666+666+6+6}{6+6} + \frac{666}{6+6+6} \end{aligned}$$

$$:= \frac{77777+777+7+7}{7+7} + \frac{777}{7+7+7} = \frac{88888+888+8+8}{8+8} + \frac{888}{8+8+8} = \frac{99999+999+9+9}{9+9} + \frac{999}{9+9+9}$$

$$\begin{aligned} \textcolor{red}{55649} &:= \frac{111111+111+1+1}{1+1} + \frac{111}{1+1+1} = \frac{222222+222+2+2}{2+2} + \frac{222}{2+2+2} = \frac{333333+333+3+3}{3+3} + \frac{333}{3+3+3} \\ &:= \frac{444444+444+4+4}{4+4} + \frac{444}{4+4+4} = \frac{555555+555+5+5}{5+5} + \frac{555}{5+5+5} = \frac{666666+666+6+6}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{777777+777+7+7}{7+7} + \frac{777}{7+7+7} = \frac{888888+888+8+8}{8+8} + \frac{888}{8+8+8} = \frac{999999+999+9+9}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555649} &:= \frac{1111111+111+1+1}{1+1} + \frac{111}{1+1+1} = \frac{2222222+222+2+2}{2+2} + \frac{222}{2+2+2} = \frac{3333333+333+3+3}{3+3} + \frac{333}{3+3+3} \\ &:= \frac{4444444+444+4+4}{4+4} + \frac{444}{4+4+4} = \frac{5555555+555+5+5}{5+5} + \frac{555}{5+5+5} = \frac{6666666+666+6+6}{6+6} + \frac{666}{6+6+6} \\ &:= \frac{7777777+777+7+7}{7+7} + \frac{777}{7+7+7} = \frac{8888888+888+8+8}{8+8} + \frac{888}{8+8+8} = \frac{9999999+999+9+9}{9+9} + \frac{999}{9+9+9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{650} &:= \frac{1111-11-1-1}{1+1} + \frac{1111}{11} = \frac{2222-22-2-2}{2+2} + \frac{2222}{22} = \frac{3333-33-3-3}{3+3} + \frac{3333}{33} \\ &:= \frac{4444-44-4-4}{4+4} + \frac{4444}{44} = \frac{5555-55-5-5}{5+5} + \frac{5555}{55} = \frac{6666-66-6-6}{6+6} + \frac{6666}{66} \\ &:= \frac{7777-77-7-7}{7+7} + \frac{7777}{77} = \frac{8888-88-8-8}{8+8} + \frac{8888}{88} = \frac{9999-99-9-9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5650} &:= \frac{11111-11-1-1}{1+1} + \frac{1111}{11} = \frac{22222-22-2-2}{2+2} + \frac{2222}{22} = \frac{33333-33-3-3}{3+3} + \frac{3333}{33} \\ &:= \frac{44444-44-4-4}{4+4} + \frac{4444}{44} = \frac{55555-55-5-5}{5+5} + \frac{5555}{55} = \frac{66666-66-6-6}{6+6} + \frac{6666}{66} \\ &:= \frac{77777-77-7-7}{7+7} + \frac{7777}{77} = \frac{88888-88-8-8}{8+8} + \frac{8888}{88} = \frac{99999-99-9-9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55650} &:= \frac{111111-11-1-1}{1+1} + \frac{1111}{11} = \frac{222222-22-2-2}{2+2} + \frac{2222}{22} = \frac{333333-33-3-3}{3+3} + \frac{3333}{33} \\ &:= \frac{444444-44-4-4}{4+4} + \frac{4444}{44} = \frac{555555-55-5-5}{5+5} + \frac{5555}{55} = \frac{666666-66-6-6}{6+6} + \frac{6666}{66} \\ &:= \frac{777777-77-7-7}{7+7} + \frac{7777}{77} = \frac{888888-88-8-8}{8+8} + \frac{8888}{88} = \frac{999999-99-9-9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555650} &:= \frac{1111111-11-1-1}{1+1} + \frac{1111}{11} = \frac{2222222-22-2-2}{2+2} + \frac{2222}{22} = \frac{3333333-33-3-3}{3+3} + \frac{3333}{33} \\ &:= \frac{4444444-44-4-4}{4+4} + \frac{4444}{44} = \frac{5555555-55-5-5}{5+5} + \frac{5555}{55} = \frac{6666666-66-6-6}{6+6} + \frac{6666}{66} \\ &:= \frac{7777777-77-7-7}{7+7} + \frac{7777}{77} = \frac{8888888-88-8-8}{8+8} + \frac{8888}{88} = \frac{9999999-99-9-9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{651} := \frac{1111-11}{1+1} + \frac{1111}{11} = \frac{2222-22}{2+2} + \frac{2222}{22} = \frac{3333-33}{3+3} + \frac{3333}{33}$$

$$\begin{aligned} &:= \frac{4444-44}{4+4} + \frac{4444}{44} = \frac{5555-55}{5+5} + \frac{5555}{55} = \frac{6666-66}{6+6} + \frac{6666}{66} \\ &:= \frac{7777-77}{7+7} + \frac{7777}{77} = \frac{8888-88}{8+8} + \frac{8888}{88} = \frac{9999-99}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5651} &:= \frac{11111-11}{1+1} + \frac{1111}{11} = \frac{22222-22}{2+2} + \frac{2222}{22} = \frac{33333-33}{3+3} + \frac{3333}{33} \\ &:= \frac{44444-44}{4+4} + \frac{4444}{44} = \frac{55555-55}{5+5} + \frac{5555}{55} = \frac{66666-66}{6+6} + \frac{6666}{66} \\ &:= \frac{77777-77}{7+7} + \frac{7777}{77} = \frac{88888-88}{8+8} + \frac{8888}{88} = \frac{99999-99}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55651} &:= \frac{111111-11}{1+1} + \frac{1111}{11} = \frac{222222-22}{2+2} + \frac{2222}{22} = \frac{333333-33}{3+3} + \frac{3333}{33} \\ &:= \frac{444444-44}{4+4} + \frac{4444}{44} = \frac{555555-55}{5+5} + \frac{5555}{55} = \frac{666666-66}{6+6} + \frac{6666}{66} \\ &:= \frac{777777-77}{7+7} + \frac{7777}{77} = \frac{888888-88}{8+8} + \frac{8888}{88} = \frac{999999-99}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{555651} &:= \frac{1111111-11}{1+1} + \frac{1111}{11} = \frac{2222222-22}{2+2} + \frac{2222}{22} = \frac{3333333-33}{3+3} + \frac{3333}{33} \\ &:= \frac{4444444-44}{4+4} + \frac{4444}{44} = \frac{5555555-55}{5+5} + \frac{5555}{55} = \frac{6666666-66}{6+6} + \frac{6666}{66} \\ &:= \frac{7777777-77}{7+7} + \frac{7777}{77} = \frac{8888888-88}{8+8} + \frac{8888}{88} = \frac{9999999-99}{9+9} + \frac{9999}{99} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{652} &:= \frac{1111-11+1+1}{1+1} + \frac{1111}{11} = \frac{2222-22+2+2}{2+2} + \frac{2222}{22} = \frac{3333-33+3+3}{3+3} + \frac{3333}{33} \\ &:= \frac{4444-44+4+4}{4+4} + \frac{4444}{44} = \frac{5555-55+5+5}{5+5} + \frac{5555}{55} = \frac{6666-66+6+6}{6+6} + \frac{6666}{66} \\ &:= \frac{7777-77+7+7}{7+7} + \frac{7777}{77} = \frac{8888-88+8+8}{8+8} + \frac{8888}{88} = \frac{9999-99+9+9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{5652} &:= \frac{11111-11+1+1}{1+1} + \frac{1111}{11} = \frac{22222-22+2+2}{2+2} + \frac{2222}{22} = \frac{33333-33+3+3}{3+3} + \frac{3333}{33} \\ &:= \frac{44444-44+4+4}{4+4} + \frac{4444}{44} = \frac{55555-55+5+5}{5+5} + \frac{5555}{55} = \frac{66666-66+6+6}{6+6} + \frac{6666}{66} \\ &:= \frac{77777-77+7+7}{7+7} + \frac{7777}{77} = \frac{88888-88+8+8}{8+8} + \frac{8888}{88} = \frac{99999-99+9+9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{55652} &:= \frac{111111-11+1+1}{1+1} + \frac{1111}{11} = \frac{222222-22+2+2}{2+2} + \frac{2222}{22} = \frac{333333-33+3+3}{3+3} + \frac{3333}{33} \\ &:= \frac{444444-44+4+4}{4+4} + \frac{4444}{44} = \frac{555555-55+5+5}{5+5} + \frac{5555}{55} = \frac{666666-66+6+6}{6+6} + \frac{6666}{66} \\ &:= \frac{777777-77+7+7}{7+7} + \frac{7777}{77} = \frac{888888-88+8+8}{8+8} + \frac{8888}{88} = \frac{999999-99+9+9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \mathbf{555652} &:= \frac{1111111 - 11 + 1 + 1}{1 + 1} + \frac{1111}{11} = \frac{2222222 - 22 + 2 + 2}{2 + 2} + \frac{2222}{22} = \frac{3333333 - 33 + 3 + 3}{3 + 3} + \frac{3333}{33} \\ &:= \frac{4444444 - 44 + 4 + 4}{4 + 4} + \frac{4444}{44} = \frac{5555555 - 55 + 5 + 5}{5 + 5} + \frac{5555}{55} = \frac{6666666 - 66 + 6 + 6}{6 + 6} + \frac{6666}{66} \\ &:= \frac{7777777 - 77 + 7 + 7}{7 + 7} + \frac{7777}{77} = \frac{8888888 - 88 + 8 + 8}{8 + 8} + \frac{8888}{88} = \frac{9999999 - 99 + 9 + 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{653} &: \frac{(111 - 1 - 1) \times (11 + 1) - 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 2 - 2) \times (22 + 2) - 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 3 - 3) \times (33 + 3) - 3 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 - 4 - 4) \times (44 + 4) - 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 5 - 5) \times (55 + 5) - 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 6 - 6) \times (66 + 6) - 6 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 - 7 - 7) \times (77 + 7) - 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 8 - 8) \times (88 + 8) - 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 9 - 9) \times (99 + 9) - 9 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{6653} &:= \frac{(1111 - 1 - 1) \times (11 + 1) - 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 - 2 - 2) \times (22 + 2) - 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 - 3 - 3) \times (33 + 3) - 3 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 - 4 - 4) \times (44 + 4) - 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 - 5 - 5) \times (55 + 5) - 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 - 6 - 6) \times (66 + 6) - 6 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 - 7 - 7) \times (77 + 7) - 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 - 8 - 8) \times (88 + 8) - 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 - 9 - 9) \times (99 + 9) - 9 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{66653} &:= \frac{(11111 - 1 - 1) \times (11 + 1) - 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 - 2 - 2) \times (22 + 2) - 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 - 3 - 3) \times (33 + 3) - 3 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 - 4 - 4) \times (44 + 4) - 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 - 5 - 5) \times (55 + 5) - 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 - 6 - 6) \times (66 + 6) - 6 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 - 7 - 7) \times (77 + 7) - 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 - 8 - 8) \times (88 + 8) - 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 - 9 - 9) \times (99 + 9) - 9 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{666653} &:= \frac{(111111 - 1 - 1) \times (11 + 1) - 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 - 2 - 2) \times (22 + 2) - 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 - 3 - 3) \times (33 + 3) - 3 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 - 4 - 4) \times (44 + 4) - 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 - 5 - 5) \times (55 + 5) - 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 - 6 - 6) \times (66 + 6) - 6 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 - 7 - 7) \times (77 + 7) - 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 8 - 8) \times (88 + 8) - 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 9 - 9) \times (99 + 9) - 9 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{654} &:= \frac{(111 - 1 - 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(222 - 2 - 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(333 - 3 - 3) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 - 4 - 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(555 - 5 - 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(666 - 6 - 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 - 7 - 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(888 - 8 - 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(999 - 9 - 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\mathbf{6654} := \frac{(1111 - 1 - 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(2222 - 2 - 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(3333 - 3 - 3) \times (33 + 3)}{(3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(4444 - 4 - 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(5555 - 5 - 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(6666 - 6 - 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 - 7 - 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(8888 - 8 - 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(9999 - 9 - 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{66654} &:= \frac{(11111 - 1 - 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(22222 - 2 - 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(33333 - 3 - 3) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 - 4 - 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(55555 - 5 - 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(66666 - 6 - 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 - 7 - 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(88888 - 8 - 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(99999 - 9 - 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{666654} &:= \frac{(111111 - 1 - 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(222222 - 2 - 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(333333 - 3 - 3) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 - 4 - 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(555555 - 5 - 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(666666 - 6 - 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 - 7 - 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 8 - 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 9 - 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{655} &:= \frac{111 \times (11 + 1) - 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{222 \times (22 + 2) - 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{333 \times (33 + 3) - 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444 \times (44 + 4) - 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{555 \times (55 + 5) - 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{666 \times (66 + 6) - 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777 \times (77 + 7) - 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{888 \times (88 + 8) - 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) - 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{6655} &:= \frac{1111 \times (11 + 1) - 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{2222 \times (22 + 2) - 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{3333 \times (33 + 3) - 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{4444 \times (44 + 4) - 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{5555 \times (55 + 5) - 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{6666 \times (66 + 6) - 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{7777 \times (77 + 7) - 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{8888 \times (88 + 8) - 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) - 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{66655} &:= \frac{11111 \times (11 + 1) - 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2) - 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3) - 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{44444 \times (44 + 4) - 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5) - 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6) - 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7) - 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8) - 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) - 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{666655} &:= \frac{111111 \times (11 + 1) - 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{222222 \times (22 + 2) - 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{333333 \times (33 + 3) - 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444444 \times (44 + 4) - 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{555555 \times (55 + 5) - 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{666666 \times (66 + 6) - 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777777 \times (77 + 7) - 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{888888 \times (88 + 8) - 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) - 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

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656

$$\begin{aligned} &:= \frac{111 \times (11 + 1) - (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{222 \times (22 + 2) - (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{333 \times (33 + 3) - (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444 \times (44 + 4) - (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{555 \times (55 + 5) - (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{666 \times (66 + 6) - (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777 \times (77 + 7) - (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{888 \times (88 + 8) - (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) - (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6656

$$\begin{aligned} &:= \frac{1111 \times (11 + 1) - (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{2222 \times (22 + 2) - (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{3333 \times (33 + 3) - (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{4444 \times (44 + 4) - (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{5555 \times (55 + 5) - (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{6666 \times (66 + 6) - (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{7777 \times (77 + 7) - (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{8888 \times (88 + 8) - (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) - (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66656

$$\begin{aligned} &:= \frac{11111 \times (11 + 1) - (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2) - (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3) - (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{44444 \times (44 + 4) - (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5) - (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6) - (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7) - (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8) - (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) - (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666656

$$\begin{aligned} &:= \frac{111111 \times (11 + 1) - (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{222222 \times (22 + 2) - (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{333333 \times (33 + 3) - (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444444 \times (44 + 4) - (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{555555 \times (55 + 5) - (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{666666 \times (66 + 6) - (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777777 \times (77 + 7) - (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{888888 \times (88 + 8) - (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) - (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

►

657

$$\begin{aligned} &:= \frac{111 \times (11 + 1) - (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{222 \times (22 + 2) - (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{333 \times (33 + 3) - (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444 \times (44 + 4) - (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{555 \times (55 + 5) - (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{666 \times (66 + 6) - (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777 \times (77 + 7) - (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{888 \times (88 + 8) - (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) - (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6657

$$\begin{aligned} &:= \frac{1111 \times (11 + 1) - (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{2222 \times (22 + 2) - (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{3333 \times (33 + 3) - (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{4444 \times (44 + 4) - (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{5555 \times (55 + 5) - (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{6666 \times (66 + 6) - (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{7777 \times (77 + 7) - (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{8888 \times (88 + 8) - (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) - (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66657

$$\begin{aligned} &:= \frac{11111 \times (11 + 1) - (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2) - (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3) - (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{44444 \times (44 + 4) - (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5) - (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6) - (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7) - (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8) - (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) - (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{666657} &:= \frac{111111 \times (11 + 1) - (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{222222 \times (22 + 2) - (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{333333 \times (33 + 3) - (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444444 \times (44 + 4) - (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{555555 \times (55 + 5) - (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{666666 \times (66 + 6) - (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777777 \times (77 + 7) - (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{888888 \times (88 + 8) - (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) - (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{658} &:= \frac{(111 + 11) \times 11 - (11 + 1 + 1) \times (1 + 1)}{(1 + 1) \times 1} := \frac{(222 + 22) \times 22 - (22 + 2 + 2) \times (2 + 2)}{(2 + 2) \times 2} := \frac{(333 + 33) \times 33 - (33 + 3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times 44 - (44 + 4 + 4) \times (4 + 4)}{(4 + 4) \times 4} := \frac{(555 + 55) \times 55 - (55 + 5 + 5) \times (5 + 5)}{(5 + 5) \times 5} := \frac{(666 + 66) \times 66 - (66 + 6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times 77 - (77 + 7 + 7) \times (7 + 7)}{(7 + 7) \times 7} := \frac{(888 + 88) \times 88 - (88 + 8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times 99 - (99 + 9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6758} &:= \frac{(111 + 11) \times 111 - (11 + 1 + 1) \times (1 + 1)}{(1 + 1) \times 1} := \frac{(222 + 22) \times 222 - (22 + 2 + 2) \times (2 + 2)}{(2 + 2) \times 2} := \frac{(333 + 33) \times 333 - (33 + 3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times 444 - (44 + 4 + 4) \times (4 + 4)}{(4 + 4) \times 4} := \frac{(555 + 55) \times 555 - (55 + 5 + 5) \times (5 + 5)}{(5 + 5) \times 5} := \frac{(666 + 66) \times 666 - (66 + 6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times 777 - (77 + 7 + 7) \times (7 + 7)}{(7 + 7) \times 7} := \frac{(888 + 88) \times 888 - (88 + 8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times 999 - (99 + 9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{67758} &:= \frac{(111 + 11) \times 1111 - (11 + 1 + 1) \times (1 + 1)}{(1 + 1) \times 1} := \frac{(222 + 22) \times 2222 - (22 + 2 + 2) \times (2 + 2)}{(2 + 2) \times 2} := \frac{(333 + 33) \times 3333 - (33 + 3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times 4444 - (44 + 4 + 4) \times (4 + 4)}{(4 + 4) \times 4} := \frac{(555 + 55) \times 5555 - (55 + 5 + 5) \times (5 + 5)}{(5 + 5) \times 5} := \frac{(666 + 66) \times 6666 - (66 + 6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times 7777 - (77 + 7 + 7) \times (7 + 7)}{(7 + 7) \times 7} := \frac{(888 + 88) \times 8888 - (88 + 8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times 9999 - (99 + 9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{677758} &:= \frac{(111 + 11) \times 11111 - (11 + 1 + 1) \times (1 + 1)}{(1 + 1) \times 1} := \frac{(222 + 22) \times 22222 - (22 + 2 + 2) \times (2 + 2)}{(2 + 2) \times 2} := \frac{(333 + 33) \times 33333 - (33 + 3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times 44444 - (44 + 4 + 4) \times (4 + 4)}{(4 + 4) \times 4} := \frac{(555 + 55) \times 55555 - (55 + 5 + 5) \times (5 + 5)}{(5 + 5) \times 5} := \frac{(666 + 66) \times 66666 - (66 + 6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times 77777 - (77 + 7 + 7) \times (7 + 7)}{(7 + 7) \times 7} := \frac{(888 + 88) \times 88888 - (88 + 8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times 99999 - (99 + 9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

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659

$$\begin{aligned} &:= \frac{1111-11-1-1}{1+1} + \frac{111-1}{1} := \frac{2222-22-2-2}{2+2} + \frac{222-2}{2} := \frac{3333-33-3-3}{3+3} + \frac{333-3}{3} \\ &::= \frac{4444-44-4-4}{4+4} + \frac{444-4}{4} := \frac{5555-55-5-5}{5+5} + \frac{555-5}{5} := \frac{6666-66-6-6}{6+6} + \frac{666-6}{6} \\ &::= \frac{7777-77-7-7}{7+7} + \frac{777-7}{7} := \frac{8888-88-8-8}{8+8} + \frac{888-8}{8} = \frac{9999-99-9-9}{9+9} + \frac{999-9}{9} \end{aligned}$$

5659

$$\begin{aligned} &:= \frac{11111-11-1-1}{1+1} + \frac{111-1}{1} := \frac{22222-22-2-2}{2+2} + \frac{222-2}{2} := \frac{33333-33-3-3}{3+3} + \frac{333-3}{3} \\ &::= \frac{44444-44-4-4}{4+4} + \frac{444-4}{4} := \frac{55555-55-5-5}{5+5} + \frac{555-5}{5} := \frac{66666-66-6-6}{6+6} + \frac{666-6}{6} \\ &::= \frac{77777-77-7-7}{7+7} + \frac{777-7}{7} := \frac{88888-88-8-8}{8+8} + \frac{888-8}{8} = \frac{99999-99-9-9}{9+9} + \frac{999-9}{9} \end{aligned}$$

55659

$$\begin{aligned} &:= \frac{111111-11-1-1}{1+1} + \frac{111-1}{1} := \frac{222222-22-2-2}{2+2} + \frac{222-2}{2} := \frac{333333-33-3-3}{3+3} + \frac{333-3}{3} \\ &::= \frac{444444-44-4-4}{4+4} + \frac{444-4}{4} := \frac{555555-55-5-5}{5+5} + \frac{555-5}{5} := \frac{666666-66-6-6}{6+6} + \frac{666-6}{6} \\ &::= \frac{777777-77-7-7}{7+7} + \frac{777-7}{7} := \frac{888888-88-8-8}{8+8} + \frac{888-8}{8} = \frac{999999-99-9-9}{9+9} + \frac{999-9}{9} \end{aligned}$$

555659

$$\begin{aligned} &:= \frac{1111111-11-1-1}{1+1} + \frac{111-1}{1} := \frac{2222222-22-2-2}{2+2} + \frac{222-2}{2} := \frac{3333333-33-3-3}{3+3} + \frac{333-3}{3} \\ &::= \frac{4444444-44-4-4}{4+4} + \frac{444-4}{4} := \frac{5555555-55-5-5}{5+5} + \frac{555-5}{5} := \frac{6666666-66-6-6}{6+6} + \frac{666-6}{6} \\ &::= \frac{7777777-77-7-7}{7+7} + \frac{777-7}{7} := \frac{8888888-88-8-8}{8+8} + \frac{888-8}{8} = \frac{9999999-99-9-9}{9+9} + \frac{999-9}{9} \end{aligned}$$

►

660

$$\begin{aligned} &:= \frac{1111-11}{1+1} + \frac{111-1}{1} := \frac{2222-22}{2+2} + \frac{222-2}{2} := \frac{3333-33}{3+3} + \frac{333-3}{3} \\ &::= \frac{4444-44}{4+4} + \frac{444-4}{4} := \frac{5555-55}{5+5} + \frac{555-5}{5} := \frac{6666-66}{6+6} + \frac{666-6}{6} \\ &::= \frac{7777-77}{7+7} + \frac{777-7}{7} := \frac{8888-88}{8+8} + \frac{888-8}{8} = \frac{9999-99}{9+9} + \frac{999-9}{9} \end{aligned}$$

5660

$$\begin{aligned} &:= \frac{11111-11}{1+1} + \frac{111-1}{1} := \frac{22222-22}{2+2} + \frac{222-2}{2} := \frac{33333-33}{3+3} + \frac{333-3}{3} \\ &::= \frac{44444-44}{4+4} + \frac{444-4}{4} := \frac{55555-55}{5+5} + \frac{555-5}{5} := \frac{66666-66}{6+6} + \frac{666-6}{6} \\ &::= \frac{77777-77}{7+7} + \frac{777-7}{7} := \frac{88888-88}{8+8} + \frac{888-8}{8} = \frac{99999-99}{9+9} + \frac{999-9}{9} \end{aligned}$$

55660

$$\begin{aligned} &:= \frac{111111-11}{1+1} + \frac{111-1}{1} := \frac{222222-22}{2+2} + \frac{222-2}{2} := \frac{333333-33}{3+3} + \frac{333-3}{3} \\ &::= \frac{444444-44}{4+4} + \frac{444-4}{4} := \frac{555555-55}{5+5} + \frac{555-5}{5} := \frac{666666-66}{6+6} + \frac{666-6}{6} \\ &::= \frac{777777-77}{7+7} + \frac{777-7}{7} := \frac{888888-88}{8+8} + \frac{888-8}{8} = \frac{999999-99}{9+9} + \frac{999-9}{9} \end{aligned}$$

555660

$$\begin{aligned} &:= \frac{1111111-11}{1+1} + \frac{111-1}{1} := \frac{2222222-22}{2+2} + \frac{222-2}{2} := \frac{3333333-33}{3+3} + \frac{333-3}{3} \\ &::= \frac{4444444-44}{4+4} + \frac{444-4}{4} := \frac{5555555-55}{5+5} + \frac{555-5}{5} := \frac{6666666-66}{6+6} + \frac{666-6}{6} \\ &::= \frac{7777777-77}{7+7} + \frac{777-7}{7} := \frac{8888888-88}{8+8} + \frac{888-8}{8} = \frac{9999999-99}{9+9} + \frac{999-9}{9} \end{aligned}$$

► 661

$$\begin{aligned} &:= \frac{1111-11+1+1}{1+1} + \frac{111-1}{1} := \frac{2222-22+2+2}{2+2} + \frac{222-2}{2} := \frac{3333-33+3+3}{3+3} + \frac{333-3}{3} \\ &::= \frac{4444-44+4+4}{4+4} + \frac{444-4}{4} := \frac{5555-55+5+5}{5+5} + \frac{555-5}{5} := \frac{6666-66+6+6}{6+6} + \frac{666-6}{6} \\ &::= \frac{7777-77+7+7}{7+7} + \frac{777-7}{7} := \frac{8888-88+8+8}{8+8} + \frac{888-8}{8} = \frac{9999-99+9+9}{9+9} + \frac{999-9}{9} \end{aligned}$$

5661

$$\begin{aligned} &:= \frac{11111-11+1+1}{1+1} + \frac{111-1}{1} := \frac{22222-22+2+2}{2+2} + \frac{222-2}{2} := \frac{33333-33+3+3}{3+3} + \frac{333-3}{3} \\ &::= \frac{44444-44+4+4}{4+4} + \frac{444-4}{4} := \frac{55555-55+5+5}{5+5} + \frac{555-5}{5} := \frac{66666-66+6+6}{6+6} + \frac{666-6}{6} \\ &::= \frac{77777-77+7+7}{7+7} + \frac{777-7}{7} := \frac{88888-88+8+8}{8+8} + \frac{888-8}{8} = \frac{99999-99+9+9}{9+9} + \frac{999-9}{9} \end{aligned}$$

55661

$$\begin{aligned} &:= \frac{111111-11+1+1}{1+1} + \frac{111-1}{1} := \frac{222222-22+2+2}{2+2} + \frac{222-2}{2} := \frac{333333-33+3+3}{3+3} + \frac{333-3}{3} \\ &::= \frac{444444-44+4+4}{4+4} + \frac{444-4}{4} := \frac{555555-55+5+5}{5+5} + \frac{555-5}{5} := \frac{666666-66+6+6}{6+6} + \frac{666-6}{6} \\ &::= \frac{777777-77+7+7}{7+7} + \frac{777-7}{7} := \frac{888888-88+8+8}{8+8} + \frac{888-8}{8} = \frac{999999-99+9+9}{9+9} + \frac{999-9}{9} \end{aligned}$$

555661

$$\begin{aligned} &:= \frac{1111111-11+1+1}{1+1} + \frac{111-1}{1} := \frac{2222222-22+2+2}{2+2} + \frac{222-2}{2} := \frac{3333333-33+3+3}{3+3} + \frac{333-3}{3} \\ &::= \frac{4444444-44+4+4}{4+4} + \frac{444-4}{4} := \frac{5555555-55+5+5}{5+5} + \frac{555-5}{5} := \frac{6666666-66+6+6}{6+6} + \frac{666-6}{6} \\ &::= \frac{7777777-77+7+7}{7+7} + \frac{777-7}{7} := \frac{8888888-88+8+8}{8+8} + \frac{888-8}{8} = \frac{9999999-99+9+9}{9+9} + \frac{999-9}{9} \end{aligned}$$

► 662

$$\begin{aligned} &:= \frac{1111+11}{1+1} + \frac{1111}{11} := \frac{2222+22}{2+2} + \frac{2222}{22} := \frac{3333+33}{3+3} + \frac{3333}{33} \\ &::= \frac{4444+44}{4+4} + \frac{4444}{44} := \frac{5555+55}{5+5} + \frac{5555}{55} := \frac{6666+66}{6+6} + \frac{6666}{66} \\ &::= \frac{7777+77}{7+7} + \frac{7777}{77} := \frac{8888+88}{8+8} + \frac{8888}{88} = \frac{9999+99}{9+9} + \frac{9999}{99} \end{aligned}$$

5662

$$:= \frac{11111+11}{1+1} + \frac{1111}{11} := \frac{22222+22}{2+2} + \frac{2222}{22} := \frac{33333+33}{3+3} + \frac{3333}{33}$$

$$\begin{aligned} &::= \frac{44444+44}{4+4} + \frac{4444}{44} := \frac{55555+55}{5+5} + \frac{5555}{55} := \frac{66666+66}{6+6} + \frac{6666}{66} \\ &::= \frac{77777+77}{7+7} + \frac{7777}{77} := \frac{88888+88}{8+8} + \frac{8888}{88} = \frac{99999+99}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\textcolor{red}{55662} := \frac{111111+11}{1+1} + \frac{1111}{11} := \frac{222222+22}{2+2} + \frac{2222}{22} := \frac{333333+33}{3+3} + \frac{3333}{33}$$

$$\begin{aligned} &::= \frac{444444+44}{4+4} + \frac{4444}{44} := \frac{555555+55}{5+5} + \frac{5555}{55} := \frac{666666+66}{6+6} + \frac{6666}{66} \\ &::= \frac{777777+77}{7+7} + \frac{7777}{77} := \frac{888888+88}{8+8} + \frac{8888}{88} = \frac{999999+99}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\textcolor{red}{555662} := \frac{1111111+11}{1+1} + \frac{1111}{11} := \frac{2222222+22}{2+2} + \frac{2222}{22} := \frac{3333333+33}{3+3} + \frac{3333}{33}$$

$$\begin{aligned} &::= \frac{4444444+44}{4+4} + \frac{4444}{44} := \frac{5555555+55}{5+5} + \frac{5555}{55} := \frac{6666666+66}{6+6} + \frac{6666}{66} \\ &::= \frac{7777777+77}{7+7} + \frac{7777}{77} := \frac{8888888+88}{8+8} + \frac{8888}{88} = \frac{9999999+99}{9+9} + \frac{9999}{99} \end{aligned}$$

►

$$\textcolor{red}{663} := \frac{1111+11+1+1}{1+1} + \frac{1111}{11} := \frac{2222+22+2+2}{2+2} + \frac{2222}{22} := \frac{3333+33+3+3}{3+3} + \frac{3333}{33}$$

$$\begin{aligned} &::= \frac{4444+44+4+4}{4+4} + \frac{4444}{44} := \frac{5555+55+5+5}{5+5} + \frac{5555}{55} := \frac{6666+66+6+6}{6+6} + \frac{6666}{66} \\ &::= \frac{7777+77+7+7}{7+7} + \frac{7777}{77} := \frac{8888+88+8+8}{8+8} + \frac{8888}{88} = \frac{9999+99+9+9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\textcolor{red}{5663} := \frac{11111+11+1+1}{1+1} + \frac{1111}{11} := \frac{22222+22+2+2}{2+2} + \frac{2222}{22} := \frac{33333+33+3+3}{3+3} + \frac{3333}{33}$$

$$\begin{aligned} &::= \frac{44444+44+4+4}{4+4} + \frac{4444}{44} := \frac{55555+55+5+5}{5+5} + \frac{5555}{55} := \frac{66666+66+6+6}{6+6} + \frac{6666}{66} \\ &::= \frac{77777+77+7+7}{7+7} + \frac{7777}{77} := \frac{88888+88+8+8}{8+8} + \frac{8888}{88} = \frac{99999+99+9+9}{9+9} + \frac{9999}{99} \end{aligned}$$

$$\textcolor{red}{55663} := \frac{111111+11+1+1}{1+1} + \frac{1111}{11} := \frac{222222+22+2+2}{2+2} + \frac{2222}{22} := \frac{333333+33+3+3}{3+3} + \frac{3333}{33}$$

$$\begin{aligned} &::= \frac{444444+44+4+4}{4+4} + \frac{4444}{44} := \frac{555555+55+5+5}{5+5} + \frac{5555}{55} := \frac{666666+66+6+6}{6+6} + \frac{6666}{66} \\ &::= \frac{777777+77+7+7}{7+7} + \frac{7777}{77} := \frac{888888+88+8+8}{8+8} + \frac{8888}{88} = \frac{999999+99+9+9}{9+9} + \frac{9999}{99} \end{aligned}$$

555663

$$\begin{aligned} &:= \frac{1111111 + 11 + 1 + 1}{1 + 1} + \frac{1111}{11} := \frac{2222222 + 22 + 2 + 2}{2 + 2} + \frac{2222}{22} := \frac{3333333 + 33 + 3 + 3}{3 + 3} + \frac{3333}{33} \\ &::= \frac{4444444 + 44 + 4 + 4}{4 + 4} + \frac{4444}{44} := \frac{5555555 + 55 + 5 + 5}{5 + 5} + \frac{5555}{55} := \frac{6666666 + 66 + 6 + 6}{6 + 6} + \frac{6666}{66} \\ &::= \frac{7777777 + 77 + 7 + 7}{7 + 7} + \frac{7777}{77} := \frac{8888888 + 88 + 8 + 8}{8 + 8} + \frac{8888}{88} = \frac{9999999 + 99 + 9 + 9}{9 + 9} + \frac{9999}{99} \end{aligned}$$

► 664

$$\begin{aligned} &:= \frac{111 \times (11 + 1) - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} := \frac{222 \times (22 + 2) - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} := \frac{333 \times (33 + 3) - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &::= \frac{444 \times (44 + 4) - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} := \frac{555 \times (55 + 5) - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} := \frac{666 \times (66 + 6) - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &::= \frac{777 \times (77 + 7) - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} := \frac{888 \times (88 + 8) - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6664

$$\begin{aligned} &:= \frac{1111 \times (11 + 1) - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} := \frac{2222 \times (22 + 2) - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} := \frac{3333 \times (33 + 3) - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &::= \frac{4444 \times (44 + 4) - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} := \frac{5555 \times (55 + 5) - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} := \frac{6666 \times (66 + 6) - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &::= \frac{7777 \times (77 + 7) - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} := \frac{8888 \times (88 + 8) - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66664

$$\begin{aligned} &:= \frac{11111 \times (11 + 1) - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} := \frac{22222 \times (22 + 2) - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} := \frac{33333 \times (33 + 3) - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &::= \frac{44444 \times (44 + 4) - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} := \frac{55555 \times (55 + 5) - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} := \frac{66666 \times (66 + 6) - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &::= \frac{77777 \times (77 + 7) - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} := \frac{88888 \times (88 + 8) - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666664

$$\begin{aligned} &:= \frac{111111 \times (11 + 1) - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} := \frac{222222 \times (22 + 2) - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} := \frac{333333 \times (33 + 3) - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &::= \frac{444444 \times (44 + 4) - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} := \frac{555555 \times (55 + 5) - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} := \frac{666666 \times (66 + 6) - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &::= \frac{777777 \times (77 + 7) - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} := \frac{888888 \times (88 + 8) - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 665

$$\begin{aligned} &:= \frac{111 \times (11 + 1) - (1 + 1) \times 1}{(1 + 1) \times 1} := \frac{222 \times (22 + 2) - (2 + 2) \times 2}{(2 + 2) \times 2} := \frac{333 \times (33 + 3) - (3 + 3) \times 3}{(3 + 3) \times 3} \end{aligned}$$

$$\begin{aligned} &::= \frac{444 \times (44 + 4) - (4 + 4) \times 4}{(4 + 4) \times 4} := \frac{555 \times (55 + 5) - (5 + 5) \times 5}{(5 + 5) \times 5} := \frac{666 \times (66 + 6) - (6 + 6) \times 6}{(6 + 6) \times 6} \\ &::= \frac{777 \times (77 + 7) - (7 + 7) \times 7}{(7 + 7) \times 7} := \frac{888 \times (88 + 8) - (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) - (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

$$\mathbf{6665} := \frac{1111 \times (11 + 1) - (1 + 1) \times 1}{(1 + 1) \times 1} := \frac{2222 \times (22 + 2) - (2 + 2) \times 2}{(2 + 2) \times 2} := \frac{3333 \times (33 + 3) - (3 + 3) \times 3}{(3 + 3) \times 3}$$

$$\begin{aligned} &::= \frac{4444 \times (44 + 4) - (4 + 4) \times 4}{(4 + 4) \times 4} := \frac{5555 \times (55 + 5) - (5 + 5) \times 5}{(5 + 5) \times 5} := \frac{6666 \times (66 + 6) - (6 + 6) \times 6}{(6 + 6) \times 6} \\ &::= \frac{7777 \times (77 + 7) - (7 + 7) \times 7}{(7 + 7) \times 7} := \frac{8888 \times (88 + 8) - (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) - (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

$$\mathbf{66665} := \frac{11111 \times (11 + 1) - (1 + 1) \times 1}{(1 + 1) \times 1} := \frac{22222 \times (22 + 2) - (2 + 2) \times 2}{(2 + 2) \times 2} := \frac{33333 \times (33 + 3) - (3 + 3) \times 3}{(3 + 3) \times 3}$$

$$\begin{aligned} &::= \frac{44444 \times (44 + 4) - (4 + 4) \times 4}{(4 + 4) \times 4} := \frac{55555 \times (55 + 5) - (5 + 5) \times 5}{(5 + 5) \times 5} := \frac{66666 \times (66 + 6) - (6 + 6) \times 6}{(6 + 6) \times 6} \\ &::= \frac{77777 \times (77 + 7) - (7 + 7) \times 7}{(7 + 7) \times 7} := \frac{88888 \times (88 + 8) - (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) - (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

$$\mathbf{666665} := \frac{111111 \times (11 + 1) - (1 + 1) \times 1}{(1 + 1) \times 1} := \frac{222222 \times (22 + 2) - (2 + 2) \times 2}{(2 + 2) \times 2} := \frac{333333 \times (33 + 3) - (3 + 3) \times 3}{(3 + 3) \times 3}$$

$$\begin{aligned} &::= \frac{444444 \times (44 + 4) - (4 + 4) \times 4}{(4 + 4) \times 4} := \frac{555555 \times (55 + 5) - (5 + 5) \times 5}{(5 + 5) \times 5} := \frac{666666 \times (66 + 6) - (6 + 6) \times 6}{(6 + 6) \times 6} \\ &::= \frac{777777 \times (77 + 7) - (7 + 7) \times 7}{(7 + 7) \times 7} := \frac{888888 \times (88 + 8) - (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) - (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{666} &:= \frac{111 \times (11 + 1)}{(1 + 1) \times 1} = \frac{222 \times (22 + 2)}{(2 + 2) \times 2} = \frac{333 \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444 \times (44 + 4)}{(4 + 4) \times 4} = \frac{555 \times (55 + 5)}{(5 + 5) \times 5} = \frac{666 \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777 \times (77 + 7)}{(7 + 7) \times 7} = \frac{888 \times (88 + 8)}{(8 + 8) \times 8} = \frac{999 \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{6666} &:= \frac{1111 \times (11 + 1)}{(1 + 1) \times 1} = \frac{2222 \times (22 + 2)}{(2 + 2) \times 2} = \frac{3333 \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{4444 \times (44 + 4)}{(4 + 4) \times 4} = \frac{5555 \times (55 + 5)}{(5 + 5) \times 5} = \frac{6666 \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{7777 \times (77 + 7)}{(7 + 7) \times 7} = \frac{8888 \times (88 + 8)}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\mathbf{66666} := \frac{11111 \times (11 + 1)}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2)}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3)}{(3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{44444 \times (44 + 4)}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5)}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7)}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{666666} &:= \frac{11111 \times (11 + 1)}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2)}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{44444 \times (44 + 4)}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5)}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7)}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{667} &:= \frac{111 \times (11 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{222 \times (22 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{333 \times (33 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{444 \times (44 + 4) + (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{555 \times (55 + 5) + (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{666 \times (66 + 6) + (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{777 \times (77 + 7) + (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{888 \times (88 + 8) + (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) + (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{6667} &:= \frac{1111 \times (11 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{2222 \times (22 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{3333 \times (33 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{4444 \times (44 + 4) + (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{5555 \times (55 + 5) + (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{6666 \times (66 + 6) + (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{7777 \times (77 + 7) + (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{8888 \times (88 + 8) + (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) + (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{66667} &:= \frac{11111 \times (11 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{44444 \times (44 + 4) + (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5) + (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6) + (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7) + (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8) + (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) + (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{666667} &:= \frac{111111 \times (11 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{222222 \times (22 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{333333 \times (33 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{444444 \times (44 + 4) + (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{555555 \times (55 + 5) + (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{666666 \times (66 + 6) + (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{777777 \times (77 + 7) + (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{888888 \times (88 + 8) + (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) + (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{668} &:= \frac{1111 + 1}{1 + 1} + \frac{111 + 1}{1} = \frac{2222 + 2}{2 + 2} + \frac{222 + 2}{2} = \frac{3333 + 3}{3 + 3} + \frac{333 + 3}{3} \\ &:= \frac{4444 + 4}{4 + 4} + \frac{444 + 4}{4} = \frac{5555 + 5}{5 + 5} + \frac{555 + 5}{5} = \frac{6666 + 6}{6 + 6} + \frac{666 + 6}{6} \end{aligned}$$

$$:= \frac{7777+7}{7+7} + \frac{777+7}{7} = \frac{8888+8}{8+8} + \frac{888+8}{8} = \frac{9999+9}{9+9} + \frac{999+9}{9}$$

$$\begin{aligned} \textcolor{red}{6668} &:= \frac{11111+1}{1+1} + \frac{1111+1}{1} = \frac{22222+2}{2+2} + \frac{2222+2}{2} = \frac{33333+3}{3+3} + \frac{3333+3}{3} \\ &:= \frac{44444+4}{4+4} + \frac{4444+4}{4} = \frac{55555+5}{5+5} + \frac{5555+5}{5} = \frac{66666+6}{6+6} + \frac{6666+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{7777+7}{7} = \frac{88888+8}{8+8} + \frac{8888+8}{8} = \frac{99999+9}{9+9} + \frac{9999+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{66668} &:= \frac{111111+1}{1+1} + \frac{11111+1}{1} = \frac{222222+2}{2+2} + \frac{22222+2}{2} = \frac{333333+3}{3+3} + \frac{33333+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{44444+4}{4} = \frac{555555+5}{5+5} + \frac{55555+5}{5} = \frac{666666+6}{6+6} + \frac{66666+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77777+7}{7} = \frac{888888+8}{8+8} + \frac{88888+8}{8} = \frac{999999+9}{9+9} + \frac{99999+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{666668} &:= \frac{111111+1}{1+1} + \frac{11111+1}{1} = \frac{222222+2}{2+2} + \frac{22222+2}{2} = \frac{333333+3}{3+3} + \frac{33333+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{44444+4}{4} = \frac{555555+5}{5+5} + \frac{55555+5}{5} = \frac{666666+6}{6+6} + \frac{66666+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77777+7}{7} = \frac{888888+8}{8+8} + \frac{88888+8}{8} = \frac{999999+9}{9+9} + \frac{99999+9}{9} \end{aligned}$$

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$$\begin{aligned} \textcolor{red}{669} &:= \frac{1111+1}{1+1} + \frac{111+1+1}{1} = \frac{2222+2}{2+2} + \frac{222+2+2}{2} = \frac{3333+3}{3+3} + \frac{333+3+3}{3} \\ &:= \frac{4444+4}{4+4} + \frac{444+4+4}{4} = \frac{5555+5}{5+5} + \frac{555+5+5}{5} = \frac{6666+6}{6+6} + \frac{666+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{777+7+7}{7} = \frac{8888+8}{8+8} + \frac{888+8+8}{8} = \frac{9999+9}{9+9} + \frac{999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6669} &:= \frac{11111+1}{1+1} + \frac{1111+1+1}{1} = \frac{22222+2}{2+2} + \frac{2222+2+2}{2} = \frac{33333+3}{3+3} + \frac{3333+3+3}{3} \\ &:= \frac{44444+4}{4+4} + \frac{4444+4+4}{4} = \frac{55555+5}{5+5} + \frac{5555+5+5}{5} = \frac{66666+6}{6+6} + \frac{6666+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{7777+7+7}{7} = \frac{88888+8}{8+8} + \frac{8888+8+8}{8} = \frac{99999+9}{9+9} + \frac{9999+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{66669} &:= \frac{111111+1}{1+1} + \frac{11111+1+1}{1} = \frac{222222+2}{2+2} + \frac{22222+2+2}{2} = \frac{333333+3}{3+3} + \frac{33333+3+3}{3} \\ &:= \frac{444444+4}{4+4} + \frac{44444+4+4}{4} = \frac{555555+5}{5+5} + \frac{55555+5+5}{5} = \frac{666666+6}{6+6} + \frac{66666+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77777+7+7}{7} = \frac{888888+8}{8+8} + \frac{88888+8+8}{8} = \frac{999999+9}{9+9} + \frac{99999+9+9}{9} \end{aligned}$$

$$\textcolor{red}{666669} := \frac{111111+1}{1+1} + \frac{11111+1+1}{1} = \frac{222222+2}{2+2} + \frac{22222+2+2}{2} = \frac{333333+3}{3+3} + \frac{33333+3+3}{3}$$

$$\begin{aligned} &:= \frac{444444+4}{4+4} + \frac{44444+4+4}{4} = \frac{555555+5}{5+5} + \frac{55555+5+5}{5} = \frac{666666+6}{6+6} + \frac{66666+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77777+7+7}{7} = \frac{888888+8}{8+8} + \frac{88888+8+8}{8} = \frac{999999+9}{9+9} + \frac{99999+9+9}{9} \end{aligned}$$

► **670** := $\frac{1111+1}{1+1} + \frac{111+1+1+1}{1} = \frac{2222+2}{2+2} + \frac{222+2+2+2}{2} = \frac{3333+3}{3+3} + \frac{333+3+3+3}{3}$

$$\begin{aligned} &:= \frac{4444+4}{4+4} + \frac{444+4+4+4}{4} = \frac{5555+5}{5+5} + \frac{555+5+5+5}{5} = \frac{6666+6}{6+6} + \frac{666+6+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{777+7+7+7}{7} = \frac{8888+8}{8+8} + \frac{888+8+8+8}{8} = \frac{9999+9}{9+9} + \frac{999+9+9+9}{9} \end{aligned}$$

6670 := $\frac{11111+1}{1+1} + \frac{1111+1+1+1}{1} = \frac{22222+2}{2+2} + \frac{2222+2+2+2}{2} = \frac{33333+3}{3+3} + \frac{3333+3+3+3}{3}$

$$\begin{aligned} &:= \frac{44444+4}{4+4} + \frac{4444+4+4+4}{4} = \frac{55555+5}{5+5} + \frac{5555+5+5+5}{5} = \frac{66666+6}{6+6} + \frac{6666+6+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{7777+7+7+7}{7} = \frac{88888+8}{8+8} + \frac{8888+8+8+8}{8} = \frac{99999+9}{9+9} + \frac{9999+9+9+9}{9} \end{aligned}$$

66670 := $\frac{11111+1}{1+1} + \frac{11111+1+1+1}{1} = \frac{22222+2}{2+2} + \frac{22222+2+2+2}{2} = \frac{33333+3}{3+3} + \frac{33333+3+3+3}{3}$

$$\begin{aligned} &:= \frac{44444+4}{4+4} + \frac{44444+4+4+4}{4} = \frac{55555+5}{5+5} + \frac{55555+5+5+5}{5} = \frac{66666+6}{6+6} + \frac{66666+6+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{77777+7+7+7}{7} = \frac{88888+8}{8+8} + \frac{88888+8+8+8}{8} = \frac{99999+9}{9+9} + \frac{99999+9+9+9}{9} \end{aligned}$$

666670 := $\frac{111111+1}{1+1} + \frac{111111+1+1+1}{1} = \frac{222222+2}{2+2} + \frac{222222+2+2+2}{2} = \frac{333333+3}{3+3} + \frac{333333+3+3+3}{3}$

$$\begin{aligned} &:= \frac{444444+4}{4+4} + \frac{444444+4+4+4}{4} = \frac{555555+5}{5+5} + \frac{555555+5+5+5}{5} = \frac{666666+6}{6+6} + \frac{666666+6+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{777777+7+7+7}{7} = \frac{888888+8}{8+8} + \frac{888888+8+8+8}{8} = \frac{999999+9}{9+9} + \frac{999999+9+9+9}{9} \end{aligned}$$

► **671** := $\frac{(111+11) \times (11+11)}{(1+1) \times (1+1)} = \frac{(222+22) \times (22+22)}{(2+2) \times (2+2)} = \frac{(333+33) \times (33+33)}{(3+3) \times (3+3)}$

$$\begin{aligned} &:= \frac{(444+44) \times (44+44)}{(4+4) \times (4+4)} = \frac{(555+55) \times (55+55)}{(5+5) \times (5+5)} = \frac{(666+66) \times (66+66)}{(6+6) \times (6+6)} \\ &:= \frac{(777+77) \times (77+77)}{(7+7) \times (7+7)} = \frac{(888+88) \times (88+88)}{(8+8) \times (8+8)} = \frac{(999+99) \times (99+99)}{(9+9) \times (9+9)} \end{aligned}$$

6171 := $\frac{(1111+11) \times (11+11)}{(1+1) \times (1+1)} = \frac{(2222+22) \times (22+22)}{(2+2) \times (2+2)} = \frac{(3333+33) \times (33+33)}{(3+3) \times (3+3)}$

$$\begin{aligned} &:= \frac{(4444+44) \times (44+44)}{(4+4) \times (4+4)} = \frac{(5555+55) \times (55+55)}{(5+5) \times (5+5)} = \frac{(6666+66) \times (66+66)}{(6+6) \times (6+6)} \\ &:= \frac{(7777+77) \times (77+77)}{(7+7) \times (7+7)} = \frac{(8888+88) \times (88+88)}{(8+8) \times (8+8)} = \frac{(9999+99) \times (99+99)}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned} \mathbf{61171} &:= \frac{(11111 + 11) \times (11 + 11)}{(1 + 1) \times (1 + 1)} = \frac{(22222 + 22) \times (22 + 22)}{(2 + 2) \times (2 + 2)} = \frac{(33333 + 33) \times (33 + 33)}{(3 + 3) \times (3 + 3)} \\ &:= \frac{(44444 + 44) \times (44 + 44)}{(4 + 4) \times (4 + 4)} = \frac{(55555 + 55) \times (55 + 55)}{(5 + 5) \times (5 + 5)} = \frac{(66666 + 66) \times (66 + 66)}{(6 + 6) \times (6 + 6)} \\ &:= \frac{(77777 + 77) \times (77 + 77)}{(7 + 7) \times (7 + 7)} = \frac{(88888 + 88) \times (88 + 88)}{(8 + 8) \times (8 + 8)} = \frac{(99999 + 99) \times (99 + 99)}{(9 + 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \mathbf{611171} &:= \frac{(111111 + 11) \times (11 + 11)}{(1 + 1) \times (1 + 1)} = \frac{(222222 + 22) \times (22 + 22)}{(2 + 2) \times (2 + 2)} = \frac{(333333 + 33) \times (33 + 33)}{(3 + 3) \times (3 + 3)} \\ &:= \frac{(444444 + 44) \times (44 + 44)}{(4 + 4) \times (4 + 4)} = \frac{(555555 + 55) \times (55 + 55)}{(5 + 5) \times (5 + 5)} = \frac{(666666 + 66) \times (66 + 66)}{(6 + 6) \times (6 + 6)} \\ &:= \frac{(777777 + 77) \times (77 + 77)}{(7 + 7) \times (7 + 7)} = \frac{(888888 + 88) \times (88 + 88)}{(8 + 8) \times (8 + 8)} = \frac{(999999 + 99) \times (99 + 99)}{(9 + 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{672} &:= \frac{(111 + 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{6672} &:= \frac{(1111 + 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 3) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{66672} &:= \frac{(11111 + 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 3) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{666672} &:= \frac{(111111 + 1) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 2) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 3) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 4) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 5) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 6) \times (66 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 7) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 8) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 9) \times (99 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{673} := \frac{(111 + 1) \times (11 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(222 + 2) \times (22 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(333 + 3) \times (33 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(444+4) \times (44+4) + (4+4) \times 4}{(4+4) \times 4} = \frac{(555+5) \times (55+5) + (5+5) \times 5}{(5+5) \times 5} = \frac{(666+6) \times (66+6) + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(777+7) \times (77+7) + (7+7) \times 7}{(7+7) \times 7} = \frac{(888+8) \times (88+8) + (8+8) \times 8}{(8+8) \times 8} = \frac{(999+9) \times (99+9) + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{6673} &:= \frac{(1111+1) \times (11+1) + (1+1) \times 1}{(1+1) \times 1} = \frac{(2222+2) \times (22+2) + (2+2) \times 2}{(2+2) \times 2} = \frac{(3333+3) \times (33+3) + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(4444+4) \times (44+4) + (4+4) \times 4}{(4+4) \times 4} = \frac{(5555+5) \times (55+5) + (5+5) \times 5}{(5+5) \times 5} = \frac{(6666+6) \times (66+6) + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(7777+7) \times (77+7) + (7+7) \times 7}{(7+7) \times 7} = \frac{(8888+8) \times (88+8) + (8+8) \times 8}{(8+8) \times 8} = \frac{(9999+9) \times (99+9) + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{66673} &:= \frac{(11111+1) \times (11+1) + (1+1) \times 1}{(1+1) \times 1} = \frac{(22222+2) \times (22+2) + (2+2) \times 2}{(2+2) \times 2} = \frac{(33333+3) \times (33+3) + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(44444+4) \times (44+4) + (4+4) \times 4}{(4+4) \times 4} = \frac{(55555+5) \times (55+5) + (5+5) \times 5}{(5+5) \times 5} = \frac{(66666+6) \times (66+6) + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(77777+7) \times (77+7) + (7+7) \times 7}{(7+7) \times 7} = \frac{(88888+8) \times (88+8) + (8+8) \times 8}{(8+8) \times 8} = \frac{(99999+9) \times (99+9) + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{666673} &:= \frac{(111111+1) \times (11+1) + (1+1) \times 1}{(1+1) \times 1} = \frac{(222222+2) \times (22+2) + (2+2) \times 2}{(2+2) \times 2} = \frac{(333333+3) \times (33+3) + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(444444+4) \times (44+4) + (4+4) \times 4}{(4+4) \times 4} = \frac{(555555+5) \times (55+5) + (5+5) \times 5}{(5+5) \times 5} = \frac{(666666+6) \times (66+6) + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(777777+7) \times (77+7) + (7+7) \times 7}{(7+7) \times 7} = \frac{(888888+8) \times (88+8) + (8+8) \times 8}{(8+8) \times 8} = \frac{(999999+9) \times (99+9) + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textbf{674} &:= \frac{(111+1) \times (11+1) + (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times (22+2) + (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times (33+3) + (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444+4) \times (44+4) + (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times (55+5) + (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times (66+6) + (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777+7) \times (77+7) + (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times (88+8) + (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times (99+9) + (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{6674} &:= \frac{(1111+1) \times (11+1) + (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(2222+2) \times (22+2) + (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(3333+3) \times (33+3) + (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(4444+4) \times (44+4) + (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(5555+5) \times (55+5) + (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(6666+6) \times (66+6) + (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(7777+7) \times (77+7) + (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(8888+8) \times (88+8) + (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(9999+9) \times (99+9) + (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{66674} &:= \frac{(11111+1) \times (11+1) + (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(22222+2) \times (22+2) + (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(33333+3) \times (33+3) + (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(44444+4) \times (44+4) + (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(55555+5) \times (55+5) + (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(66666+6) \times (66+6) + (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(77777+7) \times (77+7) + (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(88888+8) \times (88+8) + (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(99999+9) \times (99+9) + (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

666674

$$\begin{aligned} &:= \frac{(111111 + 1) \times (11 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 2) \times (22 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 3) \times (33 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 4) \times (44 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 5) \times (55 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 6) \times (66 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 7) \times (77 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 8) \times (88 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 9) \times (99 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 675

$$\begin{aligned} &:= \frac{(11 + 1) \times 111 + (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22 + 2) \times 222 + (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33 + 3) \times 333 + (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44 + 4) \times 444 + (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55 + 5) \times 555 + (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66 + 6) \times 666 + (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77 + 7) \times 777 + (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88 + 8) \times 888 + (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99 + 9) \times 999 + (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6675

$$\begin{aligned} &:= \frac{(11 + 1) \times 1111 + (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22 + 2) \times 2222 + (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33 + 3) \times 3333 + (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44 + 4) \times 4444 + (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55 + 5) \times 5555 + (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66 + 6) \times 6666 + (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77 + 7) \times 7777 + (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88 + 8) \times 8888 + (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99 + 9) \times 9999 + (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66675

$$\begin{aligned} &:= \frac{(11 + 1) \times 11111 + (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22 + 2) \times 22222 + (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33 + 3) \times 33333 + (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44 + 4) \times 44444 + (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55 + 5) \times 55555 + (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66 + 6) \times 66666 + (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77 + 7) \times 77777 + (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88 + 8) \times 88888 + (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99 + 9) \times 99999 + (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666675

$$\begin{aligned} &:= \frac{(11 + 1) \times 111111 + (11 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22 + 2) \times 222222 + (22 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33 + 3) \times 333333 + (33 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44 + 4) \times 444444 + (44 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55 + 5) \times 555555 + (55 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66 + 6) \times 666666 + (66 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77 + 7) \times 777777 + (77 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88 + 8) \times 888888 + (88 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99 + 9) \times 999999 + (99 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 676

$$\begin{aligned} &:= \frac{111 \times (11 + 1) + (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{222 \times (22 + 2) + (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{333 \times (33 + 3) + (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444 \times (44 + 4) + (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{555 \times (55 + 5) + (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{666 \times (66 + 6) + (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777 \times (77 + 7) + (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{888 \times (88 + 8) + (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) + (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6676

$$:= \frac{1111 \times (11 + 1) + (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{2222 \times (22 + 2) + (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{3333 \times (33 + 3) + (33 - 3) \times (3 + 3)}{(3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{4444 \times (44 + 4) + (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{5555 \times (55 + 5) + (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{6666 \times (66 + 6) + (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{7777 \times (77 + 7) + (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{8888 \times (88 + 8) + (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) + (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{66676} &:= \frac{11111 \times (11 + 1) + (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2) + (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3) + (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{44444 \times (44 + 4) + (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5) + (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6) + (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7) + (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8) + (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) + (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{666676} &:= \frac{111111 \times (11 + 1) + (11 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{222222 \times (22 + 2) + (22 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{333333 \times (33 + 3) + (33 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444444 \times (44 + 4) + (44 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{555555 \times (55 + 5) + (55 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{666666 \times (66 + 6) + (66 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777777 \times (77 + 7) + (77 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{888888 \times (88 + 8) + (88 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) + (99 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

►

$$\begin{aligned} \textbf{677} &:= \frac{111 \times (11 + 1) + 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{222 \times (22 + 2) + 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{333 \times (33 + 3) + 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444 \times (44 + 4) + 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{555 \times (55 + 5) + 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{666 \times (66 + 6) + 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777 \times (77 + 7) + 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{888 \times (88 + 8) + 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{999 \times (99 + 9) + 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{6677} &:= \frac{1111 \times (11 + 1) + 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{2222 \times (22 + 2) + 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{3333 \times (33 + 3) + 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{4444 \times (44 + 4) + 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{5555 \times (55 + 5) + 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{6666 \times (66 + 6) + 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{7777 \times (77 + 7) + 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{8888 \times (88 + 8) + 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{9999 \times (99 + 9) + 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{66677} &:= \frac{11111 \times (11 + 1) + 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{22222 \times (22 + 2) + 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{33333 \times (33 + 3) + 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{44444 \times (44 + 4) + 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{55555 \times (55 + 5) + 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{66666 \times (66 + 6) + 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{77777 \times (77 + 7) + 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{88888 \times (88 + 8) + 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{99999 \times (99 + 9) + 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{666677} &:= \frac{111111 \times (11 + 1) + 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{222222 \times (22 + 2) + 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{333333 \times (33 + 3) + 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{444444 \times (44 + 4) + 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{555555 \times (55 + 5) + 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{666666 \times (66 + 6) + 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{777777 \times (77 + 7) + 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{888888 \times (88 + 8) + 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{999999 \times (99 + 9) + 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 678 &:= \frac{(111+1+1) \times (11+1)}{(1+1) \times 1} = \frac{(222+2+2) \times (22+2)}{(2+2) \times 2} = \frac{(333+3+3) \times (33+3)}{(3+3) \times 3} \\ &:= \frac{(444+4+4) \times (44+4)}{(4+4) \times 4} = \frac{(555+5+5) \times (55+5)}{(5+5) \times 5} = \frac{(666+6+6) \times (66+6)}{(6+6) \times 6} \\ &:= \frac{(777+7+7) \times (77+7)}{(7+7) \times 7} = \frac{(888+8+8) \times (88+8)}{(8+8) \times 8} = \frac{(999+9+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 6678 &:= \frac{(1111+1+1) \times (11+1)}{(1+1) \times 1} = \frac{(2222+2+2) \times (22+2)}{(2+2) \times 2} = \frac{(3333+3+3) \times (33+3)}{(3+3) \times 3} \\ &:= \frac{(4444+4+4) \times (44+4)}{(4+4) \times 4} = \frac{(5555+5+5) \times (55+5)}{(5+5) \times 5} = \frac{(6666+6+6) \times (66+6)}{(6+6) \times 6} \\ &:= \frac{(7777+7+7) \times (77+7)}{(7+7) \times 7} = \frac{(8888+8+8) \times (88+8)}{(8+8) \times 8} = \frac{(9999+9+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 66678 &:= \frac{(11111+1+1) \times (11+1)}{(1+1) \times 1} = \frac{(22222+2+2) \times (22+2)}{(2+2) \times 2} = \frac{(33333+3+3) \times (33+3)}{(3+3) \times 3} \\ &:= \frac{(44444+4+4) \times (44+4)}{(4+4) \times 4} = \frac{(55555+5+5) \times (55+5)}{(5+5) \times 5} = \frac{(66666+6+6) \times (66+6)}{(6+6) \times 6} \\ &:= \frac{(77777+7+7) \times (77+7)}{(7+7) \times 7} = \frac{(88888+8+8) \times (88+8)}{(8+8) \times 8} = \frac{(99999+9+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 666678 &:= \frac{(111111+1+1) \times (11+1)}{(1+1) \times 1} = \frac{(222222+2+2) \times (22+2)}{(2+2) \times 2} = \frac{(333333+3+3) \times (33+3)}{(3+3) \times 3} \\ &:= \frac{(444444+4+4) \times (44+4)}{(4+4) \times 4} = \frac{(555555+5+5) \times (55+5)}{(5+5) \times 5} = \frac{(666666+6+6) \times (66+6)}{(6+6) \times 6} \\ &:= \frac{(777777+7+7) \times (77+7)}{(7+7) \times 7} = \frac{(888888+8+8) \times (88+8)}{(8+8) \times 8} = \frac{(999999+9+9) \times (99+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 679 &:= \frac{1111+1}{1+1} + \frac{111+11+1}{1} = \frac{222+2}{2+2} + \frac{222+22+2}{2} = \frac{333+3}{3+3} + \frac{333+33+3}{3} \\ &:= \frac{444+4}{4+4} + \frac{444+44+4}{4} = \frac{555+5}{5+5} + \frac{555+55+5}{5} = \frac{666+6}{6+6} + \frac{666+66+6}{6} \\ &:= \frac{777+7}{7+7} + \frac{777+77+7}{7} = \frac{888+8}{8+8} + \frac{888+88+8}{8} = \frac{999+9}{9+9} + \frac{999+99+9}{9} \end{aligned}$$

$$\begin{aligned} 6679 &:= \frac{11111+1}{1+1} + \frac{1111+11+1}{1} = \frac{2222+2}{2+2} + \frac{2222+22+2}{2} = \frac{3333+3}{3+3} + \frac{3333+33+3}{3} \\ &:= \frac{4444+4}{4+4} + \frac{4444+44+4}{4} = \frac{5555+5}{5+5} + \frac{5555+55+5}{5} = \frac{6666+6}{6+6} + \frac{6666+66+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{7777+77+7}{7} = \frac{8888+8}{8+8} + \frac{8888+88+8}{8} = \frac{9999+9}{9+9} + \frac{9999+99+9}{9} \end{aligned}$$

$$66679 := \frac{111111+1}{1+1} + \frac{11111+11+1}{1} = \frac{22222+2}{2+2} + \frac{22222+22+2}{2} = \frac{33333+3}{3+3} + \frac{33333+33+3}{3}$$

$$\begin{aligned} &:= \frac{444444+4}{4+4} + \frac{44444+44+4}{4} = \frac{555555+5}{5+5} + \frac{55555+55+5}{5} = \frac{666666+6}{6+6} + \frac{66666+66+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77777+77+7}{7} = \frac{888888+8}{8+8} + \frac{88888+88+8}{8} = \frac{999999+9}{9+9} + \frac{99999+99+9}{9} \end{aligned}$$

666679 := $\frac{1111111+1}{1+1} + \frac{111111+11+1}{1} = \frac{2222222+2}{2+2} + \frac{222222+22+2}{2} = \frac{3333333+3}{3+3} + \frac{333333+33+3}{3}$

$$\begin{aligned} &:= \frac{4444444+4}{4+4} + \frac{444444+44+4}{4} = \frac{5555555+5}{5+5} + \frac{555555+55+5}{5} = \frac{6666666+6}{6+6} + \frac{666666+66+6}{6} \\ &:= \frac{7777777+7}{7+7} + \frac{777777+77+7}{7} = \frac{8888888+8}{8+8} + \frac{888888+88+8}{8} = \frac{9999999+9}{9+9} + \frac{999999+99+9}{9} \end{aligned}$$

► **680** := $\frac{1111+1}{1+1} + \frac{111+11+1+1}{1} = \frac{2222+2}{2+2} + \frac{222+22+2+2}{2} = \frac{3333+3}{3+3} + \frac{333+33+3+3}{3}$

$$\begin{aligned} &:= \frac{4444+4}{4+4} + \frac{444+44+4+4}{4} = \frac{5555+5}{5+5} + \frac{555+55+5+5}{5} = \frac{6666+6}{6+6} + \frac{666+66+6+6}{6} \\ &:= \frac{7777+7}{7+7} + \frac{777+77+7+7}{7} = \frac{8888+8}{8+8} + \frac{888+88+8+8}{8} = \frac{9999+9}{9+9} + \frac{999+99+9+9}{9} \end{aligned}$$

6680 := $\frac{11111+1}{1+1} + \frac{1111+11+1+1}{1} = \frac{22222+2}{2+2} + \frac{2222+22+2+2}{2} = \frac{33333+3}{3+3} + \frac{3333+33+3+3}{3}$

$$\begin{aligned} &:= \frac{44444+4}{4+4} + \frac{4444+44+4+4}{4} = \frac{55555+5}{5+5} + \frac{5555+55+5+5}{5} = \frac{66666+6}{6+6} + \frac{6666+66+6+6}{6} \\ &:= \frac{77777+7}{7+7} + \frac{7777+77+7+7}{7} = \frac{88888+8}{8+8} + \frac{8888+88+8+8}{8} = \frac{99999+9}{9+9} + \frac{9999+99+9+9}{9} \end{aligned}$$

66680 := $\frac{111111+1}{1+1} + \frac{11111+11+1+1}{1} = \frac{222222+2}{2+2} + \frac{22222+22+2+2}{2} = \frac{333333+3}{3+3} + \frac{33333+33+3+3}{3}$

$$\begin{aligned} &:= \frac{444444+4}{4+4} + \frac{44444+44+4+4}{4} = \frac{555555+5}{5+5} + \frac{55555+55+5+5}{5} = \frac{666666+6}{6+6} + \frac{66666+66+6+6}{6} \\ &:= \frac{777777+7}{7+7} + \frac{77777+77+7+7}{7} = \frac{888888+8}{8+8} + \frac{88888+88+8+8}{8} = \frac{999999+9}{9+9} + \frac{99999+99+9+9}{9} \end{aligned}$$

666680 := $\frac{1111111+1}{1+1} + \frac{111111+11+1+1}{1} = \frac{2222222+2}{2+2} + \frac{222222+22+2+2}{2} = \frac{3333333+3}{3+3} + \frac{333333+33+3+3}{3}$

$$\begin{aligned} &:= \frac{4444444+4}{4+4} + \frac{444444+44+4+4}{4} = \frac{5555555+5}{5+5} + \frac{555555+55+5+5}{5} = \frac{6666666+6}{6+6} + \frac{666666+66+6+6}{6} \\ &:= \frac{7777777+7}{7+7} + \frac{777777+77+7+7}{7} = \frac{8888888+8}{8+8} + \frac{888888+88+8+8}{8} = \frac{9999999+9}{9+9} + \frac{999999+99+9+9}{9} \end{aligned}$$

► **681** := $\frac{(111+11) \times 11 + (11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222+22) \times 22 + (22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333+33) \times 33 + (33-3) \times (3+3)}{(3+3) \times 3}$

$$\begin{aligned} &:= \frac{(444+44) \times 44 + (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555+55) \times 55 + (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666+66) \times 66 + (66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777+77) \times 77 + (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888+88) \times 88 + (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999+99) \times 99 + (99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

6181

:=

$$\frac{(1111+11) \times 11 + (11-1) \times (1+1)}{(1+1) \times 1} = \frac{(2222+22) \times 22 + (22-2) \times (2+2)}{(2+2) \times 2} = \frac{(3333+33) \times 33 + (33-3) \times (3+3)}{(3+3) \times 3}$$

:=

$$\frac{(4444+44) \times 44 + (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(5555+55) \times 55 + (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(6666+66) \times 66 + (66-6) \times (6+6)}{(6+6) \times 6}$$

:=

$$\frac{(7777+77) \times 77 + (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(8888+88) \times 88 + (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(9999+99) \times 99 + (99-9) \times (9+9)}{(9+9) \times 9}$$

61181

:=

$$\frac{(11111+11) \times 11 + (11-1) \times (1+1)}{(1+1) \times 1} = \frac{(22222+22) \times 22 + (22-2) \times (2+2)}{(2+2) \times 2} = \frac{(33333+33) \times 33 + (33-3) \times (3+3)}{(3+3) \times 3}$$

:=

$$\frac{(44444+44) \times 44 + (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(55555+55) \times 55 + (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(66666+66) \times 66 + (66-6) \times (6+6)}{(6+6) \times 6}$$

:=

$$\frac{(77777+77) \times 77 + (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(88888+88) \times 88 + (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(99999+99) \times 99 + (99-9) \times (9+9)}{(9+9) \times 9}$$

611181

:=

$$\frac{(111111+11) \times 11 + (11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222222+22) \times 22 + (22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333333+33) \times 33 + (33-3) \times (3+3)}{(3+3) \times 3}$$

:=

$$\frac{(444444+44) \times 44 + (44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555555+55) \times 55 + (55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666666+66) \times 66 + (66-6) \times (6+6)}{(6+6) \times 6}$$

:=

$$\frac{(777777+77) \times 77 + (77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888888+88) \times 88 + (88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999999+99) \times 99 + (99-9) \times (9+9)}{(9+9) \times 9}$$

► 682

:=

$$\frac{(111+11) \times 11 + 11 \times (1+1)}{(1+1) \times 1} = \frac{(222+22) \times 22 + 22 \times (2+2)}{(2+2) \times 2} = \frac{(333+33) \times 33 + 33 \times (3+3)}{(3+3) \times 3}$$

:=

$$\frac{(444+44) \times 44 + 44 \times (4+4)}{(4+4) \times 4} = \frac{(555+55) \times 55 + 55 \times (5+5)}{(5+5) \times 5} = \frac{(666+66) \times 66 + 66 \times (6+6)}{(6+6) \times 6}$$

:=

$$\frac{(777+77) \times 77 + 77 \times (7+7)}{(7+7) \times 7} = \frac{(888+88) \times 88 + 88 \times (8+8)}{(8+8) \times 8} = \frac{(999+99) \times 99 + 99 \times (9+9)}{(9+9) \times 9}$$

6182

:=

$$\frac{(1111+11) \times 11 + 11 \times (1+1)}{(1+1) \times 1} = \frac{(2222+22) \times 22 + 22 \times (2+2)}{(2+2) \times 2} = \frac{(3333+33) \times 33 + 33 \times (3+3)}{(3+3) \times 3}$$

:=

$$\frac{(4444+44) \times 44 + 44 \times (4+4)}{(4+4) \times 4} = \frac{(5555+55) \times 55 + 55 \times (5+5)}{(5+5) \times 5} = \frac{(6666+66) \times 66 + 66 \times (6+6)}{(6+6) \times 6}$$

:=

$$\frac{(7777+77) \times 77 + 77 \times (7+7)}{(7+7) \times 7} = \frac{(8888+88) \times 88 + 88 \times (8+8)}{(8+8) \times 8} = \frac{(9999+99) \times 99 + 99 \times (9+9)}{(9+9) \times 9}$$

61182

:=

$$\frac{(11111+11) \times 11 + 11 \times (1+1)}{(1+1) \times 1} = \frac{(22222+22) \times 22 + 22 \times (2+2)}{(2+2) \times 2} = \frac{(33333+33) \times 33 + 33 \times (3+3)}{(3+3) \times 3}$$

:=

$$\frac{(44444+44) \times 44 + 44 \times (4+4)}{(4+4) \times 4} = \frac{(55555+55) \times 55 + 55 \times (5+5)}{(5+5) \times 5} = \frac{(66666+66) \times 66 + 66 \times (6+6)}{(6+6) \times 6}$$

:=

$$\frac{(77777+77) \times 77 + 77 \times (7+7)}{(7+7) \times 7} = \frac{(88888+88) \times 88 + 88 \times (8+8)}{(8+8) \times 8} = \frac{(99999+99) \times 99 + 99 \times (9+9)}{(9+9) \times 9}$$

611182

:=

$$\frac{(111111+11) \times 11 + 11 \times (1+1)}{(1+1) \times 1} = \frac{(222222+22) \times 22 + 22 \times (2+2)}{(2+2) \times 2} = \frac{(333333+33) \times 33 + 33 \times (3+3)}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(444444 + 44) \times 44 + 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times 55 + 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times 66 + 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times 77 + 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times 88 + 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times 99 + 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► **683** := $\frac{1111 + 11}{1 + 1} + \frac{111 + 11}{1} = \frac{2222 + 22}{2 + 2} + \frac{222 + 22}{2} = \frac{3333 + 33}{3 + 3} + \frac{333 + 33}{3}$

$$\begin{aligned} &:= \frac{4444 + 44}{4 + 4} + \frac{444 + 44}{4} = \frac{5555 + 55}{5 + 5} + \frac{555 + 55}{5} = \frac{6666 + 66}{6 + 6} + \frac{666 + 66}{6} \\ &:= \frac{7777 + 77}{7 + 7} + \frac{777 + 77}{7} = \frac{8888 + 88}{8 + 8} + \frac{888 + 88}{8} = \frac{9999 + 99}{9 + 9} + \frac{999 + 99}{9} \end{aligned}$$

6683 := $\frac{11111 + 11}{1 + 1} + \frac{1111 + 11}{1} = \frac{22222 + 22}{2 + 2} + \frac{2222 + 22}{2} = \frac{33333 + 33}{3 + 3} + \frac{3333 + 33}{3}$

$$\begin{aligned} &:= \frac{44444 + 44}{4 + 4} + \frac{4444 + 44}{4} = \frac{55555 + 55}{5 + 5} + \frac{5555 + 55}{5} = \frac{66666 + 66}{6 + 6} + \frac{6666 + 66}{6} \\ &:= \frac{77777 + 77}{7 + 7} + \frac{7777 + 77}{7} = \frac{88888 + 88}{8 + 8} + \frac{8888 + 88}{8} = \frac{99999 + 99}{9 + 9} + \frac{9999 + 99}{9} \end{aligned}$$

66683 := $\frac{111111 + 11}{1 + 1} + \frac{11111 + 11}{1} = \frac{222222 + 22}{2 + 2} + \frac{22222 + 22}{2} = \frac{333333 + 33}{3 + 3} + \frac{33333 + 33}{3}$

$$\begin{aligned} &:= \frac{444444 + 44}{4 + 4} + \frac{44444 + 44}{4} = \frac{555555 + 55}{5 + 5} + \frac{55555 + 55}{5} = \frac{666666 + 66}{6 + 6} + \frac{66666 + 66}{6} \\ &:= \frac{777777 + 77}{7 + 7} + \frac{77777 + 77}{7} = \frac{888888 + 88}{8 + 8} + \frac{88888 + 88}{8} = \frac{999999 + 99}{9 + 9} + \frac{99999 + 99}{9} \end{aligned}$$

666683 := $\frac{1111111 + 11}{1 + 1} + \frac{111111 + 11}{1} = \frac{2222222 + 22}{2 + 2} + \frac{222222 + 22}{2} = \frac{3333333 + 33}{3 + 3} + \frac{333333 + 33}{3}$

$$\begin{aligned} &:= \frac{4444444 + 44}{4 + 4} + \frac{444444 + 44}{4} = \frac{5555555 + 55}{5 + 5} + \frac{555555 + 55}{5} = \frac{6666666 + 66}{6 + 6} + \frac{666666 + 66}{6} \\ &:= \frac{7777777 + 77}{7 + 7} + \frac{777777 + 77}{7} = \frac{8888888 + 88}{8 + 8} + \frac{888888 + 88}{8} = \frac{9999999 + 99}{9 + 9} + \frac{999999 + 99}{9} \end{aligned}$$

► **684** := $\frac{1111 + 11}{1 + 1} + \frac{111 + 11 + 1}{1} = \frac{2222 + 22}{2 + 2} + \frac{222 + 22 + 2}{2} = \frac{3333 + 33}{3 + 3} + \frac{333 + 33 + 3}{3}$

$$\begin{aligned} &:= \frac{4444 + 44}{4 + 4} + \frac{444 + 44 + 4}{4} = \frac{5555 + 55}{5 + 5} + \frac{555 + 55 + 5}{5} = \frac{6666 + 66}{6 + 6} + \frac{666 + 66 + 6}{6} \\ &:= \frac{7777 + 77}{7 + 7} + \frac{777 + 77 + 7}{7} = \frac{8888 + 88}{8 + 8} + \frac{888 + 88 + 8}{8} = \frac{9999 + 99}{9 + 9} + \frac{999 + 99 + 9}{9} \end{aligned}$$

6684 := $\frac{11111 + 11}{1 + 1} + \frac{1111 + 11 + 1}{1} = \frac{22222 + 22}{2 + 2} + \frac{2222 + 22 + 2}{2} = \frac{33333 + 33}{3 + 3} + \frac{3333 + 33 + 3}{3}$

$$\begin{aligned} &:= \frac{44444 + 44}{4 + 4} + \frac{4444 + 44 + 4}{4} = \frac{55555 + 55}{5 + 5} + \frac{5555 + 55 + 5}{5} = \frac{66666 + 66}{6 + 6} + \frac{6666 + 66 + 6}{6} \\ &:= \frac{77777 + 77}{7 + 7} + \frac{7777 + 77 + 7}{7} = \frac{88888 + 88}{8 + 8} + \frac{8888 + 88 + 8}{8} = \frac{99999 + 99}{9 + 9} + \frac{9999 + 99 + 9}{9} \end{aligned}$$

66684

$$\begin{aligned} &:= \frac{111111+11}{1+1} + \frac{11111+11+1}{1} = \frac{222222+22}{2+2} + \frac{22222+22+2}{2} = \frac{333333+33}{3+3} + \frac{33333+33+3}{3} \\ &:= \frac{444444+44}{4+4} + \frac{44444+44+4}{4} = \frac{555555+55}{5+5} + \frac{55555+55+5}{5} = \frac{666666+66}{6+6} + \frac{66666+66+6}{6} \\ &:= \frac{777777+77}{7+7} + \frac{77777+77+7}{7} = \frac{888888+88}{8+8} + \frac{88888+88+8}{8} = \frac{999999+99}{9+9} + \frac{99999+99+9}{9} \end{aligned}$$

666684

$$\begin{aligned} &:= \frac{1111111+11}{1+1} + \frac{111111+11+1}{1} = \frac{2222222+22}{2+2} + \frac{222222+22+2}{2} = \frac{3333333+33}{3+3} + \frac{333333+33+3}{3} \\ &:= \frac{4444444+44}{4+4} + \frac{444444+44+4}{4} = \frac{5555555+55}{5+5} + \frac{555555+55+5}{5} = \frac{6666666+66}{6+6} + \frac{666666+66+6}{6} \\ &:= \frac{7777777+77}{7+7} + \frac{777777+77+7}{7} = \frac{8888888+88}{8+8} + \frac{888888+88+8}{8} = \frac{9999999+99}{9+9} + \frac{999999+99+9}{9} \end{aligned}$$

685

$$\begin{aligned} &:= \frac{1111+11}{1+1} + \frac{111+11+1+1}{1} = \frac{2222+22}{2+2} + \frac{222+22+2+2}{2} = \frac{3333+33}{3+3} + \frac{333+33+3+3}{3} \\ &:= \frac{4444+44}{4+4} + \frac{444+44+4+4}{4} = \frac{5555+55}{5+5} + \frac{555+55+5+5}{5} = \frac{6666+66}{6+6} + \frac{666+66+6+6}{6} \\ &:= \frac{7777+77}{7+7} + \frac{777+77+7+7}{7} = \frac{8888+88}{8+8} + \frac{888+88+8+8}{8} = \frac{9999+99}{9+9} + \frac{999+99+9+9}{9} \end{aligned}$$

6685

$$\begin{aligned} &:= \frac{11111+11}{1+1} + \frac{1111+11+1+1}{1} = \frac{22222+22}{2+2} + \frac{2222+22+2+2}{2} = \frac{33333+33}{3+3} + \frac{3333+33+3+3}{3} \\ &:= \frac{44444+44}{4+4} + \frac{4444+44+4+4}{4} = \frac{55555+55}{5+5} + \frac{5555+55+5+5}{5} = \frac{66666+66}{6+6} + \frac{6666+66+6+6}{6} \\ &:= \frac{77777+77}{7+7} + \frac{7777+77+7+7}{7} = \frac{88888+88}{8+8} + \frac{8888+88+8+8}{8} = \frac{99999+99}{9+9} + \frac{9999+99+9+9}{9} \end{aligned}$$

66685

$$\begin{aligned} &:= \frac{111111+11}{1+1} + \frac{11111+11+1+1}{1} = \frac{222222+22}{2+2} + \frac{22222+22+2+2}{2} = \frac{333333+33}{3+3} + \frac{33333+33+3+3}{3} \\ &:= \frac{444444+44}{4+4} + \frac{44444+44+4+4}{4} = \frac{555555+55}{5+5} + \frac{55555+55+5+5}{5} = \frac{666666+66}{6+6} + \frac{66666+66+6+6}{6} \\ &:= \frac{777777+77}{7+7} + \frac{77777+77+7+7}{7} = \frac{888888+88}{8+8} + \frac{88888+88+8+8}{8} = \frac{999999+99}{9+9} + \frac{99999+99+9+9}{9} \end{aligned}$$

666685

$$\begin{aligned} &:= \frac{1111111+11}{1+1} + \frac{111111+11+1+1}{1} = \frac{2222222+22}{2+2} + \frac{222222+22+2+2}{2} = \frac{3333333+33}{3+3} + \frac{333333+33+3+3}{3} \\ &:= \frac{4444444+44}{4+4} + \frac{444444+44+4+4}{4} = \frac{5555555+55}{5+5} + \frac{555555+55+5+5}{5} = \frac{6666666+66}{6+6} + \frac{666666+66+6+6}{6} \\ &:= \frac{7777777+77}{7+7} + \frac{777777+77+7+7}{7} = \frac{8888888+88}{8+8} + \frac{888888+88+8+8}{8} = \frac{9999999+99}{9+9} + \frac{999999+99+9+9}{9} \end{aligned}$$

686

$$\begin{aligned} &:= \frac{(111+111+111+11-1) \times (1+1)}{1 \times 1} = \frac{(222+222+222+22-2) \times (2+2)}{2 \times 2} = \frac{(333+333+333+33-3) \times (3+3)}{3 \times 3} \\ &:= \frac{(444+444+444+44-4) \times (4+4)}{4 \times 4} = \frac{(555+555+555+55-5) \times (5+5)}{5 \times 5} = \frac{(666+666+666+66-6) \times (6+6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(777+777+777+77-7) \times (7+7)}{7 \times 7} = \frac{(888+888+888+88-8) \times (8+8)}{8 \times 8} = \frac{(999+999+999+99-9) \times (9+9)}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{2686} &:= \frac{(1111+111+111+11-1) \times (1+1)}{1 \times 1} = \frac{(2222+222+222+22-2) \times (2+2)}{2 \times 2} = \frac{(3333+333+333+33-3) \times (3+3)}{3 \times 3} \\ &:= \frac{(4444+444+444+44-4) \times (4+4)}{4 \times 4} = \frac{(5555+555+555+55-5) \times (5+5)}{5 \times 5} = \frac{(6666+666+666+66-6) \times (6+6)}{6 \times 6} \\ &:= \frac{(7777+777+777+77-7) \times (7+7)}{7 \times 7} = \frac{(8888+888+888+88-8) \times (8+8)}{8 \times 8} = \frac{(9999+999+999+99-9) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22686} &:= \frac{(11111+111+111+11-1) \times (1+1)}{1 \times 1} = \frac{(22222+222+222+22-2) \times (2+2)}{2 \times 2} = \frac{(33333+333+333+33-3) \times (3+3)}{3 \times 3} \\ &:= \frac{(44444+444+444+44-4) \times (4+4)}{4 \times 4} = \frac{(55555+555+555+55-5) \times (5+5)}{5 \times 5} = \frac{(66666+666+666+66-6) \times (6+6)}{6 \times 6} \\ &:= \frac{(77777+777+777+77-7) \times (7+7)}{7 \times 7} = \frac{(88888+888+888+88-8) \times (8+8)}{8 \times 8} = \frac{(99999+999+999+99-9) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222686} &:= \frac{(111111+111+111+11-1) \times (1+1)}{1 \times 1} = \frac{(222222+222+222+22-2) \times (2+2)}{2 \times 2} = \frac{(333333+333+333+33-3) \times (3+3)}{3 \times 3} \\ &:= \frac{(444444+444+444+44-4) \times (4+4)}{4 \times 4} = \frac{(555555+555+555+55-5) \times (5+5)}{5 \times 5} = \frac{(666666+666+666+66-6) \times (6+6)}{6 \times 6} \\ &:= \frac{(777777+777+777+77-7) \times (7+7)}{7 \times 7} = \frac{(888888+888+888+88-8) \times (8+8)}{8 \times 8} = \frac{(999999+999+999+99-9) \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{687} &:= \frac{(111+111+111+11) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(222+222+222+22) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(333+333+333+33) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+444+444+44) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(555+555+555+55) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(666+666+666+66) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777+777+777+77) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(888+888+888+88) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(999+999+999+99) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2687} &:= \frac{(1111+111+111+11) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(2222+222+222+22) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(3333+333+333+33) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+444+444+44) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(5555+555+555+55) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(6666+666+666+66) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+777+777+77) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(8888+888+888+88) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(9999+999+999+99) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22687} &:= \frac{(11111+111+111+11) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(22222+222+222+22) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(33333+333+333+33) \times (3+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+444+444+44) \times (4+4) - 4 \times 4}{4 \times 4} = \frac{(55555+555+555+55) \times (5+5) - 5 \times 5}{5 \times 5} = \frac{(66666+666+666+66) \times (6+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+777+777+77) \times (7+7) - 7 \times 7}{7 \times 7} = \frac{(88888+888+888+88) \times (8+8) - 8 \times 8}{8 \times 8} = \frac{(99999+999+999+99) \times (9+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\textcolor{red}{222687} := \frac{(111111+111+111+11) \times (1+1) - 1 \times 1}{1 \times 1} = \frac{(222222+222+222+22) \times (2+2) - 2 \times 2}{2 \times 2} = \frac{(333333+333+333+33) \times (3+3) - 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444444 + 444 + 444 + 44) \times (4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 555 + 55) \times (5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 666 + 66) \times (6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 + 777 + 77) \times (7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 888 + 88) \times (8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 999 + 99) \times (9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► **688** := $\frac{(111 + 111 + 111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 333 + 33) \times (3 + 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 444 + 444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

2688 := $\frac{(1111 + 111 + 111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 333 + 33) \times (3 + 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444 + 444 + 444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

22688 := $\frac{(11111 + 111 + 111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 333 + 33) \times (3 + 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444 + 444 + 444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

222688 := $\frac{(111111 + 111 + 111 + 11) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 222 + 22) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 333 + 33) \times (3 + 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444444 + 444 + 444 + 44) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 555 + 55) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 666 + 66) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 777 + 77) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 888 + 88) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 999 + 99) \times (9 + 9)}{9 \times 9} \end{aligned}$$

► **689** := $\frac{(111 + 111 + 111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 444 + 444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

2689 := $\frac{(1111 + 111 + 111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444 + 444 + 444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 777 + 777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

22689

$$\begin{aligned}
 &:= \frac{(11111 + 111 + 111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(44444 + 444 + 444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\
 &:= \frac{(77777 + 777 + 777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9}
 \end{aligned}$$

222689

$$\begin{aligned}
 &:= \frac{(111111 + 111 + 111 + 11) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 222 + 22) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 333 + 33) \times (3 + 3) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(444444 + 444 + 444 + 44) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 555 + 55) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 666 + 66) \times (6 + 6) + 6 \times 6}{6 \times 6} \\
 &:= \frac{(777777 + 777 + 777 + 77) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 888 + 88) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 999 + 99) \times (9 + 9) + 9 \times 9}{9 \times 9}
 \end{aligned}$$

► 690

$$\begin{aligned}
 &:= \frac{(111 + 111 + 111 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 222 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 333 + 33 + 3) \times (3 + 3)}{3 \times 3} \\
 &:= \frac{(444 + 444 + 444 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 555 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 666 + 66 + 6) \times (6 + 6)}{6 \times 6} \\
 &:= \frac{(777 + 777 + 777 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 888 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 999 + 99 + 9) \times (9 + 9)}{9 \times 9}
 \end{aligned}$$

2690

$$\begin{aligned}
 &:= \frac{(1111 + 111 + 111 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 222 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 333 + 33 + 3) \times (3 + 3)}{3 \times 3} \\
 &:= \frac{(4444 + 444 + 444 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 555 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 666 + 66 + 6) \times (6 + 6)}{6 \times 6} \\
 &:= \frac{(7777 + 777 + 777 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 888 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 999 + 99 + 9) \times (9 + 9)}{9 \times 9}
 \end{aligned}$$

22690

$$\begin{aligned}
 &:= \frac{(11111 + 111 + 111 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 222 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 333 + 33 + 3) \times (3 + 3)}{3 \times 3} \\
 &:= \frac{(44444 + 444 + 444 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 555 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 666 + 66 + 6) \times (6 + 6)}{6 \times 6} \\
 &:= \frac{(77777 + 777 + 777 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 888 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 999 + 99 + 9) \times (9 + 9)}{9 \times 9}
 \end{aligned}$$

222690

$$\begin{aligned}
 &:= \frac{(111111 + 111 + 111 + 11 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 222 + 22 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 333 + 33 + 3) \times (3 + 3)}{3 \times 3} \\
 &:= \frac{(444444 + 444 + 444 + 44 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 555 + 55 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 666 + 66 + 6) \times (6 + 6)}{6 \times 6} \\
 &:= \frac{(777777 + 777 + 777 + 77 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 888 + 88 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 999 + 99 + 9) \times (9 + 9)}{9 \times 9}
 \end{aligned}$$

► 691

$$\begin{aligned}
 &:= \frac{(111 + 111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3}
 \end{aligned}$$

$$\begin{aligned} &:= \frac{(444 + 444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2691} &:= \frac{(1111 + 111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{22691} &:= \frac{(11111 + 111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222691} &:= \frac{(111111 + 111 + 111 + 11 + 1) \times (1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 222 + 22 + 2) \times (2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 333 + 33 + 3) \times (3 + 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 444 + 444 + 44 + 4) \times (4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 555 + 55 + 5) \times (5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 666 + 66 + 6) \times (6 + 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 + 777 + 77 + 7) \times (7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 888 + 88 + 8) \times (8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 999 + 99 + 9) \times (9 + 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{692} &:= \frac{(111 + 111 + 111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{2692} &:= \frac{(1111 + 111 + 111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{222692} &:= \frac{(11111 + 111 + 111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 + 444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

222692

$$\begin{aligned} &:= \frac{(111111 + 111 + 111 + 11 + 1 + 1) \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 222 + 22 + 2 + 2) \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 333 + 33 + 3 + 3) \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 444 + 44 + 4 + 4) \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 555 + 55 + 5 + 5) \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 666 + 66 + 6 + 6) \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 777 + 77 + 7 + 7) \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 888 + 88 + 8 + 8) \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 999 + 99 + 9 + 9) \times (9 + 9)}{9 \times 9} \end{aligned}$$

693

$$\begin{aligned} &:= \frac{(11 + 11 + 11) \times (11 + 11 - 1)}{1 \times 1} = \frac{(22 + 22 + 22) \times (22 + 22 - 2)}{2 \times 2} = \frac{(33 + 33 + 33) \times (33 + 33 - 3)}{3 \times 3} \\ &:= \frac{(44 + 44 + 44) \times (44 + 44 - 4)}{4 \times 4} = \frac{(55 + 55 + 55) \times (55 + 55 - 5)}{5 \times 5} = \frac{(66 + 66 + 66) \times (66 + 66 - 6)}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (77 + 77 - 7)}{7 \times 7} = \frac{(88 + 88 + 88) \times (88 + 88 - 8)}{8 \times 8} = \frac{(99 + 99 + 99) \times (99 + 99 - 9)}{9 \times 9} \end{aligned}$$

6993

$$\begin{aligned} &:= \frac{(111 + 111 + 111) \times (11 + 11 - 1)}{1 \times 1} = \frac{(222 + 222 + 222) \times (22 + 22 - 2)}{2 \times 2} = \frac{(333 + 333 + 333) \times (33 + 33 - 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 444) \times (44 + 44 - 4)}{4 \times 4} = \frac{(555 + 555 + 555) \times (55 + 55 - 5)}{5 \times 5} = \frac{(666 + 666 + 666) \times (66 + 66 - 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 777) \times (77 + 77 - 7)}{7 \times 7} = \frac{(888 + 888 + 888) \times (88 + 88 - 8)}{8 \times 8} = \frac{(999 + 999 + 999) \times (99 + 99 - 9)}{9 \times 9} \end{aligned}$$

69993

$$\begin{aligned} &:= \frac{(1111 + 1111 + 1111) \times (11 + 11 - 1)}{1 \times 1} = \frac{(2222 + 2222 + 2222) \times (22 + 22 - 2)}{2 \times 2} = \frac{(3333 + 3333 + 3333) \times (33 + 33 - 3)}{3 \times 3} \\ &:= \frac{(4444 + 4444 + 4444) \times (44 + 44 - 4)}{4 \times 4} = \frac{(5555 + 5555 + 5555) \times (55 + 55 - 5)}{5 \times 5} = \frac{(6666 + 6666 + 6666) \times (66 + 66 - 6)}{6 \times 6} \\ &:= \frac{(7777 + 7777 + 7777) \times (77 + 77 - 7)}{7 \times 7} = \frac{(8888 + 8888 + 8888) \times (88 + 88 - 8)}{8 \times 8} = \frac{(9999 + 9999 + 9999) \times (99 + 99 - 9)}{9 \times 9} \end{aligned}$$

699993

$$\begin{aligned} &:= \frac{(11111 + 11111 + 11111) \times (11 + 11 - 1)}{1 \times 1} = \frac{(22222 + 22222 + 22222) \times (22 + 22 - 2)}{2 \times 2} = \frac{(33333 + 33333 + 33333) \times (33 + 33 - 3)}{3 \times 3} \\ &:= \frac{(44444 + 44444 + 44444) \times (44 + 44 - 4)}{4 \times 4} = \frac{(55555 + 55555 + 55555) \times (55 + 55 - 5)}{5 \times 5} = \frac{(66666 + 66666 + 66666) \times (66 + 66 - 6)}{6 \times 6} \\ &:= \frac{(77777 + 77777 + 77777) \times (77 + 77 - 7)}{7 \times 7} = \frac{(88888 + 88888 + 88888) \times (88 + 88 - 8)}{8 \times 8} = \frac{(99999 + 99999 + 99999) \times (99 + 99 - 9)}{9 \times 9} \end{aligned}$$

694

$$\begin{aligned} &:= \frac{(11 + 11 + 11) \times (11 + 11 - 1) + 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (22 + 22 - 2) + 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (33 + 33 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44 + 44 + 44) \times (44 + 44 - 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (55 + 55 - 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (66 + 66 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77 + 77 + 77) \times (77 + 77 - 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (88 + 88 - 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (99 + 99 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

6994

$$\begin{aligned} &:= \frac{(111 + 111 + 111) \times (11 + 11 - 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 222) \times (22 + 22 - 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 333) \times (33 + 33 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444 + 444) \times (44 + 44 - 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 555) \times (55 + 55 - 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 666) \times (66 + 66 - 6) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(777+777+777) \times (77+77-7) + 7 \times 7}{7 \times 7} = \frac{(888+888+888) \times (88+88-8) + 8 \times 8}{8 \times 8} = \frac{(999+999+999) \times (99+99-9) + 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{69994} &:= \frac{(1111+1111+1111) \times (11+11-1) + 1 \times 1}{1 \times 1} = \frac{(2222+2222+2222) \times (22+22-2) + 2 \times 2}{2 \times 2} = \frac{(3333+3333+3333) \times (33+33-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4444+4444) \times (44+44-4) + 4 \times 4}{4 \times 4} = \frac{(5555+5555+5555) \times (55+55-5) + 5 \times 5}{5 \times 5} = \frac{(6666+6666+6666) \times (66+66-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7777+7777) \times (77+77-7) + 7 \times 7}{7 \times 7} = \frac{(8888+8888+8888) \times (88+88-8) + 8 \times 8}{8 \times 8} = \frac{(9999+9999+9999) \times (99+99-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{699994} &:= \frac{(11111+11111+11111) \times (11+11-1) + 1 \times 1}{1 \times 1} = \frac{(22222+22222+22222) \times (22+22-2) + 2 \times 2}{2 \times 2} = \frac{(33333+33333+33333) \times (33+33-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+44444+44444) \times (44+44-4) + 4 \times 4}{4 \times 4} = \frac{(55555+55555+55555) \times (55+55-5) + 5 \times 5}{5 \times 5} = \frac{(66666+66666+66666) \times (66+66-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+77777+77777) \times (77+77-7) + 7 \times 7}{7 \times 7} = \frac{(88888+88888+88888) \times (88+88-8) + 8 \times 8}{8 \times 8} = \frac{(99999+99999+99999) \times (99+99-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{695} &:= \frac{1111+11}{1+1} + \frac{111+11+11+1}{1} = \frac{2222+22}{2+2} + \frac{222+22+22+2}{2} = \frac{3333+33}{3+3} + \frac{333+33+33+3}{3} \\ &:= \frac{4444+44}{4+4} + \frac{444+44+44+4}{4} = \frac{5555+55}{5+5} + \frac{555+55+55+5}{5} = \frac{6666+66}{6+6} + \frac{666+66+66+6}{6} \\ &:= \frac{7777+77}{7+7} + \frac{777+77+77+7}{7} = \frac{8888+88}{8+8} + \frac{888+88+88+8}{8} = \frac{9999+99}{9+9} + \frac{999+99+99+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{6695} &:= \frac{11111+11}{1+1} + \frac{1111+11+11+1}{1} = \frac{22222+22}{2+2} + \frac{2222+22+22+2}{2} = \frac{33333+33}{3+3} + \frac{3333+33+33+3}{3} \\ &:= \frac{44444+44}{4+4} + \frac{4444+44+44+4}{4} = \frac{55555+55}{5+5} + \frac{5555+55+55+5}{5} = \frac{66666+66}{6+6} + \frac{6666+66+66+6}{6} \\ &:= \frac{77777+77}{7+7} + \frac{7777+77+77+7}{7} = \frac{88888+88}{8+8} + \frac{8888+88+88+8}{8} = \frac{99999+99}{9+9} + \frac{9999+99+99+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{66695} &:= \frac{111111+11}{1+1} + \frac{11111+11+11+1}{1} = \frac{222222+22}{2+2} + \frac{22222+22+22+2}{2} = \frac{333333+33}{3+3} + \frac{33333+33+33+3}{3} \\ &:= \frac{444444+44}{4+4} + \frac{44444+44+44+4}{4} = \frac{555555+55}{5+5} + \frac{55555+55+55+5}{5} = \frac{666666+66}{6+6} + \frac{66666+66+66+6}{6} \\ &:= \frac{777777+77}{7+7} + \frac{77777+77+77+7}{7} = \frac{888888+88}{8+8} + \frac{88888+88+88+8}{8} = \frac{999999+99}{9+9} + \frac{99999+99+99+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{666695} &:= \frac{1111111+11}{1+1} + \frac{111111+11+11+1}{1} = \frac{2222222+22}{2+2} + \frac{222222+22+22+2}{2} = \frac{3333333+33}{3+3} + \frac{333333+33+33+3}{3} \\ &:= \frac{4444444+44}{4+4} + \frac{444444+44+44+4}{4} = \frac{5555555+55}{5+5} + \frac{555555+55+55+5}{5} = \frac{6666666+66}{6+6} + \frac{666666+66+66+6}{6} \\ &:= \frac{7777777+77}{7+7} + \frac{777777+77+77+7}{7} = \frac{8888888+88}{8+8} + \frac{888888+88+88+8}{8} = \frac{9999999+99}{9+9} + \frac{999999+99+99+9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{696} := \frac{(111+111+11-1) \times (1+1+1)}{1 \times 1} = \frac{(222+222+22-2) \times (2+2+2)}{2 \times 2} = \frac{(333+333+33-3) \times (3+3+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 444 + 44 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 77 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3696} &:= \frac{(1111 + 111 + 11 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33696} &:= \frac{(11111 + 111 + 11 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333696} &:= \frac{(111111 + 111 + 11 - 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 - 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 - 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44 - 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 - 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 - 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77 - 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 - 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 - 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{697} &:= \frac{(111 + 111 + 11) \times (1 + 1 + 1) - 1 \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22) \times (2 + 2 + 2) - 2 \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33) \times (3 + 3 + 3) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 44) \times (4 + 4 + 4) - 4 \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55) \times (5 + 5 + 5) - 5 \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66) \times (6 + 6 + 6) - 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 77) \times (7 + 7 + 7) - 7 \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88) \times (8 + 8 + 8) - 8 \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99) \times (9 + 9 + 9) - 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3697} &:= \frac{(1111 + 111 + 11) \times (1 + 1 + 1) - 1 \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2 + 2) - 2 \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3 + 3) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44) \times (4 + 4 + 4) - 4 \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5 + 5) - 5 \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6 + 6) - 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77) \times (7 + 7 + 7) - 7 \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8 + 8) - 8 \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9 + 9) - 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333697} &:= \frac{(11111 + 111 + 11) \times (1 + 1 + 1) - 1 \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22) \times (2 + 2 + 2) - 2 \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33) \times (3 + 3 + 3) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44) \times (4 + 4 + 4) - 4 \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55) \times (5 + 5 + 5) - 5 \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66) \times (6 + 6 + 6) - 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77) \times (7 + 7 + 7) - 7 \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88) \times (8 + 8 + 8) - 8 \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99) \times (9 + 9 + 9) - 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

333697

$$\begin{aligned} &:= \frac{(111111 + 111 + 11) \times (1 + 1 + 1) - 1 \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22) \times (2 + 2 + 2) - 2 \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33) \times (3 + 3 + 3) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44) \times (4 + 4 + 4) - 4 \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55) \times (5 + 5 + 5) - 5 \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66) \times (6 + 6 + 6) - 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77) \times (7 + 7 + 7) - 7 \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88) \times (8 + 8 + 8) - 8 \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99) \times (9 + 9 + 9) - 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

698

$$\begin{aligned} &:= \frac{(111 + 111 + 11) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 22) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 33) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 + 444 + 44) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 55) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 66) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

3698

$$\begin{aligned} &:= \frac{(1111 + 111 + 11) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

333698

$$\begin{aligned} &:= \frac{(11111 + 111 + 11) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 22) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 33) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 55) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 66) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

333698

$$\begin{aligned} &:= \frac{(111111 + 111 + 11) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 22) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 33) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 55) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 66) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 88) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 99) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

699

$$\begin{aligned} &:= \frac{(111 + 111 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

3699

$$\begin{aligned} &:= \frac{(1111 + 111 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6 + 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 777 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9 + 9)}{9 \times 9}$$

33699 := $\frac{(11111 + 111 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44444 + 444 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 777 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99) \times (9 + 9 + 9)}{9 \times 9}$$

333699 := $\frac{(111111 + 111 + 11) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33) \times (3 + 3 + 3)}{3 \times 3}$

$$:= \frac{(444444 + 444 + 44) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 777 + 77) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99) \times (9 + 9 + 9)}{9 \times 9}$$

► **700** := $\frac{(111 + 111 + 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444 + 444 + 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 777 + 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

3700 := $\frac{(1111 + 111 + 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(4444 + 444 + 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 777 + 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

33700 := $\frac{(11111 + 111 + 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(44444 + 444 + 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 777 + 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

333700 := $\frac{(111111 + 111 + 11) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 22) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 33) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444444 + 444 + 44) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 55) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 66) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 777 + 77) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 88) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 99) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

► **701** := $\frac{(111 + 111 + 11 + 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 22 + 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 33 + 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 + 444 + 44 + 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 55 + 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 66 + 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 77 + 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 88 + 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 99 + 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3701} &:= \frac{(1111 + 111 + 11 + 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 22 + 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 33 + 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44 + 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 55 + 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 66 + 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77 + 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 88 + 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 99 + 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33701} &:= \frac{(11111 + 111 + 11 + 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 22 + 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 33 + 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44 + 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 55 + 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 66 + 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77 + 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 88 + 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 99 + 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{333701} &:= \frac{(111111 + 111 + 11 + 1) \times (1 + 1 + 1) - 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 22 + 2) \times (2 + 2 + 2) - 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 33 + 3) \times (3 + 3 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 + 444 + 44 + 4) \times (4 + 4 + 4) - 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 55 + 5) \times (5 + 5 + 5) - 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 66 + 6) \times (6 + 6 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 + 777 + 77 + 7) \times (7 + 7 + 7) - 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 88 + 8) \times (8 + 8 + 8) - 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 99 + 9) \times (9 + 9 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{702} &:= \frac{(111 + 111 + 11 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33 + 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(444 + 444 + 44 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 + 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(777 + 777 + 77 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 + 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{3702} &:= \frac{(1111 + 111 + 11 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 + 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(4444 + 444 + 44 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 + 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(7777 + 777 + 77 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 + 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{33702} &:= \frac{(11111 + 111 + 11 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33 + 3) \times (3 + 3 + 3)}{3 \times 3} \\ &:= \frac{(44444 + 444 + 44 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66 + 6) \times (6 + 6 + 6)}{6 \times 6} \\ &:= \frac{(77777 + 777 + 77 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99 + 9) \times (9 + 9 + 9)}{9 \times 9} \end{aligned}$$

333702 :=
$$\frac{(111111 + 111 + 11 + 1) \times (1 + 1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 + 2) \times (2 + 2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 + 3) \times (3 + 3 + 3)}{3 \times 3}$$
$$:= \frac{(444444 + 444 + 44 + 4) \times (4 + 4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 + 5) \times (5 + 5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 + 6) \times (6 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 777 + 77 + 7) \times (7 + 7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 + 8) \times (8 + 8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 + 9) \times (9 + 9 + 9)}{9 \times 9}$$

703 :=
$$\frac{(111 + 111 + 11 + 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 22 + 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 33 + 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(444 + 444 + 44 + 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 55 + 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 66 + 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 777 + 77 + 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 88 + 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 99 + 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

3703 :=
$$\frac{(1111 + 111 + 11 + 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 222 + 22 + 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 333 + 33 + 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(4444 + 444 + 44 + 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 555 + 55 + 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 666 + 66 + 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 777 + 77 + 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 888 + 88 + 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 999 + 99 + 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

33703 :=
$$\frac{(11111 + 111 + 11 + 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 222 + 22 + 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 333 + 33 + 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(44444 + 444 + 44 + 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 555 + 55 + 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 666 + 66 + 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 777 + 77 + 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 888 + 88 + 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 999 + 99 + 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

333703 :=
$$\frac{(111111 + 111 + 11 + 1) \times (1 + 1 + 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 222 + 22 + 2) \times (2 + 2 + 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 333 + 33 + 3) \times (3 + 3 + 3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(444444 + 444 + 44 + 4) \times (4 + 4 + 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 555 + 55 + 5) \times (5 + 5 + 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 666 + 66 + 6) \times (6 + 6 + 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 777 + 77 + 7) \times (7 + 7 + 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 888 + 88 + 8) \times (8 + 8 + 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 999 + 99 + 9) \times (9 + 9 + 9) + 9 \times 9}{9 \times 9}$$

704 :=
$$\frac{(111 + 111 + 11 + 1) \times (1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(222 + 222 + 22 + 2) \times (2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(333 + 333 + 33 + 3) \times (3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444 + 444 + 44 + 4) \times (4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(555 + 555 + 55 + 5) \times (5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(666 + 666 + 66 + 6) \times (6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777 + 777 + 77 + 7) \times (7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(888 + 888 + 88 + 8) \times (8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(999 + 999 + 99 + 9) \times (9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9}$$

3704 :=
$$\frac{(1111 + 111 + 11 + 1) \times (1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(2222 + 222 + 22 + 2) \times (2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(3333 + 333 + 33 + 3) \times (3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(4444 + 444 + 44 + 4) \times (4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(5555 + 555 + 55 + 5) \times (5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(6666 + 666 + 66 + 6) \times (6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6}$$

$$:= \frac{(7777 + 777 + 77 + 7) \times (7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(8888 + 888 + 88 + 8) \times (8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(9999 + 999 + 99 + 9) \times (9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9}$$

33704

$$:= \frac{(11111 + 111 + 11 + 1) \times (1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(22222 + 222 + 22 + 2) \times (2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(33333 + 333 + 33 + 3) \times (3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(44444 + 444 + 44 + 4) \times (4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(55555 + 555 + 55 + 5) \times (5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(66666 + 666 + 66 + 6) \times (6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(77777 + 777 + 77 + 7) \times (7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(88888 + 888 + 88 + 8) \times (8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(99999 + 999 + 99 + 9) \times (9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9}$$

333704

$$:= \frac{(111111 + 111 + 11 + 1) \times (1 + 1 + 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(222222 + 222 + 22 + 2) \times (2 + 2 + 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(333333 + 333 + 33 + 3) \times (3 + 3 + 3) + 3 \times (3 + 3)}{3 \times 3}$$
$$:= \frac{(444444 + 444 + 44 + 4) \times (4 + 4 + 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(555555 + 555 + 55 + 5) \times (5 + 5 + 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(666666 + 666 + 66 + 6) \times (6 + 6 + 6) + 6 \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777777 + 777 + 77 + 7) \times (7 + 7 + 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(888888 + 888 + 88 + 8) \times (8 + 8 + 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(999999 + 999 + 99 + 9) \times (9 + 9 + 9) + 9 \times (9 + 9)}{9 \times 9}$$

► 705

$$:= \frac{1111 + 11}{1 + 1} + \frac{111 + 11 + 11 + 11}{1} = \frac{2222 + 22}{2 + 2} + \frac{222 + 22 + 22 + 22}{2} = \frac{3333 + 33}{3 + 3} + \frac{333 + 33 + 33 + 33}{3}$$
$$:= \frac{4444 + 44}{4 + 4} + \frac{444 + 44 + 44 + 44}{4} = \frac{5555 + 55}{5 + 5} + \frac{555 + 55 + 55 + 55}{5} = \frac{6666 + 66}{6 + 6} + \frac{666 + 66 + 66 + 66}{6}$$
$$:= \frac{7777 + 77}{7 + 7} + \frac{777 + 77 + 77 + 77}{7} = \frac{8888 + 88}{8 + 8} + \frac{888 + 88 + 88 + 88}{8} = \frac{9999 + 99}{9 + 9} + \frac{999 + 99 + 99 + 99}{9}$$

6705

$$:= \frac{11111 + 11}{1 + 1} + \frac{1111 + 11 + 11 + 11}{1} = \frac{22222 + 22}{2 + 2} + \frac{2222 + 22 + 22 + 22}{2} = \frac{33333 + 33}{3 + 3} + \frac{3333 + 33 + 33 + 33}{3}$$
$$:= \frac{44444 + 44}{4 + 4} + \frac{4444 + 44 + 44 + 44}{4} = \frac{55555 + 55}{5 + 5} + \frac{5555 + 55 + 55 + 55}{5} = \frac{66666 + 66}{6 + 6} + \frac{6666 + 66 + 66 + 66}{6}$$
$$:= \frac{77777 + 77}{7 + 7} + \frac{7777 + 77 + 77 + 77}{7} = \frac{88888 + 88}{8 + 8} + \frac{8888 + 88 + 88 + 88}{8} = \frac{99999 + 99}{9 + 9} + \frac{9999 + 99 + 99 + 99}{9}$$

66705

$$:= \frac{111111 + 11}{1 + 1} + \frac{11111 + 11 + 11 + 11}{1} = \frac{222222 + 22}{2 + 2} + \frac{22222 + 22 + 22 + 22}{2} = \frac{333333 + 33}{3 + 3} + \frac{33333 + 33 + 33 + 33}{3}$$
$$:= \frac{444444 + 44}{4 + 4} + \frac{44444 + 44 + 44 + 44}{4} = \frac{555555 + 55}{5 + 5} + \frac{55555 + 55 + 55 + 55}{5} = \frac{666666 + 66}{6 + 6} + \frac{66666 + 66 + 66 + 66}{6}$$
$$:= \frac{777777 + 77}{7 + 7} + \frac{77777 + 77 + 77 + 77}{7} = \frac{888888 + 88}{8 + 8} + \frac{88888 + 88 + 88 + 88}{8} = \frac{999999 + 99}{9 + 9} + \frac{99999 + 99 + 99 + 99}{9}$$

666705

$$:= \frac{1111111 + 11}{1 + 1} + \frac{111111 + 11 + 11 + 11}{1} = \frac{2222222 + 22}{2 + 2} + \frac{222222 + 22 + 22 + 22}{2} = \frac{3333333 + 33}{3 + 3} + \frac{333333 + 33 + 33 + 33}{3}$$
$$:= \frac{4444444 + 44}{4 + 4} + \frac{444444 + 44 + 44 + 44}{4} = \frac{5555555 + 55}{5 + 5} + \frac{555555 + 55 + 55 + 55}{5} = \frac{6666666 + 66}{6 + 6} + \frac{666666 + 66 + 66 + 66}{6}$$
$$:= \frac{7777777 + 77}{7 + 7} + \frac{777777 + 77 + 77 + 77}{7} = \frac{8888888 + 88}{8 + 8} + \frac{888888 + 88 + 88 + 88}{8} = \frac{9999999 + 99}{9 + 9} + \frac{999999 + 99 + 99 + 99}{9}$$

► 706

$$:= \frac{1111 + 11}{1 + 1} + \frac{111 + 11 + 11 + 11 + 1}{1} = \frac{2222 + 22}{2 + 2} + \frac{222 + 22 + 22 + 22 + 2}{2} = \frac{3333 + 33}{3 + 3} + \frac{333 + 33 + 33 + 33 + 3}{3}$$

$$\begin{aligned} &:= \frac{4444+44}{4+4} + \frac{444+44+44+44+4}{4} = \frac{5555+55}{5+5} + \frac{555+55+55+55+5}{5} = \frac{6666+66}{6+6} + \frac{666+66+66+66+6}{6} \\ &:= \frac{7777+77}{7+7} + \frac{777+77+77+77+7}{7} = \frac{8888+88}{8+8} + \frac{888+88+88+88+8}{8} = \frac{9999+99}{9+9} + \frac{999+99+99+99+9}{9} \end{aligned}$$

6706 := $\frac{11111+11}{1+1} + \frac{1111+11+11+11+1}{1} = \frac{22222+22}{2+2} + \frac{2222+22+22+22+2}{2} = \frac{33333+33}{3+3} + \frac{3333+33+33+33+3}{3}$

$$\begin{aligned} &:= \frac{44444+44}{4+4} + \frac{4444+44+44+44+4}{4} = \frac{55555+55}{5+5} + \frac{5555+55+55+55+5}{5} = \frac{66666+66}{6+6} + \frac{6666+66+66+66+6}{6} \\ &:= \frac{77777+77}{7+7} + \frac{7777+77+77+77+7}{7} = \frac{88888+88}{8+8} + \frac{8888+88+88+88+8}{8} = \frac{99999+99}{9+9} + \frac{9999+99+99+99+9}{9} \end{aligned}$$

66706 := $\frac{111111+11}{1+1} + \frac{11111+11+11+11+1}{1} = \frac{222222+22}{2+2} + \frac{22222+22+22+22+2}{2} = \frac{333333+33}{3+3} + \frac{33333+33+33+33+3}{3}$

$$\begin{aligned} &:= \frac{444444+44}{4+4} + \frac{44444+44+44+44+4}{4} = \frac{555555+55}{5+5} + \frac{55555+55+55+55+5}{5} = \frac{666666+66}{6+6} + \frac{66666+66+66+66+6}{6} \\ &:= \frac{777777+77}{7+7} + \frac{77777+77+77+77+7}{7} = \frac{888888+88}{8+8} + \frac{88888+88+88+88+8}{8} = \frac{999999+99}{9+9} + \frac{99999+99+99+99+9}{9} \end{aligned}$$

666706 := $\frac{1111111+11}{1+1} + \frac{111111+11+11+11+1}{1} = \frac{2222222+22}{2+2} + \frac{222222+22+22+22+2}{2} = \frac{3333333+33}{3+3} + \frac{333333+33+33+33+3}{3}$

$$\begin{aligned} &:= \frac{4444444+44}{4+4} + \frac{444444+44+44+44+4}{4} = \frac{5555555+55}{5+5} + \frac{555555+55+55+55+5}{5} = \frac{6666666+66}{6+6} + \frac{666666+66+66+66+6}{6} \\ &:= \frac{7777777+77}{7+7} + \frac{777777+77+77+77+7}{7} = \frac{8888888+88}{8+8} + \frac{888888+88+88+88+8}{8} = \frac{9999999+99}{9+9} + \frac{999999+99+99+99+9}{9} \end{aligned}$$

► **707** := $\frac{11+1+1+1) \times 1111}{(11 \times (1+1))} = \frac{22+2+2+2) \times 2222}{(22 \times (2+2))} = \frac{33+3+3+3) \times 3333}{(33 \times (3+3))}$

$$\begin{aligned} &:= \frac{44+4+4+4) \times 4444}{(44 \times (4+4))} = \frac{55+5+5+5) \times 5555}{(55 \times (5+5))} = \frac{66+6+6+6) \times 6666}{(66 \times (6+6))} \\ &:= \frac{77+7+7+7) \times 7777}{(77 \times (7+7))} = \frac{88+8+8+8) \times 8888}{(88 \times (8+8))} = \frac{99+9+9+9) \times 9999}{(99 \times (9+9))} \end{aligned}$$

70707 := $\frac{11+1+1+1) \times 111111}{(11 \times (1+1))} = \frac{22+2+2+2) \times 222222}{(22 \times (2+2))} = \frac{33+3+3+3) \times 333333}{(33 \times (3+3))}$

$$\begin{aligned} &:= \frac{44+4+4+4) \times 444444}{(44 \times (4+4))} = \frac{55+5+5+5) \times 555555}{(55 \times (5+5))} = \frac{66+6+6+6) \times 666666}{(66 \times (6+6))} \\ &:= \frac{77+7+7+7) \times 777777}{(77 \times (7+7))} = \frac{88+8+8+8) \times 888888}{(88 \times (8+8))} = \frac{99+9+9+9) \times 999999}{(99 \times (9+9))} \end{aligned}$$

7070707 := $\frac{11+1+1+1) \times 11111111}{(11 \times (1+1))} = \frac{22+2+2+2) \times 22222222}{(22 \times (2+2))} = \frac{33+3+3+3) \times 33333333}{(33 \times (3+3))}$

$$\begin{aligned} &:= \frac{44+4+4+4) \times 44444444}{(44 \times (4+4))} = \frac{55+5+5+5) \times 55555555}{(55 \times (5+5))} = \frac{66+6+6+6) \times 66666666}{(66 \times (6+6))} \\ &:= \frac{77+7+7+7) \times 77777777}{(77 \times (7+7))} = \frac{88+8+8+8) \times 88888888}{(88 \times (8+8))} = \frac{99+9+9+9) \times 99999999}{(99 \times (9+9))} \end{aligned}$$

707070707

$$\begin{aligned} &:= \frac{11+1+1+1) \times 1111111111}{(11 \times (1+1))} = \frac{22+2+2+2) \times 2222222222}{(22 \times (2+2))} = \frac{33+3+3+3) \times 3333333333}{(33 \times (3+3))} \\ &:= \frac{44+4+4+4) \times 4444444444}{(44 \times (4+4))} = \frac{55+5+5+5) \times 5555555555}{(55 \times (5+5))} = \frac{66+6+6+6) \times 6666666666}{(66 \times (6+6))} \\ &:= \frac{77+7+7+7) \times 7777777777}{(77 \times (7+7))} = \frac{88+8+8+8) \times 8888888888}{(88 \times (8+8))} = \frac{99+9+9+9) \times 9999999999}{(99 \times (9+9))} \end{aligned}$$

708

$$\begin{aligned} &:= \frac{(11+1+1+1) \times 1111+11 \times (1+1)}{11 \times (1+1)} = \frac{(22+2+2+2) \times 2222+22 \times (2+2)}{22 \times (2+2)} = \frac{(33+3+3+3) \times 3333+33 \times (3+3)}{33 \times (3+3)} \\ &:= \frac{(44+4+4+4) \times 4444+44 \times (4+4)}{44 \times (4+4)} = \frac{(55+5+5+5) \times 5555+55 \times (5+5)}{55 \times (5+5)} = \frac{(66+6+6+6) \times 6666+66 \times (6+6)}{66 \times (6+6)} \\ &:= \frac{(77+7+7+7) \times 7777+77 \times (7+7)}{77 \times (7+7)} = \frac{(88+8+8+8) \times 8888+88 \times (8+8)}{88 \times (8+8)} = \frac{(99+9+9+9) \times 9999+99 \times (9+9)}{99 \times (9+9)} \end{aligned}$$

70708

$$\begin{aligned} &:= \frac{(11+1+1+1) \times 111111+11 \times (1+1)}{11 \times (1+1)} = \frac{(22+2+2+2) \times 222222+22 \times (2+2)}{22 \times (2+2)} = \frac{(33+3+3+3) \times 333333+33 \times (3+3)}{33 \times (3+3)} \\ &:= \frac{(44+4+4+4) \times 444444+44 \times (4+4)}{44 \times (4+4)} = \frac{(55+5+5+5) \times 555555+55 \times (5+5)}{55 \times (5+5)} = \frac{(66+6+6+6) \times 666666+66 \times (6+6)}{66 \times (6+6)} \\ &:= \frac{(77+7+7+7) \times 777777+77 \times (7+7)}{77 \times (7+7)} = \frac{(88+8+8+8) \times 888888+88 \times (8+8)}{88 \times (8+8)} = \frac{(99+9+9+9) \times 999999+99 \times (9+9)}{99 \times (9+9)} \end{aligned}$$

7070708

$$\begin{aligned} &:= \frac{(11+1+1+1) \times 11111111+11 \times (1+1)}{11 \times (1+1)} = \frac{(22+2+2+2) \times 22222222+22 \times (2+2)}{22 \times (2+2)} = \frac{(33+3+3+3) \times 33333333+33 \times (3+3)}{33 \times (3+3)} \\ &:= \frac{(44+4+4+4) \times 44444444+44 \times (4+4)}{44 \times (4+4)} = \frac{(55+5+5+5) \times 55555555+55 \times (5+5)}{55 \times (5+5)} = \frac{(66+6+6+6) \times 66666666+66 \times (6+6)}{66 \times (6+6)} \\ &:= \frac{(77+7+7+7) \times 77777777+77 \times (7+7)}{77 \times (7+7)} = \frac{(88+8+8+8) \times 88888888+88 \times (8+8)}{88 \times (8+8)} = \frac{(99+9+9+9) \times 99999999+99 \times (9+9)}{99 \times (9+9)} \end{aligned}$$

707070708

$$\begin{aligned} &:= \frac{(11+1+1+1) \times 1111111111+11 \times (1+1)}{11 \times (1+1)} = \frac{(22+2+2+2) \times 2222222222+22 \times (2+2)}{22 \times (2+2)} = \frac{(33+3+3+3) \times 3333333333+33 \times (3+3)}{33 \times (3+3)} \\ &:= \frac{(44+4+4+4) \times 4444444444+44 \times (4+4)}{44 \times (4+4)} = \frac{(55+5+5+5) \times 5555555555+55 \times (5+5)}{55 \times (5+5)} = \frac{(66+6+6+6) \times 6666666666+66 \times (6+6)}{66 \times (6+6)} \\ &:= \frac{(77+7+7+7) \times 7777777777+77 \times (7+7)}{77 \times (7+7)} = \frac{(88+8+8+8) \times 8888888888+88 \times (8+8)}{88 \times (8+8)} = \frac{(99+9+9+9) \times 9999999999+99 \times (9+9)}{99 \times (9+9)} \end{aligned}$$

709

$$\begin{aligned} &:= \frac{(111-11) \times (11+1) + (111-1-1) \times (1+1)}{(1+1) \times 1} = \frac{(222-22) \times (22+2) + (222-2-2) \times (2+2)}{(2+2) \times 2} = \frac{(333-33) \times (33+3) + (333-3-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-44) \times (44+4) + (444-4-4) \times (4+4)}{(4+4) \times 4} = \frac{(555-55) \times (55+5) + (555-5-5) \times (5+5)}{(5+5) \times 5} = \frac{(666-66) \times (66+6) + (666-6-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-77) \times (77+7) + (777-7-7) \times (7+7)}{(7+7) \times 7} = \frac{(888-88) \times (88+8) + (888-8-8) \times (8+8)}{(8+8) \times 8} = \frac{(999-99) \times (99+9) + (999-9-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

6709

$$:= \frac{(1111-11) \times (11+1) + (111-1-1) \times (1+1)}{(1+1) \times 1} = \frac{(2222-22) \times (22+2) + (222-2-2) \times (2+2)}{(2+2) \times 2} = \frac{(3333-33) \times (33+3) + (333-3-3) \times (3+3)}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(4444 - 44) \times (44 + 4) + (444 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 - 55) \times (55 + 5) + (555 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 - 66) \times (66 + 6) + (666 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 - 77) \times (77 + 7) + (777 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 - 88) \times (88 + 8) + (888 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 - 99) \times (99 + 9) + (999 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66709

$$\begin{aligned} &:= \frac{(11111 - 11) \times (11 + 1) + (111 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 - 22) \times (22 + 2) + (222 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 - 33) \times (33 + 3) + (333 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 - 44) \times (44 + 4) + (444 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 - 55) \times (55 + 5) + (555 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 - 66) \times (66 + 6) + (666 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 - 77) \times (77 + 7) + (777 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 - 88) \times (88 + 8) + (888 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 - 99) \times (99 + 9) + (999 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666709

$$\begin{aligned} &:= \frac{(111111 - 11) \times (11 + 1) + (111 - 1 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 - 22) \times (22 + 2) + (222 - 2 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 - 33) \times (33 + 3) + (333 - 3 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 - 44) \times (44 + 4) + (444 - 4 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 - 55) \times (55 + 5) + (555 - 5 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 - 66) \times (66 + 6) + (666 - 6 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 - 77) \times (77 + 7) + (777 - 7 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 88) \times (88 + 8) + (888 - 8 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 99) \times (99 + 9) + (999 - 9 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 710

$$\begin{aligned} &:= \frac{(111 - 11) \times (11 + 1) + (111 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 22) \times (22 + 2) + (222 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 33) \times (33 + 3) + (333 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 - 44) \times (44 + 4) + (444 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 55) \times (55 + 5) + (555 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 66) \times (66 + 6) + (666 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 - 77) \times (77 + 7) + (777 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 88) \times (88 + 8) + (888 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 99) \times (99 + 9) + (999 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

6710

$$\begin{aligned} &:= \frac{(1111 - 11) \times (11 + 1) + (111 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 - 22) \times (22 + 2) + (222 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 - 33) \times (33 + 3) + (333 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 - 44) \times (44 + 4) + (444 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 - 55) \times (55 + 5) + (555 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 - 66) \times (66 + 6) + (666 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 - 77) \times (77 + 7) + (777 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 - 88) \times (88 + 8) + (888 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 - 99) \times (99 + 9) + (999 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66710

$$\begin{aligned} &:= \frac{(11111 - 11) \times (11 + 1) + (111 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 - 22) \times (22 + 2) + (222 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 - 33) \times (33 + 3) + (333 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 - 44) \times (44 + 4) + (444 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 - 55) \times (55 + 5) + (555 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 - 66) \times (66 + 6) + (666 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 - 77) \times (77 + 7) + (777 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 - 88) \times (88 + 8) + (888 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 - 99) \times (99 + 9) + (999 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666710

$$\begin{aligned} &:= \frac{(111111 - 11) \times (11 + 1) + (111 - 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 - 22) \times (22 + 2) + (222 - 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 - 33) \times (33 + 3) + (333 - 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 - 44) \times (44 + 4) + (444 - 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 - 55) \times (55 + 5) + (555 - 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 - 66) \times (66 + 6) + (666 - 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 - 77) \times (77 + 7) + (777 - 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 88) \times (88 + 8) + (888 - 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 99) \times (99 + 9) + (999 - 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 711 &:= \frac{(111 - 11 - 11) \times (11 - 1 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22) \times (22 - 2 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33) \times (33 - 3 - 3 - 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 44) \times (44 - 4 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55) \times (55 - 5 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66) \times (66 - 6 - 6 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 77) \times (77 - 7 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88) \times (88 - 8 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99) \times (99 - 9 - 9 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 8711 &:= \frac{(1111 - 11 - 11) \times (11 - 1 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(2222 - 22 - 22) \times (22 - 2 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(3333 - 33 - 33) \times (33 - 3 - 3 - 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 44 - 44) \times (44 - 4 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(5555 - 55 - 55) \times (55 - 5 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(6666 - 66 - 66) \times (66 - 6 - 6 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 77 - 77) \times (77 - 7 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(8888 - 88 - 88) \times (88 - 8 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(9999 - 99 - 99) \times (99 - 9 - 9 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 88711 &:= \frac{(11111 - 11 - 11) \times (11 - 1 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(22222 - 22 - 22) \times (22 - 2 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(33333 - 33 - 33) \times (33 - 3 - 3 - 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 44 - 44) \times (44 - 4 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(55555 - 55 - 55) \times (55 - 5 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(66666 - 66 - 66) \times (66 - 6 - 6 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 77 - 77) \times (77 - 7 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(88888 - 88 - 88) \times (88 - 8 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(99999 - 99 - 99) \times (99 - 9 - 9 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 888711 &:= \frac{(111111 - 11 - 11) \times (11 - 1 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(222222 - 22 - 22) \times (22 - 2 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(333333 - 33 - 33) \times (33 - 3 - 3 - 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44 - 44) \times (44 - 4 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 55 - 55) \times (55 - 5 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 66 - 66) \times (66 - 6 - 6 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77 - 77) \times (77 - 7 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 88 - 88) \times (88 - 8 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 99 - 99) \times (99 - 9 - 9 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 712 &:= \frac{(111 - 11 - 11) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(222 - 22 - 22) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(333 - 33 - 33) \times (33 - 3 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444 - 44 - 44) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(555 - 55 - 55) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(666 - 66 - 66) \times (66 - 6 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777 - 77 - 77) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(888 - 88 - 88) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(999 - 99 - 99) \times (99 - 9 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 8712 &:= \frac{(1111 - 11 - 11) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(2222 - 22 - 22) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(3333 - 33 - 33) \times (33 - 3 - 3 - 3)}{3 \times 3} \\ &:= \frac{(4444 - 44 - 44) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(5555 - 55 - 55) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(6666 - 66 - 66) \times (66 - 6 - 6 - 6)}{6 \times 6} \\ &:= \frac{(7777 - 77 - 77) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(8888 - 88 - 88) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(9999 - 99 - 99) \times (99 - 9 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 88712 &:= \frac{(11111 - 11 - 11) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(22222 - 22 - 22) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(33333 - 33 - 33) \times (33 - 3 - 3 - 3)}{3 \times 3} \\ &:= \frac{(44444 - 44 - 44) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(55555 - 55 - 55) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(66666 - 66 - 66) \times (66 - 6 - 6 - 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(77777 - 77 - 77) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(88888 - 88 - 88) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(99999 - 99 - 99) \times (99 - 9 - 9 - 9)}{9 \times 9}$$

888712 := $\frac{(111111 - 11 - 11) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(222222 - 22 - 22) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(333333 - 33 - 33) \times (33 - 3 - 3 - 3)}{3 \times 3}$

$$:= \frac{(444444 - 44 - 44) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(555555 - 55 - 55) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(666666 - 66 - 66) \times (66 - 6 - 6 - 6)}{6 \times 6}$$
$$:= \frac{(777777 - 77 - 77) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(888888 - 88 - 88) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(999999 - 99 - 99) \times (99 - 9 - 9 - 9)}{9 \times 9}$$

► **713** := $\frac{(111 - 11 - 11) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444 - 44 - 44) \times (44 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55) \times (55 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66) \times (66 - 6 - 6 - 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 - 77 - 77) \times (77 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88) \times (88 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99) \times (99 - 9 - 9 - 9) + 9 \times 9}{9 \times 9}$$

8713 := $\frac{(1111 - 11 - 11) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 22 - 22) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 33 - 33) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(4444 - 44 - 44) \times (44 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 55 - 55) \times (55 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 66 - 66) \times (66 - 6 - 6 - 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 - 77 - 77) \times (77 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(8888 - 88 - 88) \times (88 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(9999 - 99 - 99) \times (99 - 9 - 9 - 9) + 9 \times 9}{9 \times 9}$$

88713 := $\frac{(11111 - 11 - 11) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(22222 - 22 - 22) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(33333 - 33 - 33) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(44444 - 44 - 44) \times (44 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(55555 - 55 - 55) \times (55 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(66666 - 66 - 66) \times (66 - 6 - 6 - 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 - 77 - 77) \times (77 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(88888 - 88 - 88) \times (88 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(99999 - 99 - 99) \times (99 - 9 - 9 - 9) + 9 \times 9}{9 \times 9}$$

888713 := $\frac{(111111 - 11 - 11) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222222 - 22 - 22) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333333 - 33 - 33) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444444 - 44 - 44) \times (44 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555555 - 55 - 55) \times (55 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666666 - 66 - 66) \times (66 - 6 - 6 - 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 - 77 - 77) \times (77 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888888 - 88 - 88) \times (88 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999999 - 99 - 99) \times (99 - 9 - 9 - 9) + 9 \times 9}{9 \times 9}$$

► **714** := $\frac{(111 - 11 - 11) \times (11 - 1 - 1 - 1) + 1 \times (1 + 1)}{1 \times 1} = \frac{(222 - 22 - 22) \times (22 - 2 - 2 - 2) + 2 \times (2 + 2)}{2 \times 2} = \frac{(333 - 33 - 33) \times (33 - 3 - 3 - 3) + 3 \times (3 + 3)}{3 \times 3}$

$$:= \frac{(444 - 44 - 44) \times (44 - 4 - 4 - 4) + 4 \times (4 + 4)}{4 \times 4} = \frac{(555 - 55 - 55) \times (55 - 5 - 5 - 5) + 5 \times (5 + 5)}{5 \times 5} = \frac{(666 - 66 - 66) \times (66 - 6 - 6 - 6) + 6 \times (6 + 6)}{6 \times 6}$$
$$:= \frac{(777 - 77 - 77) \times (77 - 7 - 7 - 7) + 7 \times (7 + 7)}{7 \times 7} = \frac{(888 - 88 - 88) \times (88 - 8 - 8 - 8) + 8 \times (8 + 8)}{8 \times 8} = \frac{(999 - 99 - 99) \times (99 - 9 - 9 - 9) + 9 \times (9 + 9)}{9 \times 9}$$

8714

$$\begin{aligned} &:= \frac{(1111-11-11) \times (11-1-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(2222-22-22) \times (22-2-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(3333-33-33) \times (33-3-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(4444-44-44) \times (44-4-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(5555-55-55) \times (55-5-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(6666-66-66) \times (66-6-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(7777-77-77) \times (77-7-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(8888-88-88) \times (88-8-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(9999-99-99) \times (99-9-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

88714

$$\begin{aligned} &:= \frac{(11111-11-11) \times (11-1-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(22222-22-22) \times (22-2-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(33333-33-33) \times (33-3-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44444-44-44) \times (44-4-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(55555-55-55) \times (55-5-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(66666-66-66) \times (66-6-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77777-77-77) \times (77-7-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(88888-88-88) \times (88-8-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(99999-99-99) \times (99-9-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

888714

$$\begin{aligned} &:= \frac{(111111-11-11) \times (11-1-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(222222-22-22) \times (22-2-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(333333-33-33) \times (33-3-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(444444-44-44) \times (44-4-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(555555-55-55) \times (55-5-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(666666-66-66) \times (66-6-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777777-77-77) \times (77-7-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(888888-88-88) \times (88-8-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(999999-99-99) \times (99-9-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

715

$$\begin{aligned} &:= \frac{(111-1) \times (11+1+1)}{(1+1) \times 1} = \frac{(222-2) \times (22+2+2)}{(2+2) \times 2} = \frac{(333-3) \times (33+3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times (44+4+4)}{(4+4) \times 4} = \frac{(555-5) \times (55+5+5)}{(5+5) \times 5} = \frac{(666-6) \times (66+6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times (77+7+7)}{(7+7) \times 7} = \frac{(888-8) \times (88+8+8)}{(8+8) \times 8} = \frac{(999-9) \times (99+9+9)}{(9+9) \times 9} \end{aligned}$$

7215

$$\begin{aligned} &:= \frac{(1111-1) \times (11+1+1)}{(1+1) \times 1} = \frac{(2222-2) \times (22+2+2)}{(2+2) \times 2} = \frac{(3333-3) \times (33+3+3)}{(3+3) \times 3} \\ &:= \frac{(4444-4) \times (44+4+4)}{(4+4) \times 4} = \frac{(5555-5) \times (55+5+5)}{(5+5) \times 5} = \frac{(6666-6) \times (66+6+6)}{(6+6) \times 6} \\ &:= \frac{(7777-7) \times (77+7+7)}{(7+7) \times 7} = \frac{(8888-8) \times (88+8+8)}{(8+8) \times 8} = \frac{(9999-9) \times (99+9+9)}{(9+9) \times 9} \end{aligned}$$

72215

$$\begin{aligned} &:= \frac{(11111-1) \times (11+1+1)}{(1+1) \times 1} = \frac{(22222-2) \times (22+2+2)}{(2+2) \times 2} = \frac{(33333-3) \times (33+3+3)}{(3+3) \times 3} \\ &:= \frac{(44444-4) \times (44+4+4)}{(4+4) \times 4} = \frac{(55555-5) \times (55+5+5)}{(5+5) \times 5} = \frac{(66666-6) \times (66+6+6)}{(6+6) \times 6} \\ &:= \frac{(77777-7) \times (77+7+7)}{(7+7) \times 7} = \frac{(88888-8) \times (88+8+8)}{(8+8) \times 8} = \frac{(99999-9) \times (99+9+9)}{(9+9) \times 9} \end{aligned}$$

722215

$$\begin{aligned} &:= \frac{(111111-1) \times (11+1+1)}{(1+1) \times 1} = \frac{(222222-2) \times (22+2+2)}{(2+2) \times 2} = \frac{(333333-3) \times (33+3+3)}{(3+3) \times 3} \\ &:= \frac{(444444-4) \times (44+4+4)}{(4+4) \times 4} = \frac{(555555-5) \times (55+5+5)}{(5+5) \times 5} = \frac{(666666-6) \times (66+6+6)}{(6+6) \times 6} \end{aligned}$$

$$:= \frac{(777777 - 7) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 8) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 9) \times (99 + 9 + 9)}{(9 + 9) \times 9}$$

► **716** := $\frac{(111 - 1) \times 11 + 111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 2) \times 22 + 222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 3) \times 33 + 333 \times (3 + 3)}{(3 + 3) \times 3}$
 $:= \frac{(444 - 4) \times 44 + 444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 5) \times 55 + 555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 6) \times 66 + 666 \times (6 + 6)}{(6 + 6) \times 6}$
 $:= \frac{(777 - 7) \times 77 + 777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 8) \times 88 + 888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 9) \times 99 + 999 \times (9 + 9)}{(9 + 9) \times 9}$

1716 := $\frac{(111 - 1) \times 11 + 1111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 2) \times 22 + 2222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 3) \times 33 + 3333 \times (3 + 3)}{(3 + 3) \times 3}$
 $:= \frac{(444 - 4) \times 44 + 4444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 5) \times 55 + 5555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 6) \times 66 + 6666 \times (6 + 6)}{(6 + 6) \times 6}$
 $:= \frac{(777 - 7) \times 77 + 7777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 8) \times 88 + 8888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 9) \times 99 + 9999 \times (9 + 9)}{(9 + 9) \times 9}$

11716 := $\frac{(111 - 1) \times 11 + 11111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 2) \times 22 + 22222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 3) \times 33 + 33333 \times (3 + 3)}{(3 + 3) \times 3}$
 $:= \frac{(444 - 4) \times 44 + 44444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 5) \times 55 + 55555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 6) \times 66 + 66666 \times (6 + 6)}{(6 + 6) \times 6}$
 $:= \frac{(777 - 7) \times 77 + 77777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 8) \times 88 + 88888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 9) \times 99 + 99999 \times (9 + 9)}{(9 + 9) \times 9}$

111716 := $\frac{(111 - 1) \times 11 + 111111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 2) \times 22 + 222222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 3) \times 33 + 333333 \times (3 + 3)}{(3 + 3) \times 3}$
 $:= \frac{(444 - 4) \times 44 + 444444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 5) \times 55 + 555555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 6) \times 66 + 666666 \times (6 + 6)}{(6 + 6) \times 6}$
 $:= \frac{(777 - 7) \times 77 + 777777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 8) \times 88 + 888888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 9) \times 99 + 999999 \times (9 + 9)}{(9 + 9) \times 9}$

► **717** := $\frac{(111 - 1) \times 11 + (111 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 2) \times 22 + (222 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 3) \times 33 + (333 + 3) \times (3 + 3)}{(3 + 3) \times 3}$
 $:= \frac{(444 - 4) \times 44 + (444 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 5) \times 55 + (555 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 6) \times 66 + (666 + 6) \times (6 + 6)}{(6 + 6) \times 6}$
 $:= \frac{(777 - 7) \times 77 + (777 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 8) \times 88 + (888 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 9) \times 99 + (999 + 9) \times (9 + 9)}{(9 + 9) \times 9}$

1717 := $\frac{(111 - 1) \times 11 + (1111 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 - 2) \times 22 + (2222 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 - 3) \times 33 + (3333 + 3) \times (3 + 3)}{(3 + 3) \times 3}$
 $:= \frac{(444 - 4) \times 44 + (4444 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 - 5) \times 55 + (5555 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 - 6) \times 66 + (6666 + 6) \times (6 + 6)}{(6 + 6) \times 6}$
 $:= \frac{(777 - 7) \times 77 + (7777 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 - 8) \times 88 + (8888 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 - 9) \times 99 + (9999 + 9) \times (9 + 9)}{(9 + 9) \times 9}$

11717

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (11111+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (22222+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (33333+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (44444+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (55555+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (66666+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (77777+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (88888+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (99999+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

111717

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (111111+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (222222+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (333333+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (444444+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (555555+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (666666+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (777777+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (888888+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (999999+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

► 718

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (111+1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (222+2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (333+3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (444+4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (555+5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (666+6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (777+7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (888+8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (999+9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

1718

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (1111+1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (2222+2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (3333+3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (4444+4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (5555+5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (6666+6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (7777+7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (8888+8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (9999+9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

11718

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (11111+1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (22222+2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (33333+3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (44444+4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (55555+5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (66666+6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (77777+7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (88888+8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (99999+9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

111718

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (111111+1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (222222+2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (333333+3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (444444+4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (555555+5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (666666+6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (777777+7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (888888+8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (999999+9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

► 719

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (111+1+1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (222+2+2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (333+3+3+3) \times (3+3)}{(3+3) \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(444-4) \times 44 + (444+4+4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (555+5+5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (666+6+6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (777+7+7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (888+8+8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (999+9+9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

1719

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (1111+1+1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (2222+2+2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (3333+3+3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (4444+4+4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (5555+5+5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (6666+6+6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (7777+7+7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (8888+8+8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (9999+9+9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

11719

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (11111+1+1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (22222+2+2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (33333+3+3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (44444+4+4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (55555+5+5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (66666+6+6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (77777+7+7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (88888+8+8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (99999+9+9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

111719

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (111111+1+1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (222222+2+2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (333333+3+3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (444444+4+4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (555555+5+5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (666666+6+6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (777777+7+7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (888888+8+8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (999999+9+9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

► 720

$$\begin{aligned} &:= \frac{(11+1+1) \times 111 - (1+1+1) \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 222 - (2+2+2) \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 333 - (3+3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4) \times 444 - (4+4+4) \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 555 - (5+5+5) \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 666 - (6+6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7) \times 777 - (7+7+7) \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 888 - (8+8+8) \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 999 - (9+9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

7220

$$\begin{aligned} &:= \frac{(11+1+1) \times 1111 - (1+1+1) \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 2222 - (2+2+2) \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 3333 - (3+3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4) \times 4444 - (4+4+4) \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 5555 - (5+5+5) \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 6666 - (6+6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7) \times 7777 - (7+7+7) \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 8888 - (8+8+8) \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 9999 - (9+9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

72220

$$\begin{aligned} &:= \frac{(11+1+1) \times 11111 - (1+1+1) \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 22222 - (2+2+2) \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 33333 - (3+3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4) \times 44444 - (4+4+4) \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 55555 - (5+5+5) \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 66666 - (6+6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7) \times 77777 - (7+7+7) \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 88888 - (8+8+8) \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 99999 - (9+9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned}
 \mathbf{722220} &:= \frac{(11+1+1) \times 111111 - (1+1+1) \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 222222 - (2+2+2) \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 333333 - (3+3+3) \times 3}{(3+3) \times 3} \\
 &:= \frac{(44+4+4) \times 444444 - (4+4+4) \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 555555 - (5+5+5) \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 666666 - (6+6+6) \times 6}{(6+6) \times 6} \\
 &:= \frac{(77+7+7) \times 777777 - (7+7+7) \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 888888 - (8+8+8) \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 999999 - (9+9+9) \times 9}{(9+9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \mathbf{721} &:= \frac{(11+1+1) \times 111 - 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 222 - 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 333 - 3 \times 3}{(3+3) \times 3} \\
 &:= \frac{(44+4+4) \times 444 - 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 555 - 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 666 - 6 \times 6}{(6+6) \times 6} \\
 &:= \frac{(77+7+7) \times 777 - 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 888 - 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 999 - 9 \times 9}{(9+9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{7221} &:= \frac{(11+1+1) \times 1111 - 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 2222 - 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 3333 - 3 \times 3}{(3+3) \times 3} \\
 &:= \frac{(44+4+4) \times 4444 - 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 5555 - 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 6666 - 6 \times 6}{(6+6) \times 6} \\
 &:= \frac{(77+7+7) \times 7777 - 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 8888 - 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 9999 - 9 \times 9}{(9+9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{72221} &:= \frac{(11+1+1) \times 11111 - 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 22222 - 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 33333 - 3 \times 3}{(3+3) \times 3} \\
 &:= \frac{(44+4+4) \times 44444 - 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 55555 - 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 66666 - 6 \times 6}{(6+6) \times 6} \\
 &:= \frac{(77+7+7) \times 77777 - 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 88888 - 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 99999 - 9 \times 9}{(9+9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{722221} &:= \frac{(11+1+1) \times 111111 - 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 222222 - 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 333333 - 3 \times 3}{(3+3) \times 3} \\
 &:= \frac{(44+4+4) \times 444444 - 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 555555 - 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 666666 - 6 \times 6}{(6+6) \times 6} \\
 &:= \frac{(77+7+7) \times 777777 - 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 888888 - 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 999999 - 9 \times 9}{(9+9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \mathbf{722} &:= \frac{(11+1+1) \times 111 + 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 222 + 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 333 + 3 \times 3}{(3+3) \times 3} \\
 &:= \frac{(44+4+4) \times 444 + 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 555 + 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 666 + 6 \times 6}{(6+6) \times 6} \\
 &:= \frac{(77+7+7) \times 777 + 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 888 + 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 999 + 9 \times 9}{(9+9) \times 9}
 \end{aligned}$$

$$\mathbf{7222} := \frac{(11+1+1) \times 1111 + 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 2222 + 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 3333 + 3 \times 3}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(44+4+4) \times 4444 + 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 5555 + 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 6666 + 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7) \times 7777 + 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 8888 + 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 9999 + 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{72222} &:= \frac{(11+1+1) \times 11111 + 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 22222 + 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 33333 + 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4) \times 44444 + 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 55555 + 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 66666 + 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7) \times 77777 + 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 88888 + 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 99999 + 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{722222} &:= \frac{(11+1+1) \times 111111 + 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2) \times 222222 + 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3) \times 333333 + 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4) \times 444444 + 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5) \times 555555 + 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6) \times 666666 + 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7) \times 777777 + 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8) \times 888888 + 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9) \times 999999 + 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{723} &:= \frac{1111+111+1+1}{1+1} + \frac{111}{1} = \frac{2222+222+2+2}{2+2} + \frac{222}{2} = \frac{3333+333+3+3}{3+3} + \frac{333}{3} \\ &:= \frac{4444+444+4+4}{4+4} + \frac{444}{4} = \frac{5555+555+5+5}{5+5} + \frac{555}{5} = \frac{6666+666+6+6}{6+6} + \frac{666}{6} \\ &:= \frac{7777+777+7+7}{7+7} + \frac{777}{7} = \frac{8888+888+8+8}{8+8} + \frac{888}{8} = \frac{9999+999+9+9}{9+9} + \frac{999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7223} &:= \frac{11111+1111+1+1}{1+1} + \frac{1111}{1} = \frac{22222+2222+2+2}{2+2} + \frac{2222}{2} = \frac{33333+3333+3+3}{3+3} + \frac{3333}{3} \\ &:= \frac{44444+4444+4+4}{4+4} + \frac{4444}{4} = \frac{55555+5555+5+5}{5+5} + \frac{5555}{5} = \frac{66666+6666+6+6}{6+6} + \frac{6666}{6} \\ &:= \frac{77777+7777+7+7}{7+7} + \frac{7777}{7} = \frac{88888+8888+8+8}{8+8} + \frac{8888}{8} = \frac{99999+9999+9+9}{9+9} + \frac{9999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{72223} &:= \frac{111111+11111+1+1}{1+1} + \frac{11111}{1} = \frac{222222+22222+2+2}{2+2} + \frac{22222}{2} = \frac{333333+33333+3+3}{3+3} + \frac{33333}{3} \\ &:= \frac{444444+44444+4+4}{4+4} + \frac{44444}{4} = \frac{555555+55555+5+5}{5+5} + \frac{55555}{5} = \frac{666666+66666+6+6}{6+6} + \frac{66666}{6} \\ &:= \frac{777777+77777+7+7}{7+7} + \frac{77777}{7} = \frac{888888+88888+8+8}{8+8} + \frac{88888}{8} = \frac{999999+99999+9+9}{9+9} + \frac{99999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{722223} &:= \frac{1111111+111111+1+1}{1+1} + \frac{111111}{1} = \frac{2222222+222222+2+2}{2+2} + \frac{222222}{2} = \frac{3333333+333333+3+3}{3+3} + \frac{333333}{3} \\ &:= \frac{4444444+444444+4+4}{4+4} + \frac{444444}{4} = \frac{5555555+555555+5+5}{5+5} + \frac{555555}{5} = \frac{6666666+666666+6+6}{6+6} + \frac{666666}{6} \\ &:= \frac{7777777+777777+7+7}{7+7} + \frac{777777}{7} = \frac{8888888+888888+8+8}{8+8} + \frac{888888}{8} = \frac{9999999+999999+9+9}{9+9} + \frac{999999}{9} \end{aligned}$$

► **724** := $\frac{1111+111+1+1}{1+1} + \frac{111+1}{1} = \frac{222+222+2+2}{2+2} + \frac{222+2}{2} = \frac{333+333+3+3}{3+3} + \frac{333+3}{3}$
:= $\frac{4444+444+4+4}{4+4} + \frac{444+4}{4} = \frac{555+555+5+5}{5+5} + \frac{555+5}{5} = \frac{666+666+6+6}{6+6} + \frac{666+6}{6}$
:= $\frac{777+777+7+7}{7+7} + \frac{777+7}{7} = \frac{888+888+8+8}{8+8} + \frac{888+8}{8} = \frac{999+999+9+9}{9+9} + \frac{999+9}{9}$

7224 := $\frac{11111+1111+1+1}{1+1} + \frac{1111+1}{1} = \frac{2222+2222+2+2}{2+2} + \frac{2222+2}{2} = \frac{3333+3333+3+3}{3+3} + \frac{3333+3}{3}$
:= $\frac{44444+4444+4+4}{4+4} + \frac{4444+4}{4} = \frac{5555+5555+5+5}{5+5} + \frac{5555+5}{5} = \frac{6666+6666+6+6}{6+6} + \frac{6666+6}{6}$
:= $\frac{7777+7777+7+7}{7+7} + \frac{7777+7}{7} = \frac{8888+8888+8+8}{8+8} + \frac{8888+8}{8} = \frac{9999+9999+9+9}{9+9} + \frac{9999+9}{9}$

72224 := $\frac{111111+11111+1+1}{1+1} + \frac{11111+1}{1} = \frac{22222+22222+2+2}{2+2} + \frac{22222+2}{2} = \frac{33333+33333+3+3}{3+3} + \frac{33333+3}{3}$
:= $\frac{444444+44444+4+4}{4+4} + \frac{44444+4}{4} = \frac{55555+55555+5+5}{5+5} + \frac{55555+5}{5} = \frac{66666+66666+6+6}{6+6} + \frac{66666+6}{6}$
:= $\frac{77777+77777+7+7}{7+7} + \frac{77777+7}{7} = \frac{88888+88888+8+8}{8+8} + \frac{88888+8}{8} = \frac{99999+99999+9+9}{9+9} + \frac{99999+9}{9}$

722224 := $\frac{1111111+111111+1+1}{1+1} + \frac{111111+1}{1} = \frac{222222+222222+2+2}{2+2} + \frac{222222+2}{2} = \frac{333333+333333+3+3}{3+3} + \frac{333333+3}{3}$
:= $\frac{4444444+444444+4+4}{4+4} + \frac{444444+4}{4} = \frac{555555+555555+5+5}{5+5} + \frac{555555+5}{5} = \frac{666666+666666+6+6}{6+6} + \frac{666666+6}{6}$
:= $\frac{777777+777777+7+7}{7+7} + \frac{777777+7}{7} = \frac{888888+888888+8+8}{8+8} + \frac{888888+8}{8} = \frac{999999+999999+9+9}{9+9} + \frac{999999+9}{9}$

► **725** := $\frac{(11+11+11) \times (11+11) - 1 \times 1}{1 \times 1} = \frac{(22+22+22) \times (22+22) - 2 \times 2}{2 \times 2} = \frac{(33+33+33) \times (33+33) - 3 \times 3}{3 \times 3}$
:= $\frac{(44+44+44) \times (44+44) - 4 \times 4}{4 \times 4} = \frac{(55+55+55) \times (55+55) - 5 \times 5}{5 \times 5} = \frac{(66+66+66) \times (66+66) - 6 \times 6}{6 \times 6}$
:= $\frac{(77+77+77) \times (77+77) - 7 \times 7}{7 \times 7} = \frac{(88+88+88) \times (88+88) - 8 \times 8}{8 \times 8} = \frac{(99+99+99) \times (99+99) - 9 \times 9}{9 \times 9}$

7325 := $\frac{(111+111+111) \times (11+11) - 1 \times 1}{1 \times 1} = \frac{(222+222+222) \times (22+22) - 2 \times 2}{2 \times 2} = \frac{(333+333+333) \times (33+33) - 3 \times 3}{3 \times 3}$
:= $\frac{(444+444+444) \times (44+44) - 4 \times 4}{4 \times 4} = \frac{(555+555+555) \times (55+55) - 5 \times 5}{5 \times 5} = \frac{(666+666+666) \times (66+66) - 6 \times 6}{6 \times 6}$
:= $\frac{(777+777+777) \times (77+77) - 7 \times 7}{7 \times 7} = \frac{(888+888+888) \times (88+88) - 8 \times 8}{8 \times 8} = \frac{(999+999+999) \times (99+99) - 9 \times 9}{9 \times 9}$

73325 := $\frac{(1111+1111+1111) \times (11+11) - 1 \times 1}{1 \times 1} = \frac{(2222+2222+2222) \times (22+22) - 2 \times 2}{2 \times 2} = \frac{(3333+3333+3333) \times (33+33) - 3 \times 3}{3 \times 3}$
:= $\frac{(4444+4444+4444) \times (44+44) - 4 \times 4}{4 \times 4} = \frac{(5555+5555+5555) \times (55+55) - 5 \times 5}{5 \times 5} = \frac{(6666+6666+6666) \times (66+66) - 6 \times 6}{6 \times 6}$
:= $\frac{(7777+7777+7777) \times (77+77) - 7 \times 7}{7 \times 7} = \frac{(8888+8888+8888) \times (88+88) - 8 \times 8}{8 \times 8} = \frac{(9999+9999+9999) \times (99+99) - 9 \times 9}{9 \times 9}$

$$\begin{aligned}
 \mathbf{733325} &:= \frac{(11111 + 11111 + 11111) \times (11 + 11) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22222 + 22222) \times (22 + 22) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33333 + 33333) \times (33 + 33) - 3 \times 3}{3 \times 3} \\
 &:= \frac{(44444 + 44444 + 44444) \times (44 + 44) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55555 + 55555) \times (55 + 55) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66666 + 66666) \times (66 + 66) - 6 \times 6}{6 \times 6} \\
 &:= \frac{(77777 + 77777 + 77777) \times (77 + 77) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88888 + 88888) \times (88 + 88) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99999 + 99999) \times (99 + 99) - 9 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \mathbf{726} &:= \frac{(11 + 1) \times 11 \times 11}{(1 + 1) \times 1 \times 1} = \frac{(22 + 2) \times 22 \times 22}{(2 + 2) \times 2 \times 2} = \frac{(33 + 3) \times 33 \times 33}{(3 + 3) \times 3 \times 3} \\
 &:= \frac{(44 + 4) \times 44 \times 44}{(4 + 4) \times 4 \times 4} = \frac{(55 + 5) \times 55 \times 55}{(5 + 5) \times 5 \times 5} = \frac{(66 + 6) \times 66 \times 66}{(6 + 6) \times 6 \times 6} \\
 &:= \frac{(77 + 7) \times 77 \times 77}{(7 + 7) \times 7 \times 7} = \frac{(88 + 8) \times 88 \times 88}{(8 + 8) \times 8 \times 8} = \frac{(99 + 9) \times 99 \times 99}{(9 + 9) \times 9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{7326} &:= \frac{(11 + 1) \times 11 \times 111}{(1 + 1) \times 1 \times 1} = \frac{(22 + 2) \times 22 \times 222}{(2 + 2) \times 2 \times 2} = \frac{(33 + 3) \times 33 \times 333}{(3 + 3) \times 3 \times 3} \\
 &:= \frac{(44 + 4) \times 44 \times 444}{(4 + 4) \times 4 \times 4} = \frac{(55 + 5) \times 55 \times 555}{(5 + 5) \times 5 \times 5} = \frac{(66 + 6) \times 66 \times 666}{(6 + 6) \times 6 \times 6} \\
 &:= \frac{(77 + 7) \times 77 \times 777}{(7 + 7) \times 7 \times 7} = \frac{(88 + 8) \times 88 \times 888}{(8 + 8) \times 8 \times 8} = \frac{(99 + 9) \times 99 \times 999}{(9 + 9) \times 9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{73326} &:= \frac{(11 + 1) \times 11 \times 1111}{(1 + 1) \times 1 \times 1} = \frac{(22 + 2) \times 22 \times 2222}{(2 + 2) \times 2 \times 2} = \frac{(33 + 3) \times 33 \times 3333}{(3 + 3) \times 3 \times 3} \\
 &:= \frac{(44 + 4) \times 44 \times 4444}{(4 + 4) \times 4 \times 4} = \frac{(55 + 5) \times 55 \times 5555}{(5 + 5) \times 5 \times 5} = \frac{(66 + 6) \times 66 \times 6666}{(6 + 6) \times 6 \times 6} \\
 &:= \frac{(77 + 7) \times 77 \times 7777}{(7 + 7) \times 7 \times 7} = \frac{(88 + 8) \times 88 \times 8888}{(8 + 8) \times 8 \times 8} = \frac{(99 + 9) \times 99 \times 9999}{(9 + 9) \times 9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{733326} &:= \frac{(11 + 1) \times 11 \times 11111}{(1 + 1) \times 1 \times 1} = \frac{(22 + 2) \times 22 \times 22222}{(2 + 2) \times 2 \times 2} = \frac{(33 + 3) \times 33 \times 33333}{(3 + 3) \times 3 \times 3} \\
 &:= \frac{(44 + 4) \times 44 \times 44444}{(4 + 4) \times 4 \times 4} = \frac{(55 + 5) \times 55 \times 55555}{(5 + 5) \times 5 \times 5} = \frac{(66 + 6) \times 66 \times 66666}{(6 + 6) \times 6 \times 6} \\
 &:= \frac{(77 + 7) \times 77 \times 77777}{(7 + 7) \times 7 \times 7} = \frac{(88 + 8) \times 88 \times 88888}{(8 + 8) \times 8 \times 8} = \frac{(99 + 9) \times 99 \times 99999}{(9 + 9) \times 9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \mathbf{727} &:= \frac{(11 + 11 + 11) \times (11 + 11) + 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (22 + 22) + 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (33 + 33) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(44 + 44 + 44) \times (44 + 44) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (55 + 55) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (66 + 66) + 6 \times 6}{6 \times 6} \\
 &:= \frac{(77 + 77 + 77) \times (77 + 77) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (88 + 88) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (99 + 99) + 9 \times 9}{9 \times 9}
 \end{aligned}$$

$$\mathbf{7327} := \frac{(111 + 111 + 111) \times (11 + 11) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 222) \times (22 + 22) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 333) \times (33 + 33) + 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 444 + 444) \times (44 + 44) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 555) \times (55 + 55) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 666) \times (66 + 66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 + 777 + 777) \times (77 + 77) + 7 \times 7}{7 \times 7} = \frac{(888 + 888 + 888) \times (88 + 88) + 8 \times 8}{8 \times 8} = \frac{(999 + 999 + 999) \times (99 + 99) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{73327} &:= \frac{(1111 + 1111 + 1111) \times (11 + 11) + 1 \times 1}{1 \times 1} = \frac{(2222 + 2222 + 2222) \times (22 + 22) + 2 \times 2}{2 \times 2} = \frac{(3333 + 3333 + 3333) \times (33 + 33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 + 4444 + 4444) \times (44 + 44) + 4 \times 4}{4 \times 4} = \frac{(5555 + 5555 + 5555) \times (55 + 55) + 5 \times 5}{5 \times 5} = \frac{(6666 + 6666 + 6666) \times (66 + 66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 + 7777 + 7777) \times (77 + 77) + 7 \times 7}{7 \times 7} = \frac{(8888 + 8888 + 8888) \times (88 + 88) + 8 \times 8}{8 \times 8} = \frac{(9999 + 9999 + 9999) \times (99 + 99) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{733327} &:= \frac{(11111 + 11111 + 11111) \times (11 + 11) + 1 \times 1}{1 \times 1} = \frac{(22222 + 22222 + 22222) \times (22 + 22) + 2 \times 2}{2 \times 2} = \frac{(33333 + 33333 + 33333) \times (33 + 33) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 + 44444 + 44444) \times (44 + 44) + 4 \times 4}{4 \times 4} = \frac{(55555 + 55555 + 55555) \times (55 + 55) + 5 \times 5}{5 \times 5} = \frac{(66666 + 66666 + 66666) \times (66 + 66) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 + 77777 + 77777) \times (77 + 77) + 7 \times 7}{7 \times 7} = \frac{(88888 + 88888 + 88888) \times (88 + 88) + 8 \times 8}{8 \times 8} = \frac{(99999 + 99999 + 99999) \times (99 + 99) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{728} &:= \frac{(111 + 1) \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 2) \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 3) \times (33 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 4) \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 5) \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 6) \times (66 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 7) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 8) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 9) \times (99 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7228} &:= \frac{(1111 + 1) \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 2) \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 3) \times (33 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 4) \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 5) \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 6) \times (66 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 7) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 8) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 9) \times (99 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{72228} &:= \frac{(11111 + 1) \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 2) \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 3) \times (33 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 4) \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 5) \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 6) \times (66 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 7) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 8) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 9) \times (99 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{722228} &:= \frac{(111111 + 1) \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 2) \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 3) \times (33 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 4) \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 5) \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 6) \times (66 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 7) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 8) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 9) \times (99 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 729 &:= \frac{(111+1) \times (11+1+1) + (1+1) \times 1}{(1+1) \times 1} = \frac{(222+2) \times (22+2+2) + (2+2) \times 2}{(2+2) \times 2} = \frac{(333+3) \times (33+3+3) + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(444+4) \times (44+4+4) + (4+4) \times 4}{(4+4) \times 4} = \frac{(555+5) \times (55+5+5) + (5+5) \times 5}{(5+5) \times 5} = \frac{(666+6) \times (66+6+6) + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(777+7) \times (77+7+7) + (7+7) \times 7}{(7+7) \times 7} = \frac{(888+8) \times (88+8+8) + (8+8) \times 8}{(8+8) \times 8} = \frac{(999+9) \times (99+9+9) + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 7229 &:= \frac{(1111+1) \times (11+1+1) + (1+1) \times 1}{(1+1) \times 1} = \frac{(2222+2) \times (22+2+2) + (2+2) \times 2}{(2+2) \times 2} = \frac{(3333+3) \times (33+3+3) + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(4444+4) \times (44+4+4) + (4+4) \times 4}{(4+4) \times 4} = \frac{(5555+5) \times (55+5+5) + (5+5) \times 5}{(5+5) \times 5} = \frac{(6666+6) \times (66+6+6) + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(7777+7) \times (77+7+7) + (7+7) \times 7}{(7+7) \times 7} = \frac{(8888+8) \times (88+8+8) + (8+8) \times 8}{(8+8) \times 8} = \frac{(9999+9) \times (99+9+9) + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 72229 &:= \frac{(11111+1) \times (11+1+1) + (1+1) \times 1}{(1+1) \times 1} = \frac{(22222+2) \times (22+2+2) + (2+2) \times 2}{(2+2) \times 2} = \frac{(33333+3) \times (33+3+3) + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(44444+4) \times (44+4+4) + (4+4) \times 4}{(4+4) \times 4} = \frac{(55555+5) \times (55+5+5) + (5+5) \times 5}{(5+5) \times 5} = \frac{(66666+6) \times (66+6+6) + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(77777+7) \times (77+7+7) + (7+7) \times 7}{(7+7) \times 7} = \frac{(88888+8) \times (88+8+8) + (8+8) \times 8}{(8+8) \times 8} = \frac{(99999+9) \times (99+9+9) + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 722229 &:= \frac{(111111+1) \times (11+1+1) + (1+1) \times 1}{(1+1) \times 1} = \frac{(222222+2) \times (22+2+2) + (2+2) \times 2}{(2+2) \times 2} = \frac{(333333+3) \times (33+3+3) + (3+3) \times 3}{(3+3) \times 3} \\ &:= \frac{(444444+4) \times (44+4+4) + (4+4) \times 4}{(4+4) \times 4} = \frac{(555555+5) \times (55+5+5) + (5+5) \times 5}{(5+5) \times 5} = \frac{(666666+6) \times (66+6+6) + (6+6) \times 6}{(6+6) \times 6} \\ &:= \frac{(777777+7) \times (77+7+7) + (7+7) \times 7}{(7+7) \times 7} = \frac{(888888+8) \times (88+8+8) + (8+8) \times 8}{(8+8) \times 8} = \frac{(999999+9) \times (99+9+9) + (9+9) \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 730 &:= \frac{(111+11) \times (11+1) - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(222+22) \times (22+2) - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(333+33) \times (33+3) - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444+44) \times (44+4) - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(555+55) \times (55+5) - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(666+66) \times (66+6) - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777+77) \times (77+7) - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(888+88) \times (88+8) - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(999+99) \times (99+9) - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 6730 &:= \frac{(1111+11) \times (11+1) - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(2222+22) \times (22+2) - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(3333+33) \times (33+3) - (3+3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(4444+44) \times (44+4) - (4+4) \times (4+4)}{(4+4) \times 4} = \frac{(5555+55) \times (55+5) - (5+5) \times (5+5)}{(5+5) \times 5} = \frac{(6666+66) \times (66+6) - (6+6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(7777+77) \times (77+7) - (7+7) \times (7+7)}{(7+7) \times 7} = \frac{(8888+88) \times (88+8) - (8+8) \times (8+8)}{(8+8) \times 8} = \frac{(9999+99) \times (99+9) - (9+9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

$$66730 := \frac{(11111+11) \times (11+1) - (1+1) \times (1+1)}{(1+1) \times 1} = \frac{(22222+22) \times (22+2) - (2+2) \times (2+2)}{(2+2) \times 2} = \frac{(33333+33) \times (33+3) - (3+3) \times (3+3)}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(44444 + 44) \times (44 + 4) - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5) - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6) - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77) \times (77 + 7) - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8) - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9) - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666730

$$\begin{aligned} &:= \frac{(111111 + 11) \times (11 + 1) - (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2) - (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3) - (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (44 + 4) - (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5) - (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6) - (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (77 + 7) - (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8) - (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9) - (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 731

$$\begin{aligned} &:= \frac{(111 + 11) \times (11 + 1) - (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(222 + 22) \times (22 + 2) - (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(333 + 33) \times (33 + 3) - (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times (44 + 4) - (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{(555 + 55) \times (55 + 5) - (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{(666 + 66) \times (66 + 6) - (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times (77 + 7) - (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{(888 + 88) \times (88 + 8) - (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{(999 + 99) \times (99 + 9) - (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

6731

$$\begin{aligned} &:= \frac{(1111 + 11) \times (11 + 1) - (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2) - (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3) - (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 44) \times (44 + 4) - (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5) - (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6) - (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 77) \times (77 + 7) - (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8) - (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9) - (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

66731

$$\begin{aligned} &:= \frac{(11111 + 11) \times (11 + 1) - (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2) - (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3) - (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 44) \times (44 + 4) - (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5) - (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6) - (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77) \times (77 + 7) - (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8) - (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9) - (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

666731

$$\begin{aligned} &:= \frac{(111111 + 11) \times (11 + 1) - (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2) - (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3) - (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (44 + 4) - (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5) - (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6) - (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (77 + 7) - (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8) - (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9) - (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

► 732

$$\begin{aligned} &:= \frac{(111 + 11) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times (33 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times (66 + 6)}{(6 + 6) \times 6} \end{aligned}$$

$$:= \frac{(777 + 77) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times (99 + 9)}{(9 + 9) \times 9}$$

6732 := $\frac{(1111 + 11) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3)}{(3 + 3) \times 3}$
:= $\frac{(4444 + 44) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6)}{(6 + 6) \times 6}$
:= $\frac{(7777 + 77) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9)}{(9 + 9) \times 9}$

66732 := $\frac{(11111 + 11) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3)}{(3 + 3) \times 3}$
:= $\frac{(44444 + 44) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6)}{(6 + 6) \times 6}$
:= $\frac{(77777 + 77) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9)}{(9 + 9) \times 9}$

666732 := $\frac{(111111 + 11) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3)}{(3 + 3) \times 3}$
:= $\frac{(444444 + 44) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6)}{(6 + 6) \times 6}$
:= $\frac{(777777 + 77) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9)}{(9 + 9) \times 9}$

► **733** := $\frac{(111 + 11) \times (11 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times (22 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times (33 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3}$
:= $\frac{(444 + 44) \times (44 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times (55 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times (66 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6}$
:= $\frac{(777 + 77) \times (77 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times (88 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times (99 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9}$

6733 := $\frac{(1111 + 11) \times (11 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3}$
:= $\frac{(4444 + 44) \times (44 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6}$
:= $\frac{(7777 + 77) \times (77 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9}$

66733 := $\frac{(11111 + 11) \times (11 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3}$
:= $\frac{(44444 + 44) \times (44 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6}$
:= $\frac{(77777 + 77) \times (77 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9}$

666733 :=
$$\frac{(111111 + 11) \times (11 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(444444 + 44) \times (44 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(777777 + 77) \times (77 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9}$$

► **734** :=
$$\frac{(111 + 11) \times (11 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times (22 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times (33 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(444 + 44) \times (44 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times (55 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times (66 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(777 + 77) \times (77 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times (88 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times (99 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9}$$

6734 :=
$$\frac{(1111 + 11) \times (11 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(4444 + 44) \times (44 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(7777 + 77) \times (77 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9}$$

66734 :=
$$\frac{(11111 + 11) \times (11 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(44444 + 44) \times (44 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(77777 + 77) \times (77 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9}$$

666734 :=
$$\frac{(111111 + 11) \times (11 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(444444 + 44) \times (44 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(777777 + 77) \times (77 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9}$$

► **735** :=
$$\frac{(111 + 11) \times (11 + 1) + (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times (22 + 2) + (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times (33 + 3) + (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(444 + 44) \times (44 + 4) + (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times (55 + 5) + (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times (66 + 6) + (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(777 + 77) \times (77 + 7) + (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times (88 + 8) + (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times (99 + 9) + (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9}$$

6735 :=
$$\frac{(1111 + 11) \times (11 + 1) + (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2) + (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3) + (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(4444 + 44) \times (44 + 4) + (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5) + (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6) + (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 77) \times (77 + 7) + (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8) + (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9) + (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{66735} &:= \frac{(11111 + 11) \times (11 + 1) + (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2) + (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3) + (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 44) \times (44 + 4) + (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5) + (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6) + (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77) \times (77 + 7) + (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8) + (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9) + (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{666735} &:= \frac{(111111 + 11) \times (11 + 1) + (1 + 1) \times (1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2) + (2 + 2) \times (2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3) + (3 + 3) \times (3 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (44 + 4) + (4 + 4) \times (4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5) + (5 + 5) \times (5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6) + (6 + 6) \times (6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (77 + 7) + (7 + 7) \times (7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8) + (8 + 8) \times (8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9) + (9 + 9) \times (9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textbf{736} &:= \frac{1111 + 1111 - 11 - 1 - 1 - 1}{1 + 1 + 1} = \frac{2222 + 2222 - 22 - 2 - 2 - 2}{2 + 2 + 2} = \frac{3333 + 3333 - 33 - 3 - 3 - 3}{3 + 3 + 3} \\ &:= \frac{4444 + 4444 - 44 - 4 - 4 - 4}{4 + 4 + 4} = \frac{5555 + 5555 - 55 - 5 - 5 - 5}{5 + 5 + 5} = \frac{6666 + 6666 - 66 - 6 - 6 - 6}{6 + 6 + 6} \\ &:= \frac{7777 + 7777 - 77 - 7 - 7 - 7}{7 + 7 + 7} = \frac{8888 + 8888 - 88 - 8 - 8 - 8}{8 + 8 + 8} = \frac{9999 + 9999 - 99 - 9 - 9 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textbf{370736} &:= \frac{1111111 + 1111 - 11 - 1 - 1 - 1}{1 + 1 + 1} = \frac{2222222 + 2222 - 22 - 2 - 2 - 2}{2 + 2 + 2} = \frac{3333333 + 3333 - 33 - 3 - 3 - 3}{3 + 3 + 3} \\ &:= \frac{4444444 + 4444 - 44 - 4 - 4 - 4}{4 + 4 + 4} = \frac{5555555 + 5555 - 55 - 5 - 5 - 5}{5 + 5 + 5} = \frac{6666666 + 6666 - 66 - 6 - 6 - 6}{6 + 6 + 6} \\ &:= \frac{7777777 + 7777 - 77 - 7 - 7 - 7}{7 + 7 + 7} = \frac{8888888 + 8888 - 88 - 8 - 8 - 8}{8 + 8 + 8} = \frac{9999999 + 9999 - 99 - 9 - 9 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textbf{370370736} &:= \frac{1111111111 + 1111 - 11 - 1 - 1 - 1}{1 + 1 + 1} = \frac{2222222222 + 2222 - 22 - 2 - 2 - 2}{2 + 2 + 2} = \frac{3333333333 + 3333 - 33 - 3 - 3 - 3}{3 + 3 + 3} \\ &:= \frac{4444444444 + 4444 - 44 - 4 - 4 - 4}{4 + 4 + 4} = \frac{5555555555 + 5555 - 55 - 5 - 5 - 5}{5 + 5 + 5} = \frac{6666666666 + 6666 - 66 - 6 - 6 - 6}{6 + 6 + 6} \\ &:= \frac{7777777777 + 7777 - 77 - 7 - 7 - 7}{7 + 7 + 7} = \frac{8888888888 + 8888 - 88 - 8 - 8 - 8}{8 + 8 + 8} = \frac{9999999999 + 9999 - 99 - 9 - 9 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textbf{370370370736} &:= \frac{1111111111111 + 1111 - 11 - 1 - 1 - 1}{1 + 1 + 1} = \frac{2222222222222 + 2222 - 22 - 2 - 2 - 2}{2 + 2 + 2} = \frac{3333333333333 + 3333 - 33 - 3 - 3 - 3}{3 + 3 + 3} \\ &:= \frac{4444444444444 + 4444 - 44 - 4 - 4 - 4}{4 + 4 + 4} = \frac{5555555555555 + 5555 - 55 - 5 - 5 - 5}{5 + 5 + 5} = \frac{6666666666666 + 6666 - 66 - 6 - 6 - 6}{6 + 6 + 6} \\ &:= \frac{7777777777777 + 7777 - 77 - 7 - 7 - 7}{7 + 7 + 7} = \frac{8888888888888 + 8888 - 88 - 8 - 8 - 8}{8 + 8 + 8} = \frac{9999999999999 + 9999 - 99 - 9 - 9 - 9}{9 + 9 + 9} \end{aligned}$$

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737

$$\begin{aligned} &:= \frac{1111 + 1111 - 11}{1 + 1 + 1} = \frac{2222 + 2222 - 22}{2 + 2 + 2} = \frac{3333 + 3333 - 33}{3 + 3 + 3} \\ &:= \frac{4444 + 4444 - 44}{4 + 4 + 4} = \frac{5555 + 5555 - 55}{5 + 5 + 5} = \frac{6666 + 6666 - 66}{6 + 6 + 6} \\ &:= \frac{7777 + 7777 - 77}{7 + 7 + 7} = \frac{8888 + 8888 - 88}{8 + 8 + 8} = \frac{9999 + 9999 - 99}{9 + 9 + 9} \end{aligned}$$

370737

$$\begin{aligned} &:= \frac{1111111 + 1111 - 11}{1 + 1 + 1} = \frac{2222222 + 2222 - 22}{2 + 2 + 2} = \frac{3333333 + 3333 - 33}{3 + 3 + 3} \\ &:= \frac{4444444 + 4444 - 44}{4 + 4 + 4} = \frac{5555555 + 5555 - 55}{5 + 5 + 5} = \frac{6666666 + 6666 - 66}{6 + 6 + 6} \\ &:= \frac{7777777 + 7777 - 77}{7 + 7 + 7} = \frac{8888888 + 8888 - 88}{8 + 8 + 8} = \frac{9999999 + 9999 - 99}{9 + 9 + 9} \end{aligned}$$

370370737

$$\begin{aligned} &:= \frac{1111111111 + 1111 - 11}{1 + 1 + 1} = \frac{2222222222 + 2222 - 22}{2 + 2 + 2} = \frac{3333333333 + 3333 - 33}{3 + 3 + 3} \\ &:= \frac{4444444444 + 4444 - 44}{4 + 4 + 4} = \frac{5555555555 + 5555 - 55}{5 + 5 + 5} = \frac{6666666666 + 6666 - 66}{6 + 6 + 6} \\ &:= \frac{7777777777 + 7777 - 77}{7 + 7 + 7} = \frac{8888888888 + 8888 - 88}{8 + 8 + 8} = \frac{9999999999 + 9999 - 99}{9 + 9 + 9} \end{aligned}$$

370370370737

$$\begin{aligned} &:= \frac{1111111111111 + 1111 - 11}{1 + 1 + 1} = \frac{2222222222222 + 2222 - 22}{2 + 2 + 2} = \frac{3333333333333 + 3333 - 33}{3 + 3 + 3} \\ &:= \frac{4444444444444 + 4444 - 44}{4 + 4 + 4} = \frac{5555555555555 + 5555 - 55}{5 + 5 + 5} = \frac{6666666666666 + 6666 - 66}{6 + 6 + 6} \\ &:= \frac{7777777777777 + 7777 - 77}{7 + 7 + 7} = \frac{8888888888888 + 8888 - 88}{8 + 8 + 8} = \frac{9999999999999 + 9999 - 99}{9 + 9 + 9} \end{aligned}$$

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738

$$\begin{aligned} &:= \frac{(1111 - 1) \times (1 + 1) - (1 + 1 + 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 - 2) \times (2 + 2) - (2 + 2 + 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 - 3) \times (3 + 3) - (3 + 3 + 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 - 4) \times (4 + 4) - (4 + 4 + 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 - 5) \times (5 + 5) - (5 + 5 + 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 - 6) \times (6 + 6) - (6 + 6 + 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 - 7) \times (7 + 7) - (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 - 8) \times (8 + 8) - (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 - 9) \times (9 + 9) - (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

740738

$$\begin{aligned} &:= \frac{(1111111 - 1) \times (1 + 1) - (1 + 1 + 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222222 - 2) \times (2 + 2) - (2 + 2 + 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333333 - 3) \times (3 + 3) - (3 + 3 + 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444444 - 4) \times (4 + 4) - (4 + 4 + 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555555 - 5) \times (5 + 5) - (5 + 5 + 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666666 - 6) \times (6 + 6) - (6 + 6 + 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777777 - 7) \times (7 + 7) - (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888888 - 8) \times (8 + 8) - (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999999 - 9) \times (9 + 9) - (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

740740738

$$\begin{aligned} &:= \frac{(1111111111 - 1) \times (1 + 1) - (1 + 1 + 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222222222 - 2) \times (2 + 2) - (2 + 2 + 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333333333 - 3) \times (3 + 3) - (3 + 3 + 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444444444 - 4) \times (4 + 4) - (4 + 4 + 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555555555 - 5) \times (5 + 5) - (5 + 5 + 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666666666 - 6) \times (6 + 6) - (6 + 6 + 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777777777 - 7) \times (7 + 7) - (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888888888 - 8) \times (8 + 8) - (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999999999 - 9) \times (9 + 9) - (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

740740740738

$$\begin{aligned} &:= \frac{(111111111111 - 1) \times (1 + 1) - (1 + 1 + 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222222222 - 2) \times (2 + 2) - (2 + 2 + 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333333333 - 3) \times (3 + 3) - (3 + 3 + 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444444444 - 4) \times (4 + 4) - (4 + 4 + 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555555555 - 5) \times (5 + 5) - (5 + 5 + 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666666666 - 6) \times (6 + 6) - (6 + 6 + 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777777777 - 7) \times (7 + 7) - (7 + 7 + 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888888888 - 8) \times (8 + 8) - (8 + 8 + 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999999999 - 9) \times (9 + 9) - (9 + 9 + 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

► 739

$$\begin{aligned} &:= \frac{(1111 - 1) \times (1 + 1) - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(2222 - 2) \times (2 + 2) - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(3333 - 3) \times (3 + 3) - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 - 4) \times (4 + 4) - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(5555 - 5) \times (5 + 5) - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(6666 - 6) \times (6 + 6) - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 - 7) \times (7 + 7) - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(8888 - 8) \times (8 + 8) - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(9999 - 9) \times (9 + 9) - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

740739

$$\begin{aligned} &:= \frac{(11111111 - 1) \times (1 + 1) - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(22222222 - 2) \times (2 + 2) - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(33333333 - 3) \times (3 + 3) - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444444 - 4) \times (4 + 4) - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(55555555 - 5) \times (5 + 5) - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(66666666 - 6) \times (6 + 6) - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777777 - 7) \times (7 + 7) - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(88888888 - 8) \times (8 + 8) - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(99999999 - 9) \times (9 + 9) - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

740740739

$$\begin{aligned} &:= \frac{(111111111111 - 1) \times (1 + 1) - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(222222222222 - 2) \times (2 + 2) - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(333333333333 - 3) \times (3 + 3) - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444444444 - 4) \times (4 + 4) - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(555555555555 - 5) \times (5 + 5) - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(666666666666 - 6) \times (6 + 6) - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777777777 - 7) \times (7 + 7) - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(888888888888 - 8) \times (8 + 8) - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(999999999999 - 9) \times (9 + 9) - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

740740740739

$$\begin{aligned} &:= \frac{(111111111111111 - 1) \times (1 + 1) - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(222222222222222 - 2) \times (2 + 2) - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(333333333333333 - 3) \times (3 + 3) - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444444444444 - 4) \times (4 + 4) - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(555555555555555 - 5) \times (5 + 5) - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(666666666666666 - 6) \times (6 + 6) - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777777777777 - 7) \times (7 + 7) - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(888888888888888 - 8) \times (8 + 8) - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(999999999999999 - 9) \times (9 + 9) - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

► 740

$$\begin{aligned} &:= \frac{(1111 - 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 - 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 - 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 - 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 - 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 - 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 - 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 - 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 - 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

740740

$$\begin{aligned} &:= \frac{(11111111 - 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222222 - 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333333 - 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444444 - 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555555 - 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666666 - 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \end{aligned}$$

$$:= \frac{(7777777-7) \times (7+7)}{(7+7+7) \times 7} = \frac{(8888888-8) \times (8+8)}{(8+8+8) \times 8} = \frac{(9999999-9) \times (9+9)}{(9+9+9) \times 9}$$

$$\begin{aligned} 740740740 &:= \frac{(1111111111-1) \times (1+1)}{(1+1+1) \times 1} = \frac{(2222222222-2) \times (2+2)}{(2+2+2) \times 2} = \frac{(3333333333-3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444444444-4) \times (4+4)}{(4+4+4) \times 4} = \frac{(5555555555-5) \times (5+5)}{(5+5+5) \times 5} = \frac{(6666666666-6) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777777777-7) \times (7+7)}{(7+7+7) \times 7} = \frac{(8888888888-8) \times (8+8)}{(8+8+8) \times 8} = \frac{(9999999999-9) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 740740740740 &:= \frac{(1111111111111-1) \times (1+1)}{(1+1+1) \times 1} = \frac{(2222222222222-2) \times (2+2)}{(2+2+2) \times 2} = \frac{(3333333333333-3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(44444444444444-4) \times (4+4)}{(4+4+4) \times 4} = \frac{(5555555555555-5) \times (5+5)}{(5+5+5) \times 5} = \frac{(66666666666666-6) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(77777777777777-7) \times (7+7)}{(7+7+7) \times 7} = \frac{(88888888888888-8) \times (8+8)}{(8+8+8) \times 8} = \frac{(99999999999999-9) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

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$$\begin{aligned} 741 &:= \frac{(1111-1) \times (1+1) + (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{(2222-2) \times (2+2) + (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{(3333-3) \times (3+3) + (3+3+3) \times 3}{(3+3+3) \times 3} \\ &:= \frac{(4444-4) \times (4+4) + (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{(5555-5) \times (5+5) + (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{(6666-6) \times (6+6) + (6+6+6) \times 6}{(6+6+6) \times 6} \\ &:= \frac{(7777-7) \times (7+7) + (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{(8888-8) \times (8+8) + (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{(9999-9) \times (9+9) + (9+9+9) \times 9}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 740741 &:= \frac{(1111111-1) \times (1+1) + (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{(2222222-2) \times (2+2) + (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{(3333333-3) \times (3+3) + (3+3+3) \times 3}{(3+3+3) \times 3} \\ &:= \frac{(4444444-4) \times (4+4) + (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{(5555555-5) \times (5+5) + (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{(6666666-6) \times (6+6) + (6+6+6) \times 6}{(6+6+6) \times 6} \\ &:= \frac{(7777777-7) \times (7+7) + (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{(8888888-8) \times (8+8) + (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{(9999999-9) \times (9+9) + (9+9+9) \times 9}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 740740741 &:= \frac{(1111111111-1) \times (1+1) + (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{(2222222222-2) \times (2+2) + (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{(3333333333-3) \times (3+3) + (3+3+3) \times 3}{(3+3+3) \times 3} \\ &:= \frac{(44444444444-4) \times (4+4) + (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{(55555555555-5) \times (5+5) + (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{(666666666666-6) \times (6+6) + (6+6+6) \times 6}{(6+6+6) \times 6} \\ &:= \frac{(777777777777-7) \times (7+7) + (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{(888888888888-8) \times (8+8) + (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{(999999999999-9) \times (9+9) + (9+9+9) \times 9}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 740740740741 &:= \frac{(1111111111111-1) \times (1+1) + (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{(2222222222222-2) \times (2+2) + (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{(3333333333333-3) \times (3+3) + (3+3+3) \times 3}{(3+3+3) \times 3} \\ &:= \frac{(44444444444444-4) \times (4+4) + (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{(55555555555555-5) \times (5+5) + (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{(666666666666666-6) \times (6+6) + (6+6+6) \times 6}{(6+6+6) \times 6} \\ &:= \frac{(777777777777777-7) \times (7+7) + (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{(888888888888888-8) \times (8+8) + (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{(999999999999999-9) \times (9+9) + (9+9+9) \times 9}{(9+9+9) \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(1111+1+1) \times (1+1)}{(1+1+1) \times 1} = \frac{(2222+2+2) \times (2+2)}{(2+2+2) \times 2} = \frac{(3333+3+3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444+4+4) \times (4+4)}{(4+4+4) \times 4} = \frac{(5555+5+5) \times (5+5)}{(5+5+5) \times 5} = \frac{(6666+6+6) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777+7+7) \times (7+7)}{(7+7+7) \times 7} = \frac{(8888+8+8) \times (8+8)}{(8+8+8) \times 8} = \frac{(9999+9+9) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(1111111+1+1) \times (1+1)}{(1+1+1) \times 1} = \frac{(2222222+2+2) \times (2+2)}{(2+2+2) \times 2} = \frac{(3333333+3+3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444444+4+4) \times (4+4)}{(4+4+4) \times 4} = \frac{(5555555+5+5) \times (5+5)}{(5+5+5) \times 5} = \frac{(6666666+6+6) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777777+7+7) \times (7+7)}{(7+7+7) \times 7} = \frac{(8888888+8+8) \times (8+8)}{(8+8+8) \times 8} = \frac{(9999999+9+9) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(111111111+1+1) \times (1+1)}{(1+1+1) \times 1} = \frac{(222222222+2+2) \times (2+2)}{(2+2+2) \times 2} = \frac{(333333333+3+3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(444444444+4+4) \times (4+4)}{(4+4+4) \times 4} = \frac{(555555555+5+5) \times (5+5)}{(5+5+5) \times 5} = \frac{(666666666+6+6) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(777777777+7+7) \times (7+7)}{(7+7+7) \times 7} = \frac{(888888888+8+8) \times (8+8)}{(8+8+8) \times 8} = \frac{(999999999+9+9) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(11111111111+1+1) \times (1+1)}{(1+1+1) \times 1} = \frac{(22222222222+2+2) \times (2+2)}{(2+2+2) \times 2} = \frac{(33333333333+3+3) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(44444444444+4+4) \times (4+4)}{(4+4+4) \times 4} = \frac{(55555555555+5+5) \times (5+5)}{(5+5+5) \times 5} = \frac{(66666666666+6+6) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(77777777777+7+7) \times (7+7)}{(7+7+7) \times 7} = \frac{(88888888888+8+8) \times (8+8)}{(8+8+8) \times 8} = \frac{(99999999999+9+9) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(111+11) \times (11+1) + 11 \times (1+1)}{(1+1) \times 1} = \frac{(222+22) \times (22+2) + 22 \times (2+2)}{(2+2) \times 2} = \frac{(333+33) \times (33+3) + 33 \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444+44) \times (44+4) + 44 \times (4+4)}{(4+4) \times 4} = \frac{(555+55) \times (55+5) + 55 \times (5+5)}{(5+5) \times 5} = \frac{(666+66) \times (66+6) + 66 \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777+77) \times (77+7) + 77 \times (7+7)}{(7+7) \times 7} = \frac{(888+88) \times (88+8) + 88 \times (8+8)}{(8+8) \times 8} = \frac{(999+99) \times (99+9) + 99 \times (9+9)}{(9+9) \times 9} \end{aligned}$$

6743

$$\begin{aligned} &:= \frac{(1111+11) \times (11+1) + 11 \times (1+1)}{(1+1) \times 1} = \frac{(2222+22) \times (22+2) + 22 \times (2+2)}{(2+2) \times 2} = \frac{(3333+33) \times (33+3) + 33 \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(4444+44) \times (44+4) + 44 \times (4+4)}{(4+4) \times 4} = \frac{(5555+55) \times (55+5) + 55 \times (5+5)}{(5+5) \times 5} = \frac{(6666+66) \times (66+6) + 66 \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(7777+77) \times (77+7) + 77 \times (7+7)}{(7+7) \times 7} = \frac{(8888+88) \times (88+8) + 88 \times (8+8)}{(8+8) \times 8} = \frac{(9999+99) \times (99+9) + 99 \times (9+9)}{(9+9) \times 9} \end{aligned}$$

66743

$$\begin{aligned} &:= \frac{(11111+11) \times (11+1) + 11 \times (1+1)}{(1+1) \times 1} = \frac{(22222+22) \times (22+2) + 22 \times (2+2)}{(2+2) \times 2} = \frac{(33333+33) \times (33+3) + 33 \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(44444+44) \times (44+4) + 44 \times (4+4)}{(4+4) \times 4} = \frac{(55555+55) \times (55+5) + 55 \times (5+5)}{(5+5) \times 5} = \frac{(66666+66) \times (66+6) + 66 \times (6+6)}{(6+6) \times 6} \end{aligned}$$

$$:= \frac{(77777 + 77) \times (77 + 7) + 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8) + 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9) + 99 \times (9 + 9)}{(9 + 9) \times 9}$$

$$\begin{aligned} \textcolor{red}{666743} &:= \frac{(111111 + 11) \times (11 + 1) + 11 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2) + 22 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3) + 33 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (44 + 4) + 44 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5) + 55 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6) + 66 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (77 + 7) + 77 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8) + 88 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9) + 99 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{744} &:= \frac{1111 + 1111 + 11 - 1}{1 + 1 + 1} = \frac{2222 + 2222 + 22 - 2}{2 + 2 + 2} = \frac{3333 + 3333 + 33 - 3}{3 + 3 + 3} \\ &:= \frac{4444 + 4444 + 44 - 4}{4 + 4 + 4} = \frac{5555 + 5555 + 55 - 5}{5 + 5 + 5} = \frac{6666 + 6666 + 66 - 6}{6 + 6 + 6} \\ &:= \frac{7777 + 7777 + 77 - 7}{7 + 7 + 7} = \frac{8888 + 8888 + 88 - 8}{8 + 8 + 8} = \frac{9999 + 9999 + 99 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7444} &:= \frac{11111 + 11111 + 111 - 1}{1 + 1 + 1} = \frac{22222 + 22222 + 222 - 2}{2 + 2 + 2} = \frac{33333 + 33333 + 333 - 3}{3 + 3 + 3} \\ &:= \frac{44444 + 44444 + 444 - 4}{4 + 4 + 4} = \frac{55555 + 55555 + 555 - 5}{5 + 5 + 5} = \frac{66666 + 66666 + 666 - 6}{6 + 6 + 6} \\ &:= \frac{77777 + 77777 + 777 - 7}{7 + 7 + 7} = \frac{88888 + 88888 + 888 - 8}{8 + 8 + 8} = \frac{99999 + 99999 + 999 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{74444} &:= \frac{111111 + 111111 + 1111 - 1}{1 + 1 + 1} = \frac{222222 + 222222 + 2222 - 2}{2 + 2 + 2} = \frac{333333 + 333333 + 3333 - 3}{3 + 3 + 3} \\ &:= \frac{444444 + 444444 + 4444 - 4}{4 + 4 + 4} = \frac{555555 + 555555 + 5555 - 5}{5 + 5 + 5} = \frac{666666 + 666666 + 6666 - 6}{6 + 6 + 6} \\ &:= \frac{777777 + 777777 + 7777 - 7}{7 + 7 + 7} = \frac{888888 + 888888 + 8888 - 8}{8 + 8 + 8} = \frac{999999 + 999999 + 9999 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{744444} &:= \frac{1111111 + 1111111 + 11111 - 1}{1 + 1 + 1} = \frac{2222222 + 2222222 + 22222 - 2}{2 + 2 + 2} = \frac{3333333 + 3333333 + 33333 - 3}{3 + 3 + 3} \\ &:= \frac{4444444 + 4444444 + 44444 - 4}{4 + 4 + 4} = \frac{5555555 + 5555555 + 55555 - 5}{5 + 5 + 5} = \frac{6666666 + 6666666 + 66666 - 6}{6 + 6 + 6} \\ &:= \frac{7777777 + 7777777 + 77777 - 7}{7 + 7 + 7} = \frac{8888888 + 8888888 + 88888 - 8}{8 + 8 + 8} = \frac{9999999 + 9999999 + 99999 - 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{745} &:= \frac{1111 + 1111 + 11 + 1 + 1}{1 + 1 + 1} = \frac{2222 + 2222 + 22 + 2 + 2}{2 + 2 + 2} = \frac{3333 + 3333 + 33 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{4444 + 4444 + 44 + 4 + 4}{4 + 4 + 4} = \frac{5555 + 5555 + 55 + 5 + 5}{5 + 5 + 5} = \frac{6666 + 6666 + 66 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{7777 + 7777 + 77 + 7 + 7}{7 + 7 + 7} = \frac{8888 + 8888 + 88 + 8 + 8}{8 + 8 + 8} = \frac{9999 + 9999 + 99 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\textcolor{red}{7445} := \frac{11111 + 11111 + 111 + 1 + 1}{1 + 1 + 1} = \frac{22222 + 22222 + 222 + 2 + 2}{2 + 2 + 2} = \frac{33333 + 33333 + 333 + 3 + 3}{3 + 3 + 3}$$

$$\begin{aligned} &:= \frac{44444 + 44444 + 444 + 4 + 4}{4 + 4 + 4} = \frac{55555 + 55555 + 555 + 5 + 5}{5 + 5 + 5} = \frac{66666 + 66666 + 666 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{77777 + 77777 + 777 + 7 + 7}{7 + 7 + 7} = \frac{88888 + 88888 + 888 + 8 + 8}{8 + 8 + 8} = \frac{99999 + 99999 + 999 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{74445} &:= \frac{111111 + 111111 + 1111 + 1 + 1}{1 + 1 + 1} = \frac{222222 + 222222 + 2222 + 2 + 2}{2 + 2 + 2} = \frac{333333 + 333333 + 3333 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{444444 + 444444 + 4444 + 4 + 4}{4 + 4 + 4} = \frac{555555 + 555555 + 5555 + 5 + 5}{5 + 5 + 5} = \frac{666666 + 666666 + 6666 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{777777 + 777777 + 7777 + 7 + 7}{7 + 7 + 7} = \frac{888888 + 888888 + 8888 + 8 + 8}{8 + 8 + 8} = \frac{999999 + 999999 + 9999 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{744445} &:= \frac{1111111 + 1111111 + 11111 + 1 + 1}{1 + 1 + 1} = \frac{2222222 + 2222222 + 22222 + 2 + 2}{2 + 2 + 2} = \frac{3333333 + 3333333 + 33333 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{4444444 + 4444444 + 44444 + 4 + 4}{4 + 4 + 4} = \frac{5555555 + 5555555 + 55555 + 5 + 5}{5 + 5 + 5} = \frac{6666666 + 6666666 + 66666 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{7777777 + 7777777 + 77777 + 7 + 7}{7 + 7 + 7} = \frac{8888888 + 8888888 + 88888 + 8 + 8}{8 + 8 + 8} = \frac{9999999 + 9999999 + 99999 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{746} &:= \frac{1111 + 1111 + 11 + 1 + 1 + 1 + 1 + 1}{1 + 1 + 1} = \frac{2222 + 2222 + 22 + 2 + 2 + 2 + 2 + 2}{2 + 2 + 2} = \frac{3333 + 3333 + 33 + 3 + 3 + 3 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{4444 + 4444 + 44 + 4 + 4 + 4 + 4 + 4}{4 + 4 + 4} = \frac{5555 + 5555 + 55 + 5 + 5 + 5 + 5 + 5}{5 + 5 + 5} = \frac{6666 + 6666 + 66 + 6 + 6 + 6 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{7777 + 7777 + 77 + 7 + 7 + 7 + 7 + 7}{7 + 7 + 7} = \frac{8888 + 8888 + 88 + 8 + 8 + 8 + 8 + 8}{8 + 8 + 8} = \frac{9999 + 9999 + 99 + 9 + 9 + 9 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7446} &:= \frac{11111 + 11111 + 111 + 1 + 1 + 1 + 1 + 1}{1 + 1 + 1} = \frac{22222 + 22222 + 222 + 2 + 2 + 2 + 2 + 2}{2 + 2 + 2} = \frac{33333 + 33333 + 333 + 3 + 3 + 3 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{44444 + 44444 + 444 + 4 + 4 + 4 + 4 + 4}{4 + 4 + 4} = \frac{55555 + 55555 + 555 + 5 + 5 + 5 + 5 + 5}{5 + 5 + 5} = \frac{66666 + 66666 + 666 + 6 + 6 + 6 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{77777 + 77777 + 777 + 7 + 7 + 7 + 7 + 7}{7 + 7 + 7} = \frac{88888 + 88888 + 888 + 8 + 8 + 8 + 8 + 8}{8 + 8 + 8} = \frac{99999 + 99999 + 999 + 9 + 9 + 9 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{74446} &:= \frac{111111 + 111111 + 1111 + 1 + 1 + 1 + 1 + 1}{1 + 1 + 1} = \frac{222222 + 222222 + 2222 + 2 + 2 + 2 + 2 + 2}{2 + 2 + 2} = \frac{333333 + 333333 + 3333 + 3 + 3 + 3 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{444444 + 444444 + 4444 + 4 + 4 + 4 + 4 + 4}{4 + 4 + 4} = \frac{555555 + 555555 + 5555 + 5 + 5 + 5 + 5 + 5}{5 + 5 + 5} = \frac{666666 + 666666 + 6666 + 6 + 6 + 6 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{777777 + 777777 + 7777 + 7 + 7 + 7 + 7 + 7}{7 + 7 + 7} = \frac{888888 + 888888 + 8888 + 8 + 8 + 8 + 8 + 8}{8 + 8 + 8} = \frac{999999 + 999999 + 9999 + 9 + 9 + 9 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{744446} &:= \frac{1111111 + 1111111 + 11111 + 1 + 1 + 1 + 1 + 1}{1 + 1 + 1} = \frac{2222222 + 2222222 + 22222 + 2 + 2 + 2 + 2 + 2}{2 + 2 + 2} = \frac{3333333 + 3333333 + 33333 + 3 + 3 + 3 + 3 + 3}{3 + 3 + 3} \\ &:= \frac{4444444 + 4444444 + 44444 + 4 + 4 + 4 + 4 + 4}{4 + 4 + 4} = \frac{5555555 + 5555555 + 55555 + 5 + 5 + 5 + 5 + 5}{5 + 5 + 5} = \frac{6666666 + 6666666 + 66666 + 6 + 6 + 6 + 6 + 6}{6 + 6 + 6} \\ &:= \frac{7777777 + 7777777 + 77777 + 7 + 7 + 7 + 7 + 7}{7 + 7 + 7} = \frac{8888888 + 8888888 + 88888 + 8 + 8 + 8 + 8 + 8}{8 + 8 + 8} = \frac{9999999 + 9999999 + 99999 + 9 + 9 + 9 + 9 + 9}{9 + 9 + 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(11+11+11) \times (11+11+1) - (11+1) \times 1}{1 \times 1} = \frac{(22+22+22) \times (22+22+2) - (22+2) \times 2}{2 \times 2} = \frac{(33+33+33) \times (33+33+3) - (33+3) \times 3}{3 \times 3} \\ &:= \frac{(44+44+44) \times (44+44+4) - (44+4) \times 4}{4 \times 4} = \frac{(55+55+55) \times (55+55+5) - (55+5) \times 5}{5 \times 5} = \frac{(66+66+66) \times (66+66+6) - (66+6) \times 6}{6 \times 6} \\ &:= \frac{(77+77+77) \times (77+77+7) - (77+7) \times 7}{7 \times 7} = \frac{(88+88+88) \times (88+88+8) - (88+8) \times 8}{8 \times 8} = \frac{(99+99+99) \times (99+99+9) - (99+9) \times 9}{9 \times 9} \end{aligned}$$

7647

$$\begin{aligned} &:= \frac{(111+111+111) \times (11+11+1) - (11+1) \times 1}{1 \times 1} = \frac{(222+222+222) \times (22+22+2) - (22+2) \times 2}{2 \times 2} = \frac{(333+333+333) \times (33+33+3) - (33+3) \times 3}{3 \times 3} \\ &:= \frac{(444+444+444) \times (44+44+4) - (44+4) \times 4}{4 \times 4} = \frac{(555+555+555) \times (55+55+5) - (55+5) \times 5}{5 \times 5} = \frac{(666+666+666) \times (66+66+6) - (66+6) \times 6}{6 \times 6} \\ &:= \frac{(777+777+777) \times (77+77+7) - (77+7) \times 7}{7 \times 7} = \frac{(888+888+888) \times (88+88+8) - (88+8) \times 8}{8 \times 8} = \frac{(999+999+999) \times (99+99+9) - (99+9) \times 9}{9 \times 9} \end{aligned}$$

76647

$$\begin{aligned} &:= \frac{(1111+1111+1111) \times (11+11+1) - (1+1) \times 1}{1 \times 1} = \frac{(2222+2222+2222) \times (22+22+2) - (2+2) \times 2}{2 \times 2} = \frac{(3333+3333+3333) \times (33+33+3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(4444+4444+4444) \times (44+44+4) - (4+4) \times 4}{4 \times 4} = \frac{(5555+5555+5555) \times (55+55+5) - (5+5) \times 5}{5 \times 5} = \frac{(6666+6666+6666) \times (66+66+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(7777+7777+7777) \times (77+77+7) - (7+7) \times 7}{7 \times 7} = \frac{(8888+8888+8888) \times (88+88+8) - (8+8) \times 8}{8 \times 8} = \frac{(9999+9999+9999) \times (99+99+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

766647

$$\begin{aligned} &:= \frac{(11111+11111+11111) \times (11+11+1) - (1+1) \times 1}{1 \times 1} = \frac{(22222+22222+22222) \times (22+22+2) - (2+2) \times 2}{2 \times 2} = \frac{(33333+33333+33333) \times (33+33+3) - (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44444+44444+44444) \times (44+44+4) - (4+4) \times 4}{4 \times 4} = \frac{(55555+55555+55555) \times (55+55+5) - (5+5) \times 5}{5 \times 5} = \frac{(66666+66666+66666) \times (66+66+6) - (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77777+77777+77777) \times (77+77+7) - (7+7) \times 7}{7 \times 7} = \frac{(88888+88888+88888) \times (88+88+8) - (8+8) \times 8}{8 \times 8} = \frac{(99999+99999+99999) \times (99+99+9) - (9+9) \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} &:= \frac{(1111+11) \times (1+1)}{(1+1+1) \times 1} = \frac{(2222+22) \times (2+2)}{(2+2+2) \times 2} = \frac{(3333+33) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444+44) \times (4+4)}{(4+4+4) \times 4} = \frac{(5555+55) \times (5+5)}{(5+5+5) \times 5} = \frac{(6666+66) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777+77) \times (7+7)}{(7+7+7) \times 7} = \frac{(8888+88) \times (8+8)}{(8+8+8) \times 8} = \frac{(9999+99) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

740748

$$\begin{aligned} &:= \frac{(1111111+11) \times (1+1)}{(1+1+1) \times 1} = \frac{(2222222+22) \times (2+2)}{(2+2+2) \times 2} = \frac{(3333333+33) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444444+44) \times (4+4)}{(4+4+4) \times 4} = \frac{(5555555+55) \times (5+5)}{(5+5+5) \times 5} = \frac{(6666666+66) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777777+77) \times (7+7)}{(7+7+7) \times 7} = \frac{(8888888+88) \times (8+8)}{(8+8+8) \times 8} = \frac{(9999999+99) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

7407407488

$$\begin{aligned} &:= \frac{(111111111+11) \times (1+1)}{(1+1+1) \times 1} = \frac{(222222222+22) \times (2+2)}{(2+2+2) \times 2} = \frac{(333333333+33) \times (3+3)}{(3+3+3) \times 3} \\ &:= \frac{(444444444+44) \times (4+4)}{(4+4+4) \times 4} = \frac{(555555555+55) \times (5+5)}{(5+5+5) \times 5} = \frac{(666666666+66) \times (6+6)}{(6+6+6) \times 6} \\ &:= \frac{(777777777+77) \times (7+7)}{(7+7+7) \times 7} = \frac{(888888888+88) \times (8+8)}{(8+8+8) \times 8} = \frac{(999999999+99) \times (9+9)}{(9+9+9) \times 9} \end{aligned}$$

740740740748 := $\frac{(111111111111 + 11) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222222222 + 22) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333333333 + 33) \times (3 + 3)}{(3 + 3 + 3) \times 3}$
:= $\frac{(444444444444 + 44) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555555555 + 55) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666666666 + 66) \times (6 + 6)}{(6 + 6 + 6) \times 6}$
:= $\frac{(777777777777 + 77) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888888888 + 88) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999999999 + 99) \times (9 + 9)}{(9 + 9 + 9) \times 9}$

► **749** := $\frac{(1111 + 11) \times (1 + 1) + (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(2222 + 22) \times (2 + 2) + (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(3333 + 33) \times (3 + 3) + (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$
:= $\frac{(4444 + 44) \times (4 + 4) + (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(5555 + 55) \times (5 + 5) + (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(6666 + 66) \times (6 + 6) + (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6}$
:= $\frac{(7777 + 77) \times (7 + 7) + (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(8888 + 88) \times (8 + 8) + (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(9999 + 99) \times (9 + 9) + (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}$

740749 := $\frac{(1111111 + 11) \times (1 + 1) + (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(2222222 + 22) \times (2 + 2) + (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(3333333 + 33) \times (3 + 3) + (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$
:= $\frac{(4444444 + 44) \times (4 + 4) + (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(5555555 + 55) \times (5 + 5) + (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(6666666 + 66) \times (6 + 6) + (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6}$
:= $\frac{(7777777 + 77) \times (7 + 7) + (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(8888888 + 88) \times (8 + 8) + (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(9999999 + 99) \times (9 + 9) + (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}$

7407407489 := $\frac{(1111111111 + 11) \times (1 + 1) + (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(222222222 + 22) \times (2 + 2) + (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(333333333 + 33) \times (3 + 3) + (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$
:= $\frac{(4444444444 + 44) \times (4 + 4) + (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(555555555 + 55) \times (5 + 5) + (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(666666666 + 66) \times (6 + 6) + (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6}$
:= $\frac{(7777777777 + 77) \times (7 + 7) + (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(888888888 + 88) \times (8 + 8) + (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(999999999 + 99) \times (9 + 9) + (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}$

740740740749 := $\frac{(111111111111 + 11) \times (1 + 1) + (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(222222222222 + 22) \times (2 + 2) + (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(333333333333 + 33) \times (3 + 3) + (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$
:= $\frac{(4444444444444 + 44) \times (4 + 4) + (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(555555555555 + 55) \times (5 + 5) + (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(666666666666 + 66) \times (6 + 6) + (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6}$
:= $\frac{(777777777777 + 77) \times (7 + 7) + (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(888888888888 + 88) \times (8 + 8) + (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(999999999999 + 99) \times (9 + 9) + (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}$

► **750** := $\frac{(1111 - 111) \times (1 + 1 + 1)}{(1 + 1) \times (1 + 1)} = \frac{(2222 - 222) \times (2 + 2 + 2)}{(2 + 2) \times (2 + 2)} = \frac{(3333 - 333) \times (3 + 3 + 3)}{(3 + 3) \times (3 + 3)}$
:= $\frac{(4444 - 444) \times (4 + 4 + 4)}{(4 + 4) \times (4 + 4)} = \frac{(5555 - 555) \times (5 + 5 + 5)}{(5 + 5) \times (5 + 5)} = \frac{(6666 - 666) \times (6 + 6 + 6)}{(6 + 6) \times (6 + 6)}$
:= $\frac{(7777 - 777) \times (7 + 7 + 7)}{(7 + 7) \times (7 + 7)} = \frac{(8888 - 888) \times (8 + 8 + 8)}{(8 + 8) \times (8 + 8)} = \frac{(9999 - 999) \times (9 + 9 + 9)}{(9 + 9) \times (9 + 9)}$

7500 := $\frac{(11111 - 1111) \times (1 + 1 + 1)}{(1 + 1) \times (1 + 1)} = \frac{(22222 - 2222) \times (2 + 2 + 2)}{(2 + 2) \times (2 + 2)} = \frac{(33333 - 3333) \times (3 + 3 + 3)}{(3 + 3) \times (3 + 3)}$
:= $\frac{(44444 - 4444) \times (4 + 4 + 4)}{(4 + 4) \times (4 + 4)} = \frac{(55555 - 5555) \times (5 + 5 + 5)}{(5 + 5) \times (5 + 5)} = \frac{(66666 - 6666) \times (6 + 6 + 6)}{(6 + 6) \times (6 + 6)}$

$$:= \frac{(77777-7777) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(88888-8888) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(99999-9999) \times (9+9+9)}{(9+9) \times (9+9)}$$

$$\begin{aligned} \textcolor{red}{75000} &:= \frac{(111111-11111) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(222222-22222) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(333333-33333) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(444444-44444) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(555555-55555) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(666666-66666) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(777777-77777) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(888888-88888) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(999999-99999) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{750000} &:= \frac{(1111111-111111) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(2222222-222222) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(3333333-333333) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444444-444444) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(5555555-555555) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(6666666-666666) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(7777777-777777) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(8888888-888888) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(9999999-999999) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{751} &:= \frac{1111+1111+11+11+11-1-1}{1+1+1} = \frac{2222+2222+22+22+22-2-2}{2+2+2} = \frac{3333+3333+33+33+33-3-3}{3+3+3} \\ &:= \frac{4444+4444+44+44+44-4-4}{4+4+4} = \frac{5555+5555+55+55+55-5-5}{5+5+5} = \frac{6666+6666+66+66+66-6-6}{6+6+6} \\ &:= \frac{7777+7777+77+77+77-7-7}{7+7+7} = \frac{8888+8888+88+88+88-8-8}{8+8+8} = \frac{9999+9999+99+99+99-9-9}{9+9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7451} &:= \frac{11111+11111+111+11+11-1-1}{1+1+1} = \frac{22222+22222+222+22+22-2-2}{2+2+2} = \frac{33333+33333+333+33+33-3-3}{3+3+3} \\ &:= \frac{44444+44444+444+44+44-4-4}{4+4+4} = \frac{55555+55555+555+55+55-5-5}{5+5+5} = \frac{66666+66666+666+66+66-6-6}{6+6+6} \\ &:= \frac{77777+77777+777+77+77-7-7}{7+7+7} = \frac{88888+88888+888+88+88-8-8}{8+8+8} = \frac{99999+99999+999+99+99-9-9}{9+9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{74451} &:= \frac{111111+111111+1111+11+11-1-1}{1+1+1} = \frac{222222+222222+2222+22+22-2-2}{2+2+2} = \frac{333333+333333+3333+33+33-3-3}{3+3+3} \\ &:= \frac{444444+444444+4444+44+44-4-4}{4+4+4} = \frac{555555+555555+5555+55+55-5-5}{5+5+5} = \frac{666666+666666+6666+66+66-6-6}{6+6+6} \\ &:= \frac{777777+777777+7777+77+77-7-7}{7+7+7} = \frac{888888+888888+8888+88+88-8-8}{8+8+8} = \frac{999999+999999+9999+99+99-9-9}{9+9+9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{744451} &:= \frac{1111111+1111111+11111+11+11-1-1}{1+1+1} = \frac{2222222+2222222+22222+22+22-2-2}{2+2+2} = \frac{3333333+3333333+33333+33+33-3-3}{3+3+3} \\ &:= \frac{4444444+4444444+44444+44+44-4-4}{4+4+4} = \frac{5555555+5555555+55555+55+55-5-5}{5+5+5} = \frac{6666666+6666666+66666+66+66-6-6}{6+6+6} \\ &:= \frac{7777777+7777777+77777+77+77-7-7}{7+7+7} = \frac{8888888+8888888+88888+88+88-8-8}{8+8+8} = \frac{9999999+9999999+99999+99+99-9-9}{9+9+9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{752} := \frac{1111+1111+11+11+11+1}{1+1+1} = \frac{2222+2222+22+22+22+2}{2+2+2} = \frac{3333+3333+33+33+33+3}{3+3+3}$$

$$\begin{aligned} &:= \frac{4444 + 4444 + 44 + 44 + 44 + 4}{4 + 4 + 4} = \frac{5555 + 5555 + 55 + 55 + 55 + 5}{5 + 5 + 5} = \frac{6666 + 6666 + 66 + 66 + 66 + 6}{6 + 6 + 6} \\ &:= \frac{7777 + 7777 + 77 + 77 + 77 + 7}{7 + 7 + 7} = \frac{8888 + 8888 + 88 + 88 + 88 + 8}{8 + 8 + 8} = \frac{9999 + 9999 + 99 + 99 + 99 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textbf{7452} &:= \frac{11111 + 11111 + 111 + 11 + 11 + 1}{1 + 1 + 1} = \frac{22222 + 22222 + 222 + 22 + 22 + 2}{2 + 2 + 2} = \frac{33333 + 33333 + 333 + 33 + 33 + 3}{3 + 3 + 3} \\ &:= \frac{44444 + 44444 + 444 + 44 + 44 + 4}{4 + 4 + 4} = \frac{55555 + 55555 + 555 + 55 + 55 + 5}{5 + 5 + 5} = \frac{66666 + 66666 + 666 + 66 + 66 + 6}{6 + 6 + 6} \\ &:= \frac{77777 + 77777 + 777 + 77 + 77 + 7}{7 + 7 + 7} = \frac{88888 + 88888 + 888 + 88 + 88 + 8}{8 + 8 + 8} = \frac{99999 + 99999 + 999 + 99 + 99 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textbf{74452} &:= \frac{111111 + 111111 + 1111 + 11 + 11 + 1}{1 + 1 + 1} = \frac{222222 + 222222 + 2222 + 22 + 22 + 2}{2 + 2 + 2} = \frac{333333 + 333333 + 3333 + 33 + 33 + 3}{3 + 3 + 3} \\ &:= \frac{444444 + 444444 + 4444 + 44 + 44 + 4}{4 + 4 + 4} = \frac{555555 + 555555 + 5555 + 55 + 55 + 5}{5 + 5 + 5} = \frac{666666 + 666666 + 6666 + 66 + 66 + 6}{6 + 6 + 6} \\ &:= \frac{777777 + 777777 + 7777 + 77 + 77 + 7}{7 + 7 + 7} = \frac{888888 + 888888 + 8888 + 88 + 88 + 8}{8 + 8 + 8} = \frac{999999 + 999999 + 9999 + 99 + 99 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \textbf{744452} &:= \frac{1111111 + 1111111 + 11111 + 11 + 11 + 1}{1 + 1 + 1} = \frac{2222222 + 2222222 + 22222 + 22 + 22 + 2}{2 + 2 + 2} = \frac{3333333 + 3333333 + 33333 + 33 + 33 + 3}{3 + 3 + 3} \\ &:= \frac{4444444 + 4444444 + 44444 + 44 + 44 + 4}{4 + 4 + 4} = \frac{5555555 + 5555555 + 55555 + 55 + 55 + 5}{5 + 5 + 5} = \frac{6666666 + 6666666 + 66666 + 66 + 66 + 6}{6 + 6 + 6} \\ &:= \frac{7777777 + 7777777 + 77777 + 77 + 77 + 7}{7 + 7 + 7} = \frac{8888888 + 8888888 + 88888 + 88 + 88 + 8}{8 + 8 + 8} = \frac{9999999 + 9999999 + 99999 + 99 + 99 + 9}{9 + 9 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textbf{753} &:= \frac{1111 \times (11 + 1) + 111 \times (1 + 1)}{(11 - 1 - 1) \times (1 + 1)} = \frac{2222 \times (22 + 2) + 222 \times (2 + 2)}{(22 - 2 - 2) \times (2 + 2)} = \frac{3333 \times (33 + 3) + 333 \times (3 + 3)}{(33 - 3 - 3) \times (3 + 3)} \\ &:= \frac{4444 \times (44 + 4) + 444 \times (4 + 4)}{(44 - 4 - 4) \times (4 + 4)} = \frac{5555 \times (55 + 5) + 555 \times (5 + 5)}{(55 - 5 - 5) \times (5 + 5)} = \frac{6666 \times (66 + 6) + 666 \times (6 + 6)}{(66 - 6 - 6) \times (6 + 6)} \\ &:= \frac{7777 \times (77 + 7) + 777 \times (7 + 7)}{(77 - 7 - 7) \times (7 + 7)} = \frac{8888 \times (88 + 8) + 888 \times (8 + 8)}{(88 - 8 - 8) \times (8 + 8)} = \frac{9999 \times (99 + 9) + 999 \times (9 + 9)}{(99 - 9 - 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \textbf{740753} &:= \frac{1111111 \times (11 + 1) + 111 \times (1 + 1)}{(11 - 1 - 1) \times (1 + 1)} = \frac{2222222 \times (22 + 2) + 222 \times (2 + 2)}{(22 - 2 - 2) \times (2 + 2)} = \frac{3333333 \times (33 + 3) + 333 \times (3 + 3)}{(33 - 3 - 3) \times (3 + 3)} \\ &:= \frac{4444444 \times (44 + 4) + 444 \times (4 + 4)}{(44 - 4 - 4) \times (4 + 4)} = \frac{5555555 \times (55 + 5) + 555 \times (5 + 5)}{(55 - 5 - 5) \times (5 + 5)} = \frac{6666666 \times (66 + 6) + 666 \times (6 + 6)}{(66 - 6 - 6) \times (6 + 6)} \\ &:= \frac{7777777 \times (77 + 7) + 777 \times (7 + 7)}{(77 - 7 - 7) \times (7 + 7)} = \frac{8888888 \times (88 + 8) + 888 \times (8 + 8)}{(88 - 8 - 8) \times (8 + 8)} = \frac{9999999 \times (99 + 9) + 999 \times (9 + 9)}{(99 - 9 - 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \textbf{740740753} &:= \frac{1111111111 \times (11 + 1) + 111 \times (1 + 1)}{(11 - 1 - 1) \times (1 + 1)} = \frac{2222222222 \times (22 + 2) + 222 \times (2 + 2)}{(22 - 2 - 2) \times (2 + 2)} = \frac{3333333333 \times (33 + 3) + 333 \times (3 + 3)}{(33 - 3 - 3) \times (3 + 3)} \\ &:= \frac{4444444444 \times (44 + 4) + 444 \times (4 + 4)}{(44 - 4 - 4) \times (4 + 4)} = \frac{5555555555 \times (55 + 5) + 555 \times (5 + 5)}{(55 - 5 - 5) \times (5 + 5)} = \frac{6666666666 \times (66 + 6) + 666 \times (6 + 6)}{(66 - 6 - 6) \times (6 + 6)} \\ &:= \frac{7777777777 \times (77 + 7) + 777 \times (7 + 7)}{(77 - 7 - 7) \times (7 + 7)} = \frac{8888888888 \times (88 + 8) + 888 \times (8 + 8)}{(88 - 8 - 8) \times (8 + 8)} = \frac{9999999999 \times (99 + 9) + 999 \times (9 + 9)}{(99 - 9 - 9) \times (9 + 9)} \end{aligned}$$

740740740753

$$\begin{aligned} &:= \frac{111111111111 \times (11 + 1) + 111 \times (1 + 1)}{(11 - 1 - 1) \times (1 + 1)} = \frac{222222222222 \times (22 + 2) + 222 \times (2 + 2)}{(22 - 2 - 2) \times (2 + 2)} = \frac{333333333333 \times (33 + 3) + 333 \times (3 + 3)}{(33 - 3 - 3) \times (3 + 3)} \\ &:= \frac{444444444444 \times (44 + 4) + 444 \times (4 + 4)}{(44 - 4 - 4) \times (4 + 4)} = \frac{555555555555 \times (55 + 5) + 555 \times (5 + 5)}{(55 - 5 - 5) \times (5 + 5)} = \frac{666666666666 \times (66 + 6) + 666 \times (6 + 6)}{(66 - 6 - 6) \times (6 + 6)} \\ &:= \frac{777777777777 \times (77 + 7) + 777 \times (7 + 7)}{(77 - 7 - 7) \times (7 + 7)} = \frac{888888888888 \times (88 + 8) + 888 \times (8 + 8)}{(88 - 8 - 8) \times (8 + 8)} = \frac{999999999999 \times (99 + 9) + 999 \times (9 + 9)}{(99 - 9 - 9) \times (9 + 9)} \end{aligned}$$

► 754

$$\begin{aligned} &:= \frac{(1111 + 11 + 11 - 1 - 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 22 + 22 - 2 - 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 33 + 33 - 3 - 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 44 + 44 - 4 - 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 55 + 55 - 5 - 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 66 + 66 - 6 - 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 77 + 77 - 7 - 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 88 + 88 - 8 - 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 99 + 99 - 9 - 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

7554

$$\begin{aligned} &:= \frac{(11111 + 111 + 111 - 1 - 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 222 + 222 - 2 - 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 333 + 333 - 3 - 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 444 + 444 - 4 - 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 555 + 555 - 5 - 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 666 + 666 - 6 - 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 777 + 777 - 7 - 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 888 + 888 - 8 - 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 999 + 999 - 9 - 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

75554

$$\begin{aligned} &:= \frac{(111111 + 1111 + 1111 - 1 - 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 2222 + 2222 - 2 - 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 3333 + 3333 - 3 - 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 4444 + 4444 - 4 - 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 5555 + 5555 - 5 - 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 6666 + 6666 - 6 - 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 7777 + 7777 - 7 - 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 8888 + 8888 - 8 - 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 9999 + 9999 - 9 - 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

755554

$$\begin{aligned} &:= \frac{(1111111 + 11111 + 11111 - 1 - 1) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222222 + 22222 + 22222 - 2 - 2) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333333 + 33333 + 33333 - 3 - 3) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444444 + 44444 + 44444 - 4 - 4) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555555 + 55555 + 55555 - 5 - 5) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666666 + 66666 + 66666 - 6 - 6) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777777 + 77777 + 77777 - 7 - 7) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888888 + 88888 + 88888 - 8 - 8) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999999 + 99999 + 99999 - 9 - 9) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

► 755

$$\begin{aligned} &:= \frac{(11 + 11 - 1) \times (11 + 1) \times (1 + 1 + 1) - 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22 + 22 - 2) \times (22 + 2) \times (2 + 2 + 2) - 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33 + 33 - 3) \times (33 + 3) \times (3 + 3 + 3) - 3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(44 + 44 - 4) \times (44 + 4) \times (4 + 4 + 4) - 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55 + 55 - 5) \times (55 + 5) \times (5 + 5 + 5) - 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66 + 66 - 6) \times (66 + 6) \times (6 + 6 + 6) - 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77 + 77 - 7) \times (77 + 7) \times (7 + 7 + 7) - 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88 + 88 - 8) \times (88 + 8) \times (8 + 8 + 8) - 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99 + 99 - 9) \times (99 + 9) \times (9 + 9 + 9) - 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

7955

$$\begin{aligned} &:= \frac{(111 + 111 - 1) \times (11 + 1) \times (1 + 1 + 1) - 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(222 + 222 - 2) \times (22 + 2) \times (2 + 2 + 2) - 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(333 + 333 - 3) \times (33 + 3) \times (3 + 3 + 3) - 3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(444 + 444 - 4) \times (44 + 4) \times (4 + 4 + 4) - 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(555 + 555 - 5) \times (55 + 5) \times (5 + 5 + 5) - 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(666 + 666 - 6) \times (66 + 6) \times (6 + 6 + 6) - 6 \times 6 \times 6}{6 \times 6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(777+777-7) \times (77+7) \times (7+7+7) - 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(888+888-8) \times (88+8) \times (8+8+8) - 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(999+999-9) \times (99+9) \times (9+9+9) - 9 \times 9 \times 9}{9 \times 9 \times 9} \\ \textcolor{red}{79955} &:= \frac{(1111+1111-1) \times (11+1) \times (1+1+1) - 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(2222+2222-2) \times (22+2) \times (2+2+2) - 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(3333+3333-3) \times (33+3) \times (3+3+3) - 3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(4444+4444-4) \times (44+4) \times (4+4+4) - 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(5555+5555-5) \times (55+5) \times (5+5+5) - 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(6666+6666-6) \times (66+6) \times (6+6+6) - 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(7777+7777-7) \times (77+7) \times (7+7+7) - 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(8888+8888-8) \times (88+8) \times (8+8+8) - 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(9999+9999-9) \times (99+9) \times (9+9+9) - 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{799955} &:= \frac{(11111+11111-1) \times (11+1) \times (1+1+1) - 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22222+22222-2) \times (22+2) \times (2+2+2) - 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33333+33333-3) \times (33+3) \times (3+3+3) - 3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(44444+44444-4) \times (44+4) \times (4+4+4) - 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55555+55555-5) \times (55+5) \times (5+5+5) - 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66666+66666-6) \times (66+6) \times (6+6+6) - 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77777+77777-7) \times (77+7) \times (7+7+7) - 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88888+88888-8) \times (88+8) \times (8+8+8) - 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99999+99999-9) \times (99+9) \times (9+9+9) - 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{756} &:= \frac{(11+11-1) \times (11+1) \times (1+1+1)}{1 \times 1 \times 1} = \frac{(22+22-2) \times (22+2) \times (2+2+2)}{2 \times 2 \times 2} = \frac{(33+33-3) \times (33+3) \times (3+3+3)}{3 \times 3 \times 3} \\ &:= \frac{(44+44-4) \times (44+4) \times (4+4+4)}{4 \times 4 \times 4} = \frac{(55+55-5) \times (55+5) \times (5+5+5)}{5 \times 5 \times 5} = \frac{(66+66-6) \times (66+6) \times (6+6+6)}{6 \times 6 \times 6} \\ &:= \frac{(77+77-7) \times (77+7) \times (7+7+7)}{7 \times 7 \times 7} = \frac{(88+88-8) \times (88+8) \times (8+8+8)}{8 \times 8 \times 8} = \frac{(99+99-9) \times (99+9) \times (9+9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7956} &:= \frac{(111+111-1) \times (11+1) \times (1+1+1)}{1 \times 1 \times 1} = \frac{(222+222-2) \times (22+2) \times (2+2+2)}{2 \times 2 \times 2} = \frac{(333+333-3) \times (33+3) \times (3+3+3)}{3 \times 3 \times 3} \\ &:= \frac{(444+444-4) \times (44+4) \times (4+4+4)}{4 \times 4 \times 4} = \frac{(555+555-5) \times (55+5) \times (5+5+5)}{5 \times 5 \times 5} = \frac{(666+666-6) \times (66+6) \times (6+6+6)}{6 \times 6 \times 6} \\ &:= \frac{(777+777-7) \times (77+7) \times (7+7+7)}{7 \times 7 \times 7} = \frac{(888+888-8) \times (88+8) \times (8+8+8)}{8 \times 8 \times 8} = \frac{(999+999-9) \times (99+9) \times (9+9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{79956} &:= \frac{(1111+1111-1) \times (11+1) \times (1+1+1)}{1 \times 1 \times 1} = \frac{(2222+2222-2) \times (22+2) \times (2+2+2)}{2 \times 2 \times 2} = \frac{(3333+3333-3) \times (33+3) \times (3+3+3)}{3 \times 3 \times 3} \\ &:= \frac{(4444+4444-4) \times (44+4) \times (4+4+4)}{4 \times 4 \times 4} = \frac{(5555+5555-5) \times (55+5) \times (5+5+5)}{5 \times 5 \times 5} = \frac{(6666+6666-6) \times (66+6) \times (6+6+6)}{6 \times 6 \times 6} \\ &:= \frac{(7777+7777-7) \times (77+7) \times (7+7+7)}{7 \times 7 \times 7} = \frac{(8888+8888-8) \times (88+8) \times (8+8+8)}{8 \times 8 \times 8} = \frac{(9999+9999-9) \times (99+9) \times (9+9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{799956} &:= \frac{(11111+11111-1) \times (11+1) \times (1+1+1)}{1 \times 1 \times 1} = \frac{(22222+22222-2) \times (22+2) \times (2+2+2)}{2 \times 2 \times 2} = \frac{(33333+33333-3) \times (33+3) \times (3+3+3)}{3 \times 3 \times 3} \\ &:= \frac{(44444+44444-4) \times (44+4) \times (4+4+4)}{4 \times 4 \times 4} = \frac{(55555+55555-5) \times (55+5) \times (5+5+5)}{5 \times 5 \times 5} = \frac{(66666+66666-6) \times (66+6) \times (6+6+6)}{6 \times 6 \times 6} \\ &:= \frac{(77777+77777-7) \times (77+7) \times (7+7+7)}{7 \times 7 \times 7} = \frac{(88888+88888-8) \times (88+8) \times (8+8+8)}{8 \times 8 \times 8} = \frac{(99999+99999-9) \times (99+9) \times (9+9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{757} &:= \frac{(11-1-1) \times 111 - (11+11) \times 11}{1 \times 1} = \frac{(22-2-2) \times 222 - (22+22) \times 22}{2 \times 2} = \frac{(33-3-3) \times 333 - (33+33) \times 33}{3 \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(44-4-4) \times 444 - (44+44) \times 44}{4 \times 4} = \frac{(55-5-5) \times 555 - (55+55) \times 55}{5 \times 5} = \frac{(66-6-6) \times 666 - (66+66) \times 66}{6 \times 6} \\ &:= \frac{(77-7-7) \times 777 - (77+77) \times 77}{7 \times 7} = \frac{(88-8-8) \times 888 - (88+88) \times 88}{8 \times 8} = \frac{(99-9-9) \times 999 - (99+99) \times 99}{9 \times 9} \end{aligned}$$

9757

$$\begin{aligned} &:= \frac{(11-1-1) \times 1111 - (11+11) \times 11}{1 \times 1} = \frac{(22-2-2) \times 2222 - (22+22) \times 22}{2 \times 2} = \frac{(33-3-3) \times 3333 - (33+33) \times 33}{3 \times 3} \\ &:= \frac{(44-4-4) \times 4444 - (44+44) \times 44}{4 \times 4} = \frac{(55-5-5) \times 5555 - (55+55) \times 55}{5 \times 5} = \frac{(66-6-6) \times 6666 - (66+66) \times 66}{6 \times 6} \\ &:= \frac{(77-7-7) \times 7777 - (77+77) \times 77}{7 \times 7} = \frac{(88-8-8) \times 8888 - (88+88) \times 88}{8 \times 8} = \frac{(99-9-9) \times 9999 - (99+99) \times 99}{9 \times 9} \end{aligned}$$

99757

$$\begin{aligned} &:= \frac{(11-1-1) \times 11111 - (11+11) \times 11}{1 \times 1} = \frac{(22-2-2) \times 22222 - (22+22) \times 22}{2 \times 2} = \frac{(33-3-3) \times 33333 - (33+33) \times 33}{3 \times 3} \\ &:= \frac{(44-4-4) \times 44444 - (44+44) \times 44}{4 \times 4} = \frac{(55-5-5) \times 55555 - (55+55) \times 55}{5 \times 5} = \frac{(66-6-6) \times 66666 - (66+66) \times 66}{6 \times 6} \\ &:= \frac{(77-7-7) \times 77777 - (77+77) \times 77}{7 \times 7} = \frac{(88-8-8) \times 88888 - (88+88) \times 88}{8 \times 8} = \frac{(99-9-9) \times 99999 - (99+99) \times 99}{9 \times 9} \end{aligned}$$

999757

$$\begin{aligned} &:= \frac{(11-1-1) \times 111111 - (11+11) \times 11}{1 \times 1} = \frac{(22-2-2) \times 222222 - (22+22) \times 22}{2 \times 2} = \frac{(33-3-3) \times 333333 - (33+33) \times 33}{3 \times 3} \\ &:= \frac{(44-4-4) \times 444444 - (44+44) \times 44}{4 \times 4} = \frac{(55-5-5) \times 555555 - (55+55) \times 55}{5 \times 5} = \frac{(66-6-6) \times 666666 - (66+66) \times 66}{6 \times 6} \\ &:= \frac{(77-7-7) \times 777777 - (77+77) \times 77}{7 \times 7} = \frac{(88-8-8) \times 888888 - (88+88) \times 88}{8 \times 8} = \frac{(99-9-9) \times 999999 - (99+99) \times 99}{9 \times 9} \end{aligned}$$

► 758

$$\begin{aligned} &:= \frac{(11+11+11) \times (11+11+1) - 1 \times 1}{1 \times 1} = \frac{(22+22+22) \times (22+22+2) - 2 \times 2}{2 \times 2} = \frac{(33+33+33) \times (33+33+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44+44+44) \times (44+44+4) - 4 \times 4}{4 \times 4} = \frac{(55+55+55) \times (55+55+5) - 5 \times 5}{5 \times 5} = \frac{(66+66+66) \times (66+66+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77+77+77) \times (77+77+7) - 7 \times 7}{7 \times 7} = \frac{(88+88+88) \times (88+88+8) - 8 \times 8}{8 \times 8} = \frac{(99+99+99) \times (99+99+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

7658

$$\begin{aligned} &:= \frac{(111+111+111) \times (11+11+1) - 1 \times 1}{1 \times 1} = \frac{(222+222+222) \times (22+22+2) - 2 \times 2}{2 \times 2} = \frac{(333+333+333) \times (33+33+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444+444+444) \times (44+44+4) - 4 \times 4}{4 \times 4} = \frac{(555+555+555) \times (55+55+5) - 5 \times 5}{5 \times 5} = \frac{(666+666+666) \times (66+66+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777+777+777) \times (77+77+7) - 7 \times 7}{7 \times 7} = \frac{(888+888+888) \times (88+88+8) - 8 \times 8}{8 \times 8} = \frac{(999+999+999) \times (99+99+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

76658

$$\begin{aligned} &:= \frac{(1111+1111+1111) \times (11+11+1) - 1 \times 1}{1 \times 1} = \frac{(2222+2222+2222) \times (22+22+2) - 2 \times 2}{2 \times 2} = \frac{(3333+3333+3333) \times (33+33+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4444+4444) \times (44+44+4) - 4 \times 4}{4 \times 4} = \frac{(5555+5555+5555) \times (55+55+5) - 5 \times 5}{5 \times 5} = \frac{(6666+6666+6666) \times (66+66+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7777+7777) \times (77+77+7) - 7 \times 7}{7 \times 7} = \frac{(8888+8888+8888) \times (88+88+8) - 8 \times 8}{8 \times 8} = \frac{(9999+9999+9999) \times (99+99+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{766658} &:= \frac{(11111 + 11111 + 11111) \times (11 + 11 + 1) - 1 \times 1}{1 \times 1} = \frac{(22222 + 22222 + 22222) \times (22 + 22 + 2) - 2 \times 2}{2 \times 2} = \frac{(33333 + 33333 + 33333) \times (33 + 33 + 3) - 3 \times 3}{3 \times 3} \\
 &:= \frac{(44444 + 44444 + 44444) \times (44 + 44 + 4) - 4 \times 4}{4 \times 4} = \frac{(55555 + 55555 + 55555) \times (55 + 55 + 5) - 5 \times 5}{5 \times 5} = \frac{(66666 + 66666 + 66666) \times (66 + 66 + 6) - 6 \times 6}{6 \times 6} \\
 &:= \frac{(77777 + 77777 + 77777) \times (77 + 77 + 7) - 7 \times 7}{7 \times 7} = \frac{(88888 + 88888 + 88888) \times (88 + 88 + 8) - 8 \times 8}{8 \times 8} = \frac{(99999 + 99999 + 99999) \times (99 + 99 + 9) - 9 \times 9}{9 \times 9}
 \end{aligned}$$

►

$$\begin{aligned}
 \textcolor{red}{759} &:= \frac{(11 + 11 + 11) \times (11 + 11 + 1)}{1 \times 1} = \frac{(22 + 22 + 22) \times (22 + 22 + 2)}{2 \times 2} = \frac{(33 + 33 + 33) \times (33 + 33 + 3)}{3 \times 3} \\
 &:= \frac{(44 + 44 + 44) \times (44 + 44 + 4)}{4 \times 4} = \frac{(55 + 55 + 55) \times (55 + 55 + 5)}{5 \times 5} = \frac{(66 + 66 + 66) \times (66 + 66 + 6)}{6 \times 6} \\
 &:= \frac{(77 + 77 + 77) \times (77 + 77 + 7)}{7 \times 7} = \frac{(88 + 88 + 88) \times (88 + 88 + 8)}{8 \times 8} = \frac{(99 + 99 + 99) \times (99 + 99 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{7659} &:= \frac{(111 + 111 + 111) \times (11 + 11 + 1)}{1 \times 1} = \frac{(222 + 222 + 222) \times (22 + 22 + 2)}{2 \times 2} = \frac{(333 + 333 + 333) \times (33 + 33 + 3)}{3 \times 3} \\
 &:= \frac{(444 + 444 + 444) \times (44 + 44 + 4)}{4 \times 4} = \frac{(555 + 555 + 555) \times (55 + 55 + 5)}{5 \times 5} = \frac{(666 + 666 + 666) \times (66 + 66 + 6)}{6 \times 6} \\
 &:= \frac{(777 + 777 + 777) \times (77 + 77 + 7)}{7 \times 7} = \frac{(888 + 888 + 888) \times (88 + 88 + 8)}{8 \times 8} = \frac{(999 + 999 + 999) \times (99 + 99 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{76659} &:= \frac{(1111 + 1111 + 1111) \times (11 + 11 + 1)}{1 \times 1} = \frac{(2222 + 2222 + 2222) \times (22 + 22 + 2)}{2 \times 2} = \frac{(3333 + 3333 + 3333) \times (33 + 33 + 3)}{3 \times 3} \\
 &:= \frac{(4444 + 4444 + 4444) \times (44 + 44 + 4)}{4 \times 4} = \frac{(5555 + 5555 + 5555) \times (55 + 55 + 5)}{5 \times 5} = \frac{(6666 + 6666 + 6666) \times (66 + 66 + 6)}{6 \times 6} \\
 &:= \frac{(7777 + 7777 + 7777) \times (77 + 77 + 7)}{7 \times 7} = \frac{(8888 + 8888 + 8888) \times (88 + 88 + 8)}{8 \times 8} = \frac{(9999 + 9999 + 9999) \times (99 + 99 + 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{766659} &:= \frac{(11111 + 11111 + 11111) \times (11 + 11 + 1)}{1 \times 1} = \frac{(22222 + 22222 + 22222) \times (22 + 22 + 2)}{2 \times 2} = \frac{(33333 + 33333 + 33333) \times (33 + 33 + 3)}{3 \times 3} \\
 &:= \frac{(44444 + 44444 + 44444) \times (44 + 44 + 4)}{4 \times 4} = \frac{(55555 + 55555 + 55555) \times (55 + 55 + 5)}{5 \times 5} = \frac{(66666 + 66666 + 66666) \times (66 + 66 + 6)}{6 \times 6} \\
 &:= \frac{(77777 + 77777 + 77777) \times (77 + 77 + 7)}{7 \times 7} = \frac{(88888 + 88888 + 88888) \times (88 + 88 + 8)}{8 \times 8} = \frac{(99999 + 99999 + 99999) \times (99 + 99 + 9)}{9 \times 9}
 \end{aligned}$$

►

$$\begin{aligned}
 \textcolor{red}{760} &:= \frac{(11 + 11 + 11) \times (11 + 11 + 1) + 1 \times 1}{1 \times 1} = \frac{(22 + 22 + 22) \times (22 + 22 + 2) + 2 \times 2}{2 \times 2} = \frac{(33 + 33 + 33) \times (33 + 33 + 3) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(44 + 44 + 44) \times (44 + 44 + 4) + 4 \times 4}{4 \times 4} = \frac{(55 + 55 + 55) \times (55 + 55 + 5) + 5 \times 5}{5 \times 5} = \frac{(66 + 66 + 66) \times (66 + 66 + 6) + 6 \times 6}{6 \times 6} \\
 &:= \frac{(77 + 77 + 77) \times (77 + 77 + 7) + 7 \times 7}{7 \times 7} = \frac{(88 + 88 + 88) \times (88 + 88 + 8) + 8 \times 8}{8 \times 8} = \frac{(99 + 99 + 99) \times (99 + 99 + 9) + 9 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{7660} &:= \frac{(111 + 111 + 111) \times (11 + 11 + 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 222 + 222) \times (22 + 22 + 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 333 + 333) \times (33 + 33 + 3) + 3 \times 3}{3 \times 3} \\
 &:= \frac{(444 + 444 + 444) \times (44 + 44 + 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 555 + 555) \times (55 + 55 + 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 666 + 666) \times (66 + 66 + 6) + 6 \times 6}{6 \times 6}
 \end{aligned}$$

$$:= \frac{(777+777+777) \times (77+77+7) + 7 \times 7}{7 \times 7} = \frac{(888+888+888) \times (88+88+8) + 8 \times 8}{8 \times 8} = \frac{(999+999+999) \times (99+99+9) + 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{76660} &:= \frac{(1111+1111+1111) \times (11+11+1) + 1 \times 1}{1 \times 1} = \frac{(2222+2222+2222) \times (22+22+2) + 2 \times 2}{2 \times 2} = \frac{(3333+3333+3333) \times (33+33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444+4444+4444) \times (44+44+4) + 4 \times 4}{4 \times 4} = \frac{(5555+5555+5555) \times (55+55+5) + 5 \times 5}{5 \times 5} = \frac{(6666+6666+6666) \times (66+66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777+7777+7777) \times (77+77+7) + 7 \times 7}{7 \times 7} = \frac{(8888+8888+8888) \times (88+88+8) + 8 \times 8}{8 \times 8} = \frac{(9999+9999+9999) \times (99+99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{766660} &:= \frac{(11111+11111+11111) \times (11+11+1) + 1 \times 1}{1 \times 1} = \frac{(22222+22222+22222) \times (22+22+2) + 2 \times 2}{2 \times 2} = \frac{(33333+33333+33333) \times (33+33+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444+44444+44444) \times (44+44+4) + 4 \times 4}{4 \times 4} = \frac{(55555+55555+55555) \times (55+55+5) + 5 \times 5}{5 \times 5} = \frac{(66666+66666+66666) \times (66+66+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777+77777+77777) \times (77+77+7) + 7 \times 7}{7 \times 7} = \frac{(88888+88888+88888) \times (88+88+8) + 8 \times 8}{8 \times 8} = \frac{(99999+99999+99999) \times (99+99+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{761} &:= \frac{(11+11+11) \times (11+11+1) + 1 \times (1+1)}{1 \times 1} = \frac{(22+22+22) \times (22+22+2) + 2 \times (2+2)}{2 \times 2} = \frac{(33+33+33) \times (33+33+3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44+44+44) \times (44+44+4) + 4 \times (4+4)}{4 \times 4} = \frac{(55+55+55) \times (55+55+5) + 5 \times (5+5)}{5 \times 5} = \frac{(66+66+66) \times (66+66+6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77+77+77) \times (77+77+7) + 7 \times (7+7)}{7 \times 7} = \frac{(88+88+88) \times (88+88+8) + 8 \times (8+8)}{8 \times 8} = \frac{(99+99+99) \times (99+99+9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7661} &:= \frac{(111+111+111) \times (11+11+1) + 1 \times (1+1)}{1 \times 1} = \frac{(222+222+222) \times (22+22+2) + 2 \times (2+2)}{2 \times 2} = \frac{(333+333+333) \times (33+33+3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(444+444+444) \times (44+44+4) + 4 \times (4+4)}{4 \times 4} = \frac{(555+555+555) \times (55+55+5) + 5 \times (5+5)}{5 \times 5} = \frac{(666+666+666) \times (66+66+6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777+777+777) \times (77+77+7) + 7 \times (7+7)}{7 \times 7} = \frac{(888+888+888) \times (88+88+8) + 8 \times (8+8)}{8 \times 8} = \frac{(999+999+999) \times (99+99+9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{76661} &:= \frac{(1111+1111+1111) \times (11+11+1) + 1 \times (1+1)}{1 \times 1} = \frac{(2222+2222+2222) \times (22+22+2) + 2 \times (2+2)}{2 \times 2} = \frac{(3333+3333+3333) \times (33+33+3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(4444+4444+4444) \times (44+44+4) + 4 \times (4+4)}{4 \times 4} = \frac{(5555+5555+5555) \times (55+55+5) + 5 \times (5+5)}{5 \times 5} = \frac{(6666+6666+6666) \times (66+66+6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(7777+7777+7777) \times (77+77+7) + 7 \times (7+7)}{7 \times 7} = \frac{(8888+8888+8888) \times (88+88+8) + 8 \times (8+8)}{8 \times 8} = \frac{(9999+9999+9999) \times (99+99+9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{766661} &:= \frac{(11111+11111+11111) \times (11+11+1) + 1 \times (1+1)}{1 \times 1} = \frac{(22222+22222+22222) \times (22+22+2) + 2 \times (2+2)}{2 \times 2} = \frac{(33333+33333+33333) \times (33+33+3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44444+44444+44444) \times (44+44+4) + 4 \times (4+4)}{4 \times 4} = \frac{(55555+55555+55555) \times (55+55+5) + 5 \times (5+5)}{5 \times 5} = \frac{(66666+66666+66666) \times (66+66+6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77777+77777+77777) \times (77+77+7) + 7 \times (7+7)}{7 \times 7} = \frac{(88888+88888+88888) \times (88+88+8) + 8 \times (8+8)}{8 \times 8} = \frac{(99999+99999+99999) \times (99+99+9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{762} &:= \frac{(111-1-1) \times (11-1-1-1-1) - 1 \times 1}{1 \times 1} = \frac{(222-2-2) \times (22-2-2-2-2) - 2 \times 2}{2 \times 2} = \frac{(333-3-3) \times (33-3-3-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444-4-4) \times (44-4-4-4-4) - 4 \times 4}{4 \times 4} = \frac{(555-5-5) \times (55-5-5-5-5) - 5 \times 5}{5 \times 5} = \frac{(666-6-6) \times (66-6-6-6-6) - 6 \times 6}{6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(777-7-7) \times (77-7-7-7-7) - 7 \times 7}{7 \times 7} = \frac{(888-8-8) \times (88-8-8-8-8) - 8 \times 8}{8 \times 8} = \frac{(999-9-9) \times (99-9-9-9-9) - 9 \times 9}{9 \times 9} \\ 7762 &:= \frac{(1111-1-1) \times (11-1-1-1-1) - 1 \times 1}{1 \times 1} = \frac{(2222-2-2) \times (22-2-2-2-2) - 2 \times 2}{2 \times 2} = \frac{(3333-3-3) \times (33-3-3-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4-4) \times (44-4-4-4-4) - 4 \times 4}{4 \times 4} = \frac{(5555-5-5) \times (55-5-5-5-5) - 5 \times 5}{5 \times 5} = \frac{(6666-6-6) \times (66-6-6-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7-7) \times (77-7-7-7-7) - 7 \times 7}{7 \times 7} = \frac{(8888-8-8) \times (88-8-8-8-8) - 8 \times 8}{8 \times 8} = \frac{(9999-9-9) \times (99-9-9-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 77762 &:= \frac{(11111-1-1) \times (11-1-1-1-1) - 1 \times 1}{1 \times 1} = \frac{(22222-2-2) \times (22-2-2-2-2) - 2 \times 2}{2 \times 2} = \frac{(33333-3-3) \times (33-3-3-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4-4) \times (44-4-4-4-4) - 4 \times 4}{4 \times 4} = \frac{(55555-5-5) \times (55-5-5-5-5) - 5 \times 5}{5 \times 5} = \frac{(66666-6-6) \times (66-6-6-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (77-7-7-7-7) - 7 \times 7}{7 \times 7} = \frac{(88888-8-8) \times (88-8-8-8-8) - 8 \times 8}{8 \times 8} = \frac{(99999-9-9) \times (99-9-9-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 777762 &:= \frac{(111111-1-1) \times (11-1-1-1-1) - 1 \times 1}{1 \times 1} = \frac{(222222-2-2) \times (22-2-2-2-2) - 2 \times 2}{2 \times 2} = \frac{(333333-3-3) \times (33-3-3-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4-4) \times (44-4-4-4-4) - 4 \times 4}{4 \times 4} = \frac{(555555-5-5) \times (55-5-5-5-5) - 5 \times 5}{5 \times 5} = \frac{(666666-6-6) \times (66-6-6-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (77-7-7-7-7) - 7 \times 7}{7 \times 7} = \frac{(888888-8-8) \times (88-8-8-8-8) - 8 \times 8}{8 \times 8} = \frac{(999999-9-9) \times (99-9-9-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} 763 &:= \frac{(111-1-1) \times (11+1+1+1)}{(1+1) \times 1} = \frac{(222-2-2) \times (22+2+2+2)}{(2+2) \times 2} = \frac{(333-3-3) \times (33+3+3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4-4) \times (44+4+4+4)}{(4+4) \times 4} = \frac{(555-5-5) \times (55+5+5+5)}{(5+5) \times 5} = \frac{(666-6-6) \times (66+6+6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7-7) \times (77+7+7+7)}{(7+7) \times 7} = \frac{(888-8-8) \times (88+8+8+8)}{(8+8) \times 8} = \frac{(999-9-9) \times (99+9+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 7763 &:= \frac{(1111-1-1) \times (11+1+1+1)}{(1+1) \times 1} = \frac{(2222-2-2) \times (22+2+2+2)}{(2+2) \times 2} = \frac{(3333-3-3) \times (33+3+3+3)}{(3+3) \times 3} \\ &:= \frac{(4444-4-4) \times (44+4+4+4)}{(4+4) \times 4} = \frac{(5555-5-5) \times (55+5+5+5)}{(5+5) \times 5} = \frac{(6666-6-6) \times (66+6+6+6)}{(6+6) \times 6} \\ &:= \frac{(7777-7-7) \times (77+7+7+7)}{(7+7) \times 7} = \frac{(8888-8-8) \times (88+8+8+8)}{(8+8) \times 8} = \frac{(9999-9-9) \times (99+9+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 77763 &:= \frac{(11111-1-1) \times (11+1+1+1)}{(1+1) \times 1} = \frac{(22222-2-2) \times (22+2+2+2)}{(2+2) \times 2} = \frac{(33333-3-3) \times (33+3+3+3)}{(3+3) \times 3} \\ &:= \frac{(44444-4-4) \times (44+4+4+4)}{(4+4) \times 4} = \frac{(55555-5-5) \times (55+5+5+5)}{(5+5) \times 5} = \frac{(66666-6-6) \times (66+6+6+6)}{(6+6) \times 6} \\ &:= \frac{(77777-7-7) \times (77+7+7+7)}{(7+7) \times 7} = \frac{(88888-8-8) \times (88+8+8+8)}{(8+8) \times 8} = \frac{(99999-9-9) \times (99+9+9+9)}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 777763 &:= \frac{(111111-1-1) \times (11+1+1+1)}{(1+1) \times 1} = \frac{(222222-2-2) \times (22+2+2+2)}{(2+2) \times 2} = \frac{(333333-3-3) \times (33+3+3+3)}{(3+3) \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(444444 - 4 - 4) \times (44 + 4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555555 - 5 - 5) \times (55 + 5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666666 - 6 - 6) \times (66 + 6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 - 7 - 7) \times (77 + 7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888888 - 8 - 8) \times (88 + 8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999999 - 9 - 9) \times (99 + 9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► **764** := $\frac{(111 - 1 - 1) \times (11 - 1 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 2 - 2) \times (22 - 2 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 3 - 3) \times (33 - 3 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 - 4 - 4) \times (44 - 4 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 5 - 5) \times (55 - 5 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 6 - 6) \times (66 - 6 - 6 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 7 - 7) \times (77 - 7 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 8 - 8) \times (88 - 8 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 9 - 9) \times (99 - 9 - 9 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

7764 := $\frac{(1111 - 1 - 1) \times (11 - 1 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 2 - 2) \times (22 - 2 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 3 - 3) \times (33 - 3 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444 - 4 - 4) \times (44 - 4 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 5 - 5) \times (55 - 5 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 6 - 6) \times (66 - 6 - 6 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 7 - 7) \times (77 - 7 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(8888 - 8 - 8) \times (88 - 8 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(9999 - 9 - 9) \times (99 - 9 - 9 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

77764 := $\frac{(11111 - 1 - 1) \times (11 - 1 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(22222 - 2 - 2) \times (22 - 2 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(33333 - 3 - 3) \times (33 - 3 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44444 - 4 - 4) \times (44 - 4 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(55555 - 5 - 5) \times (55 - 5 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(66666 - 6 - 6) \times (66 - 6 - 6 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7 - 7) \times (77 - 7 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(88888 - 8 - 8) \times (88 - 8 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(99999 - 9 - 9) \times (99 - 9 - 9 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

777764 := $\frac{(111111 - 1 - 1) \times (11 - 1 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222222 - 2 - 2) \times (22 - 2 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333333 - 3 - 3) \times (33 - 3 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444444 - 4 - 4) \times (44 - 4 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555555 - 5 - 5) \times (55 - 5 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666666 - 6 - 6) \times (66 - 6 - 6 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 7 - 7) \times (77 - 7 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888888 - 8 - 8) \times (88 - 8 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999999 - 9 - 9) \times (99 - 9 - 9 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► **765** := $\frac{(11 - 1 - 1 - 1 - 1) \times 111 - (11 + 1) \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times 222 - (22 + 2) \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times 333 - (33 + 3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 - 4 - 4 - 4 - 4) \times 444 - (44 + 4) \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times 555 - (55 + 5) \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times 666 - (66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times 777 - (77 + 7) \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times 888 - (88 + 8) \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times 999 - (99 + 9) \times 9}{9 \times 9} \end{aligned}$$

7765 := $\frac{(11 - 1 - 1 - 1 - 1) \times 1111 - (11 + 1) \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times 2222 - (22 + 2) \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times 3333 - (33 + 3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 - 4 - 4 - 4 - 4) \times 4444 - (44 + 4) \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times 5555 - (55 + 5) \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times 6666 - (66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times 7777 - (77 + 7) \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times 8888 - (88 + 8) \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times 9999 - (99 + 9) \times 9}{9 \times 9} \end{aligned}$$

77765

$$\begin{aligned}
&:= \frac{(11-1-1-1-1) \times 11111 - (11+1) \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times 22222 - (22+2) \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times 33333 - (33+3) \times 3}{3 \times 3} \\
&:= \frac{(44-4-4-4-4) \times 44444 - (44+4) \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times 55555 - (55+5) \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times 66666 - (66+6) \times 6}{6 \times 6} \\
&:= \frac{(77-7-7-7-7) \times 77777 - (77+7) \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times 88888 - (88+8) \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times 99999 - (99+9) \times 9}{9 \times 9}
\end{aligned}$$

777765

$$\begin{aligned}
&:= \frac{(11-1-1-1-1) \times 111111 - (11+1) \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times 222222 - (22+2) \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times 333333 - (33+3) \times 3}{3 \times 3} \\
&:= \frac{(44-4-4-4-4) \times 444444 - (44+4) \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times 555555 - (55+5) \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times 666666 - (66+6) \times 6}{6 \times 6} \\
&:= \frac{(77-7-7-7-7) \times 777777 - (77+7) \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times 888888 - (88+8) \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times 999999 - (99+9) \times 9}{9 \times 9}
\end{aligned}$$

766

$$\begin{aligned}
&:= \frac{1111-111-111-111-11-1}{1} = \frac{2222-222-222-222-22-2}{2} = \frac{3333-333-333-333-33-3}{3} \\
&:= \frac{4444-444-444-444-44-4}{4} = \frac{5555-555-555-555-55-5}{5} = \frac{6666-666-666-666-66-6}{6} \\
&:= \frac{7777-777-777-777-77-7}{7} = \frac{8888-888-888-888-88-8}{8} = \frac{9999-999-999-999-99-9}{9}
\end{aligned}$$

9766

$$\begin{aligned}
&:= \frac{11111-1111-111-111-11-1}{1} = \frac{22222-2222-222-222-22-2}{2} = \frac{33333-3333-333-333-33-3}{3} \\
&:= \frac{44444-4444-444-444-44-4}{4} = \frac{55555-5555-555-555-55-5}{5} = \frac{66666-6666-666-666-66-6}{6} \\
&:= \frac{77777-7777-777-777-77-7}{7} = \frac{88888-8888-888-888-88-8}{8} = \frac{99999-9999-999-999-99-9}{9}
\end{aligned}$$

99766

$$\begin{aligned}
&:= \frac{111111-11111-111-111-11-1}{1} = \frac{222222-22222-222-222-22-2}{2} = \frac{333333-33333-333-333-33-3}{3} \\
&:= \frac{444444-44444-444-444-44-4}{4} = \frac{555555-55555-555-555-55-5}{5} = \frac{666666-66666-666-666-66-6}{6} \\
&:= \frac{777777-77777-777-777-77-7}{7} = \frac{888888-88888-888-888-88-8}{8} = \frac{999999-99999-999-999-99-9}{9}
\end{aligned}$$

999766

$$\begin{aligned}
&:= \frac{1111111-111111-111-111-11-1}{1} = \frac{2222222-222222-222-222-22-2}{2} = \frac{3333333-333333-333-333-33-3}{3} \\
&:= \frac{4444444-444444-444-444-44-4}{4} = \frac{5555555-555555-555-555-55-5}{5} = \frac{6666666-666666-666-666-66-6}{6} \\
&:= \frac{7777777-777777-777-777-77-7}{7} = \frac{8888888-888888-888-888-88-8}{8} = \frac{9999999-999999-999-999-99-9}{9}
\end{aligned}$$

767

$$\begin{aligned}
&:= \frac{(11-1-1-1) \times 111 - 11 \times 11}{1 \times 1} = \frac{(22-2-2-2) \times 222 - 22 \times 22}{2 \times 2} = \frac{(33-3-3-3) \times 333 - 33 \times 33}{3 \times 3} \\
&:= \frac{(44-4-4-4) \times 444 - 44 \times 44}{4 \times 4} = \frac{(55-5-5-5) \times 555 - 55 \times 55}{5 \times 5} = \frac{(66-6-6-6) \times 666 - 66 \times 66}{6 \times 6}
\end{aligned}$$

$$:= \frac{(77-7-7-7) \times 777 - 77 \times 77}{7 \times 7} = \frac{(88-8-8-8) \times 888 - 88 \times 88}{8 \times 8} = \frac{(99-9-9-9) \times 999 - 99 \times 99}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{7667} &:= \frac{(11-1-1-1) \times 1111 - 111 \times 11}{1 \times 1} = \frac{(22-2-2-2) \times 2222 - 222 \times 22}{2 \times 2} = \frac{(33-3-3-3) \times 3333 - 333 \times 33}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444 - 444 \times 44}{4 \times 4} = \frac{(55-5-5-5) \times 5555 - 555 \times 55}{5 \times 5} = \frac{(66-6-6-6) \times 6666 - 666 \times 66}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777 - 777 \times 77}{7 \times 7} = \frac{(88-8-8-8) \times 8888 - 888 \times 88}{8 \times 8} = \frac{(99-9-9-9) \times 9999 - 999 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{76667} &:= \frac{(11-1-1-1) \times 11111 - 1111 \times 11}{1 \times 1} = \frac{(22-2-2-2) \times 22222 - 2222 \times 22}{2 \times 2} = \frac{(33-3-3-3) \times 33333 - 3333 \times 33}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times 44444 - 4444 \times 44}{4 \times 4} = \frac{(55-5-5-5) \times 55555 - 5555 \times 55}{5 \times 5} = \frac{(66-6-6-6) \times 66666 - 6666 \times 66}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times 77777 - 7777 \times 77}{7 \times 7} = \frac{(88-8-8-8) \times 88888 - 8888 \times 88}{8 \times 8} = \frac{(99-9-9-9) \times 99999 - 9999 \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{766667} &:= \frac{(11-1-1-1) \times 111111 - 11111 \times 11}{1 \times 1} = \frac{(22-2-2-2) \times 222222 - 22222 \times 22}{2 \times 2} = \frac{(33-3-3-3) \times 333333 - 33333 \times 33}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times 444444 - 44444 \times 44}{4 \times 4} = \frac{(55-5-5-5) \times 555555 - 55555 \times 55}{5 \times 5} = \frac{(66-6-6-6) \times 666666 - 66666 \times 66}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times 777777 - 77777 \times 77}{7 \times 7} = \frac{(88-8-8-8) \times 888888 - 88888 \times 88}{8 \times 8} = \frac{(99-9-9-9) \times 999999 - 99999 \times 99}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{768} &:= \frac{1111-111-111-111-11+1}{1} = \frac{2222-222-222-222-22+2}{2} = \frac{3333-333-333-333-33+3}{3} \\ &:= \frac{4444-444-444-444-44+4}{4} = \frac{5555-555-555-555-55+5}{5} = \frac{6666-666-666-666-66+6}{6} \\ &:= \frac{7777-777-777-777-77+7}{7} = \frac{8888-888-888-888-88+8}{8} = \frac{9999-999-999-999-99+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9768} &:= \frac{11111-1111-111-111-11+1}{1} = \frac{22222-2222-222-222-22+2}{2} = \frac{33333-3333-333-333-33+3}{3} \\ &:= \frac{44444-4444-444-444-44+4}{4} = \frac{55555-5555-555-555-55+5}{5} = \frac{66666-6666-666-666-66+6}{6} \\ &:= \frac{77777-7777-777-777-77+7}{7} = \frac{88888-8888-888-888-88+8}{8} = \frac{99999-9999-999-999-99+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99768} &:= \frac{111111-11111-111-111-11+1}{1} = \frac{222222-22222-222-222-22+2}{2} = \frac{333333-33333-333-333-33+3}{3} \\ &:= \frac{444444-44444-444-444-44+4}{4} = \frac{555555-55555-555-555-55+5}{5} = \frac{666666-66666-666-666-66+6}{6} \\ &:= \frac{777777-77777-777-777-77+7}{7} = \frac{888888-88888-888-888-88+8}{8} = \frac{999999-99999-999-999-99+9}{9} \end{aligned}$$

$$\textcolor{red}{999768} := \frac{1111111-111111-111-111-11+1}{1} = \frac{2222222-222222-222-222-22+2}{2} = \frac{3333333-333333-333-333-33+3}{3}$$

$$\begin{aligned} &:= \frac{4444444 - 444444 - 444 - 444 - 44 + 4}{4} = \frac{5555555 - 555555 - 555 - 555 - 55 + 5}{5} = \frac{6666666 - 666666 - 666 - 666 - 66 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 777 - 77 + 7}{7} = \frac{8888888 - 888888 - 888 - 888 - 88 + 8}{8} = \frac{9999999 - 999999 - 999 - 999 - 99 + 9}{9} \end{aligned}$$

► **769** := $\frac{(11 - 1 - 1 - 1 - 1) \times (111 - 1) - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (222 - 2) - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (333 - 3) - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 - 4 - 4 - 4 - 4) \times (444 - 4) - 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (555 - 5) - 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (666 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times (777 - 7) - 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (888 - 8) - 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (999 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

7769 := $\frac{(11 - 1 - 1 - 1 - 1) \times (1111 - 1) - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (2222 - 2) - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (3333 - 3) - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 - 4 - 4 - 4 - 4) \times (4444 - 4) - 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (5555 - 5) - 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (6666 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times (7777 - 7) - 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (8888 - 8) - 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (9999 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

77769 := $\frac{(11 - 1 - 1 - 1 - 1) \times (11111 - 1) - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (22222 - 2) - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (33333 - 3) - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 - 4 - 4 - 4 - 4) \times (44444 - 4) - 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (55555 - 5) - 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (66666 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times (77777 - 7) - 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (88888 - 8) - 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (99999 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

777769 := $\frac{(11 - 1 - 1 - 1 - 1) \times (111111 - 1) - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (222222 - 2) - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (333333 - 3) - 3 \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(44 - 4 - 4 - 4 - 4) \times (444444 - 4) - 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (555555 - 5) - 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (666666 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times (777777 - 7) - 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (888888 - 8) - 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (999999 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► **770** := $\frac{(11 + 11 - 1) \times (111 - 1)}{(1 + 1 + 1) \times 1} = \frac{(22 + 22 - 2) \times (222 - 2)}{(2 + 2 + 2) \times 2} = \frac{(33 + 33 - 3) \times (333 - 3)}{(3 + 3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 - 4) \times (444 - 4)}{(4 + 4 + 4) \times 4} = \frac{(55 + 55 - 5) \times (555 - 5)}{(5 + 5 + 5) \times 5} = \frac{(66 + 66 - 6) \times (666 - 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77 + 77 - 7) \times (777 - 7)}{(7 + 7 + 7) \times 7} = \frac{(88 + 88 - 8) \times (888 - 8)}{(8 + 8 + 8) \times 8} = \frac{(99 + 99 - 9) \times (999 - 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

7770 := $\frac{(11 + 11 - 1) \times (1111 - 1)}{(1 + 1 + 1) \times 1} = \frac{(22 + 22 - 2) \times (2222 - 2)}{(2 + 2 + 2) \times 2} = \frac{(33 + 33 - 3) \times (3333 - 3)}{(3 + 3 + 3) \times 3}$

$$\begin{aligned} &:= \frac{(44 + 44 - 4) \times (4444 - 4)}{(4 + 4 + 4) \times 4} = \frac{(55 + 55 - 5) \times (5555 - 5)}{(5 + 5 + 5) \times 5} = \frac{(66 + 66 - 6) \times (6666 - 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77 + 77 - 7) \times (7777 - 7)}{(7 + 7 + 7) \times 7} = \frac{(88 + 88 - 8) \times (8888 - 8)}{(8 + 8 + 8) \times 8} = \frac{(99 + 99 - 9) \times (9999 - 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{77770} &:= \frac{(11+11-1) \times (11111-1)}{(1+1+1) \times 1} = \frac{(22+22-2) \times (22222-2)}{(2+2+2) \times 2} = \frac{(33+33-3) \times (33333-3)}{(3+3+3) \times 3} \\ &:= \frac{(44+44-4) \times (44444-4)}{(4+4+4) \times 4} = \frac{(55+55-5) \times (55555-5)}{(5+5+5) \times 5} = \frac{(66+66-6) \times (66666-6)}{(6+6+6) \times 6} \\ &:= \frac{(77+77-7) \times (77777-7)}{(7+7+7) \times 7} = \frac{(88+88-8) \times (88888-8)}{(8+8+8) \times 8} = \frac{(99+99-9) \times (99999-9)}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{777770} &:= \frac{(11+11-1) \times (111111-1)}{(1+1+1) \times 1} = \frac{(22+22-2) \times (222222-2)}{(2+2+2) \times 2} = \frac{(33+33-3) \times (333333-3)}{(3+3+3) \times 3} \\ &:= \frac{(44+44-4) \times (444444-4)}{(4+4+4) \times 4} = \frac{(55+55-5) \times (555555-5)}{(5+5+5) \times 5} = \frac{(66+66-6) \times (666666-6)}{(6+6+6) \times 6} \\ &:= \frac{(77+77-7) \times (777777-7)}{(7+7+7) \times 7} = \frac{(88+88-8) \times (888888-8)}{(8+8+8) \times 8} = \frac{(99+99-9) \times (999999-9)}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{771} &:= \frac{(11-1-1-1-1) \times (111-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{7771} &:= \frac{(11-1-1-1-1) \times (1111-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (2222-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (3333-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (4444-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (5555-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (6666-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (7777-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (8888-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (9999-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{77771} &:= \frac{(11-1-1-1-1) \times (11111-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (22222-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (33333-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (44444-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (55555-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (66666-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (77777-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (88888-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (99999-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{777771} &:= \frac{(11-1-1-1-1) \times (111111-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222222-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333333-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444444-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555555-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666666-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777777-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888888-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999999-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{772} := \frac{(11-1-1-1-1) \times (111-1) + (1+1) \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222-2) + (2+2) \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333-3) + (3+3) \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44-4-4-4-4) \times (444-4) + (4+4) \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555-5) + (5+5) \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666-6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777-7) + (7+7) \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888-8) + (8+8) \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999-9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7772} &:= \frac{(11-1-1-1-1) \times (1111-1) + (1+1) \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (2222-2) + (2+2) \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (3333-3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (4444-4) + (4+4) \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (5555-5) + (5+5) \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (6666-6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (7777-7) + (7+7) \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (8888-8) + (8+8) \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (9999-9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{77772} &:= \frac{(11-1-1-1-1) \times (11111-1) + (1+1) \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (22222-2) + (2+2) \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (33333-3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (44444-4) + (4+4) \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (55555-5) + (5+5) \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (66666-6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (77777-7) + (7+7) \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (88888-8) + (8+8) \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (99999-9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{777772} &:= \frac{(11-1-1-1-1) \times (111111-1) + (1+1) \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222222-2) + (2+2) \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333333-3) + (3+3) \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444444-4) + (4+4) \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555555-5) + (5+5) \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666666-6) + (6+6) \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777777-7) + (7+7) \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888888-8) + (8+8) \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999999-9) + (9+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{773} &:= \frac{(11-1-1-1-1) \times (111+1) - 11 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222+2) - 22 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333+3) - 33 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444+4) - 44 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555+5) - 55 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666+6) - 66 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777+7) - 77 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888+8) - 88 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999+9) - 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7773} &:= \frac{(11-1-1-1-1) \times (1111+1) - 11 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (2222+2) - 22 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (3333+3) - 33 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (4444+4) - 44 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (5555+5) - 55 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (6666+6) - 66 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (7777+7) - 77 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (8888+8) - 88 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (9999+9) - 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{77773} &:= \frac{(11-1-1-1-1) \times (11111+1) - 11 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (22222+2) - 22 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (33333+3) - 33 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (44444+4) - 44 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (55555+5) - 55 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (66666+6) - 66 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (77777+7) - 77 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (88888+8) - 88 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (99999+9) - 99 \times 9}{9 \times 9} \end{aligned}$$

777773

$$\begin{aligned} &:= \frac{(11-1-1-1-1) \times (111111+1) - 11 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222222+2) - 22 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333333+3) - 33 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444444+4) - 44 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555555+5) - 55 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666666+6) - 66 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777777+7) - 77 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888888+8) - 88 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999999+9) - 99 \times 9}{9 \times 9} \end{aligned}$$

774

$$\begin{aligned} &:= \frac{1111+1111+111-11}{1+1+1} = \frac{2222+2222+222-22}{2+2+2} = \frac{3333+3333+333-33}{3+3+3} \\ &:= \frac{4444+4444+444-44}{4+4+4} = \frac{5555+5555+555-55}{5+5+5} = \frac{6666+6666+666-66}{6+6+6} \\ &:= \frac{7777+7777+777-77}{7+7+7} = \frac{8888+8888+888-88}{8+8+8} = \frac{9999+9999+999-99}{9+9+9} \end{aligned}$$

7774

$$\begin{aligned} &:= \frac{11111+11111+1111-11}{1+1+1} = \frac{22222+22222+2222-22}{2+2+2} = \frac{33333+33333+3333-33}{3+3+3} \\ &:= \frac{44444+44444+4444-44}{4+4+4} = \frac{55555+55555+5555-55}{5+5+5} = \frac{66666+66666+6666-66}{6+6+6} \\ &:= \frac{77777+77777+7777-77}{7+7+7} = \frac{88888+88888+8888-88}{8+8+8} = \frac{99999+99999+9999-99}{9+9+9} \end{aligned}$$

77774

$$\begin{aligned} &:= \frac{111111+111111+11111-11}{1+1+1} = \frac{222222+222222+22222-22}{2+2+2} = \frac{333333+333333+33333-33}{3+3+3} \\ &:= \frac{444444+444444+44444-44}{4+4+4} = \frac{555555+555555+55555-55}{5+5+5} = \frac{666666+666666+66666-66}{6+6+6} \\ &:= \frac{777777+777777+77777-77}{7+7+7} = \frac{888888+888888+88888-88}{8+8+8} = \frac{999999+999999+99999-99}{9+9+9} \end{aligned}$$

777774

$$\begin{aligned} &:= \frac{1111111+1111111+111111-11}{1+1+1} = \frac{2222222+2222222+222222-22}{2+2+2} = \frac{3333333+3333333+333333-33}{3+3+3} \\ &:= \frac{4444444+4444444+444444-44}{4+4+4} = \frac{5555555+5555555+555555-55}{5+5+5} = \frac{6666666+6666666+666666-66}{6+6+6} \\ &:= \frac{7777777+7777777+777777-77}{7+7+7} = \frac{8888888+8888888+888888-88}{8+8+8} = \frac{9999999+9999999+999999-99}{9+9+9} \end{aligned}$$

775

$$\begin{aligned} &:= \frac{1111-111-111-111-1-1-1}{1} = \frac{2222-222-222-222-2-2-2}{2} = \frac{3333-333-333-333-3-3-3}{3} \\ &:= \frac{4444-444-444-444-4-4-4}{4} = \frac{5555-555-555-555-5-5-5}{5} = \frac{6666-666-666-666-6-6-6}{6} \\ &:= \frac{7777-777-777-777-7-7-7}{7} = \frac{8888-888-888-888-8-8-8}{8} = \frac{9999-999-999-999-9-9-9}{9} \end{aligned}$$

10775

$$\begin{aligned} &:= \frac{11111-111-111-111-1-1-1}{1} = \frac{22222-222-222-222-2-2-2}{2} = \frac{33333-333-333-333-3-3-3}{3} \\ &:= \frac{44444-444-444-444-4-4-4}{4} = \frac{55555-555-555-555-5-5-5}{5} = \frac{66666-666-666-666-6-6-6}{6} \end{aligned}$$

$$\begin{aligned} &:= \frac{77777-777-777-777-7-7-7}{7} = \frac{88888-888-888-888-8-8-8}{8} = \frac{99999-999-999-999-9-9-9}{9} \\ \textcolor{red}{110775} &:= \frac{111111-111-111-111-1-1-1}{1} = \frac{222222-222-222-222-2-2-2}{2} = \frac{333333-333-333-333-3-3-3}{3} \\ &:= \frac{444444-444-444-444-4-4-4}{4} = \frac{555555-555-555-555-5-5-5}{5} = \frac{666666-666-666-666-6-6-6}{6} \\ &:= \frac{777777-777-777-777-7-7-7}{7} = \frac{888888-888-888-888-8-8-8}{8} = \frac{999999-999-999-999-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{1110775} &:= \frac{1111111-111-111-111-1-1-1}{1} = \frac{2222222-222-222-222-2-2-2}{2} = \frac{3333333-333-333-333-3-3-3}{3} \\ &:= \frac{4444444-444-444-444-4-4-4}{4} = \frac{5555555-555-555-555-5-5-5}{5} = \frac{6666666-666-666-666-6-6-6}{6} \\ &:= \frac{7777777-777-777-777-7-7-7}{7} = \frac{8888888-888-888-888-8-8-8}{8} = \frac{9999999-999-999-999-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{776} &:= \frac{(11-1-1-1-1) \times 111-1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times 22-2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times 33-3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 44-4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times 55-5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times 66-6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77-7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times 88-8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times 99-9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7776} &:= \frac{(11-1-1-1-1) \times 1111-1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times 222-2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times 333-3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 444-4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times 55-5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times 66-6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77-7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times 88-8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times 99-9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{77776} &:= \frac{(11-1-1-1-1) \times 11111-1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times 2222-2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times 333-3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 4444-4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times 55-5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times 66-6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77-7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times 88-8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times 99-9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{777776} &:= \frac{(11-1-1-1-1) \times 111111-1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times 22222-2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times 3333-3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 44444-4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times 55-5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times 66-6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77-7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times 88-8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times 99-9 \times 9}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{777} := \frac{(11-1-1-1-1) \times 111}{1 \times 1} = \frac{(22-2-2-2-2) \times 22}{2 \times 2} = \frac{(33-3-3-3-3) \times 33}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44-4-4-4-4) \times 444}{4 \times 4} = \frac{(55-5-5-5-5) \times 555}{5 \times 5} = \frac{(66-6-6-6-6) \times 666}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 777}{7 \times 7} = \frac{(88-8-8-8-8) \times 888}{8 \times 8} = \frac{(99-9-9-9-9) \times 999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7777} &:= \frac{(11-1-1-1-1) \times 1111}{1 \times 1} = \frac{(22-2-2-2-2) \times 2222}{2 \times 2} = \frac{(33-3-3-3-3) \times 3333}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 4444}{4 \times 4} = \frac{(55-5-5-5-5) \times 5555}{5 \times 5} = \frac{(66-6-6-6-6) \times 6666}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 7777}{7 \times 7} = \frac{(88-8-8-8-8) \times 8888}{8 \times 8} = \frac{(99-9-9-9-9) \times 9999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{77777} &:= \frac{(11-1-1-1-1) \times 11111}{1 \times 1} = \frac{(22-2-2-2-2) \times 22222}{2 \times 2} = \frac{(33-3-3-3-3) \times 33333}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 44444}{4 \times 4} = \frac{(55-5-5-5-5) \times 55555}{5 \times 5} = \frac{(66-6-6-6-6) \times 66666}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77777}{7 \times 7} = \frac{(88-8-8-8-8) \times 88888}{8 \times 8} = \frac{(99-9-9-9-9) \times 99999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{777777} &:= \frac{(11-1-1-1-1) \times 111111}{1 \times 1} = \frac{(22-2-2-2-2) \times 222222}{2 \times 2} = \frac{(33-3-3-3-3) \times 333333}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 444444}{4 \times 4} = \frac{(55-5-5-5-5) \times 555555}{5 \times 5} = \frac{(66-6-6-6-6) \times 666666}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 777777}{7 \times 7} = \frac{(88-8-8-8-8) \times 888888}{8 \times 8} = \frac{(99-9-9-9-9) \times 999999}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{778} &:= \frac{1111-111-111-111}{1} = \frac{2222-222-222-222}{2} = \frac{3333-333-333-333}{3} \\ &:= \frac{4444-444-444-444}{4} = \frac{5555-555-555-555}{5} = \frac{6666-666-666-666}{6} \\ &:= \frac{7777-777-777-777}{7} = \frac{8888-888-888-888}{8} = \frac{9999-999-999-999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{10778} &:= \frac{11111-111-111-111}{1} = \frac{22222-222-222-222}{2} = \frac{33333-333-333-333}{3} \\ &:= \frac{44444-444-444-444}{4} = \frac{55555-555-555-555}{5} = \frac{66666-666-666-666}{6} \\ &:= \frac{77777-777-777-777}{7} = \frac{88888-888-888-888}{8} = \frac{99999-999-999-999}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{110778} &:= \frac{111111-111-111-111}{1} = \frac{222222-222-222-222}{2} = \frac{333333-333-333-333}{3} \\ &:= \frac{444444-444-444-444}{4} = \frac{555555-555-555-555}{5} = \frac{666666-666-666-666}{6} \\ &:= \frac{777777-777-777-777}{7} = \frac{888888-888-888-888}{8} = \frac{999999-999-999-999}{9} \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{1110778} &:= \frac{1111111 - 111 - 111 - 111}{1} = \frac{2222222 - 222 - 222 - 222}{2} = \frac{3333333 - 333 - 333 - 333}{3} \\
 &:= \frac{4444444 - 444 - 444 - 444}{4} = \frac{5555555 - 555 - 555 - 555}{5} = \frac{6666666 - 666 - 666 - 666}{6} \\
 &:= \frac{7777777 - 777 - 777 - 777}{7} = \frac{8888888 - 888 - 888 - 888}{8} = \frac{9999999 - 999 - 999 - 999}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{779} &:= \frac{1111 - 111 - 111 - 111 + 1}{1} = \frac{2222 - 222 - 222 - 222 + 2}{2} = \frac{3333 - 333 - 333 - 333 + 3}{3} \\
 &:= \frac{4444 - 444 - 444 - 444 + 4}{4} = \frac{5555 - 555 - 555 - 555 + 5}{5} = \frac{6666 - 666 - 666 - 666 + 6}{6} \\
 &:= \frac{7777 - 777 - 777 - 777 + 7}{7} = \frac{8888 - 888 - 888 - 888 + 8}{8} = \frac{9999 - 999 - 999 - 999 + 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{10779} &:= \frac{11111 - 111 - 111 - 111 + 1}{1} = \frac{22222 - 222 - 222 - 222 + 2}{2} = \frac{33333 - 333 - 333 - 333 + 3}{3} \\
 &:= \frac{44444 - 444 - 444 - 444 + 4}{4} = \frac{55555 - 555 - 555 - 555 + 5}{5} = \frac{66666 - 666 - 666 - 666 + 6}{6} \\
 &:= \frac{77777 - 777 - 777 - 777 + 7}{7} = \frac{88888 - 888 - 888 - 888 + 8}{8} = \frac{99999 - 999 - 999 - 999 + 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{110779} &:= \frac{111111 - 111 - 111 - 111 + 1}{1} = \frac{222222 - 222 - 222 - 222 + 2}{2} = \frac{333333 - 333 - 333 - 333 + 3}{3} \\
 &:= \frac{444444 - 444 - 444 - 444 + 4}{4} = \frac{555555 - 555 - 555 - 555 + 5}{5} = \frac{666666 - 666 - 666 - 666 + 6}{6} \\
 &:= \frac{777777 - 777 - 777 - 777 + 7}{7} = \frac{888888 - 888 - 888 - 888 + 8}{8} = \frac{999999 - 999 - 999 - 999 + 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{1110779} &:= \frac{1111111 - 111 - 111 - 111 + 1}{1} = \frac{2222222 - 222 - 222 - 222 + 2}{2} = \frac{3333333 - 333 - 333 - 333 + 3}{3} \\
 &:= \frac{4444444 - 444 - 444 - 444 + 4}{4} = \frac{5555555 - 555 - 555 - 555 + 5}{5} = \frac{6666666 - 666 - 666 - 666 + 6}{6} \\
 &:= \frac{7777777 - 777 - 777 - 777 + 7}{7} = \frac{8888888 - 888 - 888 - 888 + 8}{8} = \frac{9999999 - 999 - 999 - 999 + 9}{9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{780} &:= \frac{(111 - 11 - 11 - 11) \times (11 - 1)}{1 \times 1} = \frac{(222 - 22 - 22 - 22) \times (22 - 2)}{2 \times 2} = \frac{(333 - 33 - 33 - 33) \times (33 - 3)}{3 \times 3} \\
 &:= \frac{(444 - 44 - 44 - 44) \times (44 - 4)}{4 \times 4} = \frac{(555 - 55 - 55 - 55) \times (55 - 5)}{5 \times 5} = \frac{(666 - 66 - 66 - 66) \times (66 - 6)}{6 \times 6} \\
 &:= \frac{(777 - 77 - 77 - 77) \times (77 - 7)}{7 \times 7} = \frac{(888 - 88 - 88 - 88) \times (88 - 8)}{8 \times 8} = \frac{(999 - 99 - 99 - 99) \times (99 - 9)}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{10780} &:= \frac{(1111 - 11 - 11 - 11) \times (11 - 1)}{1 \times 1} = \frac{(2222 - 22 - 22 - 22) \times (22 - 2)}{2 \times 2} = \frac{(3333 - 33 - 33 - 33) \times (33 - 3)}{3 \times 3} \\
 &:= \frac{(4444 - 44 - 44 - 44) \times (44 - 4)}{4 \times 4} = \frac{(5555 - 55 - 55 - 55) \times (55 - 5)}{5 \times 5} = \frac{(6666 - 66 - 66 - 66) \times (66 - 6)}{6 \times 6}
 \end{aligned}$$

$$:= \frac{(7777-77-77-77) \times (77-7)}{7 \times 7} = \frac{(8888-88-88-88) \times (88-8)}{8 \times 8} = \frac{(9999-99-99-99) \times (99-9)}{9 \times 9}$$

110780

$$:= \frac{(11111-11-11-11) \times (11-1)}{1 \times 1} = \frac{(22222-22-22-22) \times (22-2)}{2 \times 2} = \frac{(33333-33-33-33) \times (33-3)}{3 \times 3}$$

$$:= \frac{(44444-44-44-44) \times (44-4)}{4 \times 4} = \frac{(55555-55-55-55) \times (55-5)}{5 \times 5} = \frac{(66666-66-66-66) \times (66-6)}{6 \times 6}$$

$$:= \frac{(77777-77-77-77) \times (77-7)}{7 \times 7} = \frac{(88888-88-88-88) \times (88-8)}{8 \times 8} = \frac{(99999-99-99-99) \times (99-9)}{9 \times 9}$$

1110780

$$:= \frac{(111111-11-11-11) \times (11-1)}{1 \times 1} = \frac{(222222-22-22-22) \times (22-2)}{2 \times 2} = \frac{(333333-33-33-33) \times (33-3)}{3 \times 3}$$

$$:= \frac{(444444-44-44-44) \times (44-4)}{4 \times 4} = \frac{(555555-55-55-55) \times (55-5)}{5 \times 5} = \frac{(666666-66-66-66) \times (66-6)}{6 \times 6}$$

$$:= \frac{(777777-77-77-77) \times (77-7)}{7 \times 7} = \frac{(888888-88-88-88) \times (88-8)}{8 \times 8} = \frac{(999999-99-99-99) \times (99-9)}{9 \times 9}$$

► 781

$$:= \frac{1111-111-111-111+1+1+1}{1} = \frac{2222-222-222-222+2+2+2}{2} = \frac{3333-333-333-333+3+3+3}{3}$$

$$:= \frac{4444-444-444-444+4+4+4}{4} = \frac{5555-555-555-555+5+5+5}{5} = \frac{6666-666-666-666+6+6+6}{6}$$

$$:= \frac{7777-777-777-777+7+7+7}{7} = \frac{8888-888-888-888+8+8+8}{8} = \frac{9999-999-999-999+9+9+9}{9}$$

10781

$$:= \frac{11111-111-111-111+1+1+1}{1} = \frac{22222-222-222-222+2+2+2}{2} = \frac{33333-333-333-333+3+3+3}{3}$$

$$:= \frac{44444-444-444-444+4+4+4}{4} = \frac{55555-555-555-555+5+5+5}{5} = \frac{66666-666-666-666+6+6+6}{6}$$

$$:= \frac{77777-777-777-777+7+7+7}{7} = \frac{88888-888-888-888+8+8+8}{8} = \frac{99999-999-999-999+9+9+9}{9}$$

110781

$$:= \frac{111111-111-111-111+1+1+1}{1} = \frac{222222-222-222-222+2+2+2}{2} = \frac{333333-333-333-333+3+3+3}{3}$$

$$:= \frac{444444-444-444-444+4+4+4}{4} = \frac{555555-555-555-555+5+5+5}{5} = \frac{666666-666-666-666+6+6+6}{6}$$

$$:= \frac{777777-777-777-777+7+7+7}{7} = \frac{888888-888-888-888+8+8+8}{8} = \frac{999999-999-999-999+9+9+9}{9}$$

1110781

$$:= \frac{1111111-111-111-111+1+1+1}{1} = \frac{2222222-222-222-222+2+2+2}{2} = \frac{3333333-333-333-333+3+3+3}{3}$$

$$:= \frac{4444444-444-444-444+4+4+4}{4} = \frac{5555555-555-555-555+5+5+5}{5} = \frac{6666666-666-666-666+6+6+6}{6}$$

$$:= \frac{7777777-777-777-777+7+7+7}{7} = \frac{8888888-888-888-888+8+8+8}{8} = \frac{9999999-999-999-999+9+9+9}{9}$$

► 782

$$:= \frac{(111+11) \times 11+111 \times (1+1)}{(1+1) \times 1} = \frac{(222+22) \times 22+222 \times (2+2)}{(2+2) \times 2} = \frac{(333+33) \times 33+333 \times (3+3)}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 44) \times 44 + 444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times 55 + 555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times 66 + 666 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times 77 + 777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times 88 + 888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times 99 + 999 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{1782} &:= \frac{(111 + 11) \times 11 + 1111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times 22 + 2222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times 33 + 3333 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times 44 + 4444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times 55 + 5555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times 66 + 6666 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times 77 + 7777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times 88 + 8888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times 99 + 9999 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{11782} &:= \frac{(111 + 11) \times 11 + 11111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times 22 + 22222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times 33 + 33333 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times 44 + 44444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times 55 + 55555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times 66 + 66666 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times 77 + 77777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times 88 + 88888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times 99 + 99999 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{111782} &:= \frac{(111 + 11) \times 11 + 111111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times 22 + 222222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times 33 + 333333 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times 44 + 444444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times 55 + 555555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times 66 + 666666 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times 77 + 777777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times 88 + 888888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times 99 + 999999 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{783} &:= \frac{(11 - 1 - 1 - 1 - 1) \times (111 + 1) - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (222 + 2) - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (333 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4 - 4) \times (444 + 4) - 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (555 + 5) - 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (666 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times (777 + 7) - 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (888 + 8) - 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (999 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{7783} &:= \frac{(11 - 1 - 1 - 1 - 1) \times (1111 + 1) - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (2222 + 2) - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (3333 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4 - 4) \times (4444 + 4) - 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (5555 + 5) - 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (6666 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times (7777 + 7) - 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (8888 + 8) - 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (9999 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{77783} &:= \frac{(11 - 1 - 1 - 1 - 1) \times (11111 + 1) - 1 \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (22222 + 2) - 2 \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (33333 + 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4 - 4) \times (44444 + 4) - 4 \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (55555 + 5) - 5 \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (66666 + 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times (77777 + 7) - 7 \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (88888 + 8) - 8 \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (99999 + 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 777783 &:= \frac{(11-1-1-1-1) \times (111111+1) - 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222222+2) - 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333333+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444444+4) - 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555555+5) - 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666666+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777777+7) - 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888888+8) - 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999999+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 784 &:= \frac{(11-1-1-1-1) \times (111+1)}{1 \times 1} = \frac{(22-2-2-2-2) \times (222+2)}{2 \times 2} = \frac{(33-3-3-3-3) \times (333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444+4)}{4 \times 4} = \frac{(55-5-5-5-5) \times (555+5)}{5 \times 5} = \frac{(66-6-6-6-6) \times (666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777+7)}{7 \times 7} = \frac{(88-8-8-8-8) \times (888+8)}{8 \times 8} = \frac{(99-9-9-9-9) \times (999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 7784 &:= \frac{(11-1-1-1-1) \times (1111+1)}{1 \times 1} = \frac{(22-2-2-2-2) \times (2222+2)}{2 \times 2} = \frac{(33-3-3-3-3) \times (3333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (4444+4)}{4 \times 4} = \frac{(55-5-5-5-5) \times (5555+5)}{5 \times 5} = \frac{(66-6-6-6-6) \times (6666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (7777+7)}{7 \times 7} = \frac{(88-8-8-8-8) \times (8888+8)}{8 \times 8} = \frac{(99-9-9-9-9) \times (9999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 77784 &:= \frac{(11-1-1-1-1) \times (11111+1)}{1 \times 1} = \frac{(22-2-2-2-2) \times (22222+2)}{2 \times 2} = \frac{(33-3-3-3-3) \times (33333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (44444+4)}{4 \times 4} = \frac{(55-5-5-5-5) \times (55555+5)}{5 \times 5} = \frac{(66-6-6-6-6) \times (66666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (77777+7)}{7 \times 7} = \frac{(88-8-8-8-8) \times (88888+8)}{8 \times 8} = \frac{(99-9-9-9-9) \times (99999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 777784 &:= \frac{(11-1-1-1-1) \times (111111+1)}{1 \times 1} = \frac{(22-2-2-2-2) \times (222222+2)}{2 \times 2} = \frac{(33-3-3-3-3) \times (333333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444444+4)}{4 \times 4} = \frac{(55-5-5-5-5) \times (555555+5)}{5 \times 5} = \frac{(66-6-6-6-6) \times (666666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777777+7)}{7 \times 7} = \frac{(88-8-8-8-8) \times (888888+8)}{8 \times 8} = \frac{(99-9-9-9-9) \times (999999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 785 &:= \frac{(11-1-1-1-1) \times (111+1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222+2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (444+4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555+5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666+6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times (777+7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888+8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999+9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} 7785 &:= \frac{(11-1-1-1-1) \times (1111+1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (2222+2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (3333+3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times (4444+4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (5555+5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (6666+6) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(77-7-7-7-7) \times (7777+7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (8888+8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (9999+9) + 9 \times 9}{9 \times 9}$$

77785

$$:= \frac{(11-1-1-1-1) \times (11111+1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (22222+2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (33333+3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(44-4-4-4-4) \times (44444+4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (55555+5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (66666+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77-7-7-7-7) \times (77777+7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (88888+8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (99999+9) + 9 \times 9}{9 \times 9}$$

777785

$$:= \frac{(11-1-1-1-1) \times (111111+1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2-2-2) \times (222222+2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3-3-3) \times (333333+3) + 3 \times 3}{3 \times 3}$$
$$:= \frac{(44-4-4-4-4) \times (444444+4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5-5-5) \times (555555+5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6-6-6) \times (666666+6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77-7-7-7-7) \times (777777+7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8-8-8) \times (888888+8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9-9-9) \times (999999+9) + 9 \times 9}{9 \times 9}$$

► 786

$$:= \frac{1111-111-111-111+11-1-1-1}{1} = \frac{2222-222-222-222+22-2-2-2}{2} = \frac{3333-333-333-333+33-3-3-3}{3}$$
$$:= \frac{4444-444-444-444+44-4-4-4}{4} = \frac{5555-555-555-555+55-5-5-5}{5} = \frac{6666-666-666-666+66-6-6-6}{6}$$
$$:= \frac{7777-777-777-777+77-7-7-7}{7} = \frac{8888-888-888-888+88-8-8-8}{8} = \frac{9999-999-999-999+99-9-9-9}{9}$$

9786

$$:= \frac{11111-1111-111-111+11-1-1-1}{1} = \frac{22222-2222-222-222+22-2-2-2}{2} = \frac{33333-3333-333-333+33-3-3-3}{3}$$
$$:= \frac{44444-4444-444-444+44-4-4-4}{4} = \frac{55555-5555-555-555+55-5-5-5}{5} = \frac{66666-6666-666-666+66-6-6-6}{6}$$
$$:= \frac{77777-7777-777-777+77-7-7-7}{7} = \frac{88888-8888-888-888+88-8-8-8}{8} = \frac{99999-9999-999-999+99-9-9-9}{9}$$

99786

$$:= \frac{111111-11111-111-111+11-1-1-1}{1} = \frac{222222-22222-222-222+22-2-2-2}{2} = \frac{333333-33333-333-333+33-3-3-3}{3}$$
$$:= \frac{444444-44444-444-444+44-4-4-4}{4} = \frac{555555-55555-555-555+55-5-5-5}{5} = \frac{666666-66666-666-666+66-6-6-6}{6}$$
$$:= \frac{777777-77777-777-777+77-7-7-7}{7} = \frac{888888-88888-888-888+88-8-8-8}{8} = \frac{999999-99999-999-999+99-9-9-9}{9}$$

999786

$$:= \frac{1111111-111111-111-111+11-1-1-1}{1} = \frac{2222222-222222-222-222+22-2-2-2}{2} = \frac{3333333-333333-333-333+33-3-3-3}{3}$$
$$:= \frac{4444444-444444-444-444+44-4-4-4}{4} = \frac{5555555-555555-555-555+55-5-5-5}{5} = \frac{6666666-666666-666-666+66-6-6-6}{6}$$
$$:= \frac{7777777-777777-777-777+77-7-7-7}{7} = \frac{8888888-888888-888-888+88-8-8-8}{8} = \frac{9999999-999999-999-999+99-9-9-9}{9}$$

► 787

$$:= \frac{1111-111-111-111+11-1-1}{1} = \frac{2222-222-222-222+22-2-2}{2} = \frac{3333-333-333-333+33-3-3}{3}$$

$$\begin{aligned} &:= \frac{4444 - 444 - 444 - 444 + 44 - 4 - 4}{4} = \frac{5555 - 555 - 555 - 555 + 55 - 5 - 5}{5} = \frac{6666 - 666 - 666 - 666 + 66 - 6 - 6}{6} \\ &:= \frac{7777 - 777 - 777 - 777 + 77 - 7 - 7}{7} = \frac{8888 - 888 - 888 - 888 + 88 - 8 - 8}{8} = \frac{9999 - 999 - 999 - 999 + 99 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9787} &:= \frac{11111 - 1111 - 111 - 111 + 11 - 1 - 1}{1} = \frac{22222 - 2222 - 222 - 222 + 22 - 2 - 2}{2} = \frac{33333 - 3333 - 333 - 333 + 33 - 3 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 444 + 44 - 4 - 4}{4} = \frac{55555 - 5555 - 555 - 555 + 55 - 5 - 5}{5} = \frac{66666 - 6666 - 666 - 666 + 66 - 6 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 777 + 77 - 7 - 7}{7} = \frac{88888 - 8888 - 888 - 888 + 88 - 8 - 8}{8} = \frac{99999 - 9999 - 999 - 999 + 99 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99787} &:= \frac{111111 - 11111 - 111 - 111 + 11 - 1 - 1}{1} = \frac{222222 - 22222 - 222 - 222 + 22 - 2 - 2}{2} = \frac{333333 - 33333 - 333 - 333 + 33 - 3 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 444 + 44 - 4 - 4}{4} = \frac{555555 - 55555 - 555 - 555 + 55 - 5 - 5}{5} = \frac{666666 - 66666 - 666 - 666 + 66 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 777 + 77 - 7 - 7}{7} = \frac{888888 - 88888 - 888 - 888 + 88 - 8 - 8}{8} = \frac{999999 - 99999 - 999 - 999 + 99 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999787} &:= \frac{1111111 - 111111 - 111 - 111 + 11 - 1 - 1}{1} = \frac{2222222 - 222222 - 222 - 222 + 22 - 2 - 2}{2} = \frac{3333333 - 333333 - 333 - 333 + 33 - 3 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 444 + 44 - 4 - 4}{4} = \frac{5555555 - 555555 - 555 - 555 + 55 - 5 - 5}{5} = \frac{6666666 - 666666 - 666 - 666 + 66 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 777 + 77 - 7 - 7}{7} = \frac{8888888 - 888888 - 888 - 888 + 88 - 8 - 8}{8} = \frac{9999999 - 999999 - 999 - 999 + 99 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{788} &:= \frac{1111 - 111 - 111 - 111 + 11 - 1}{1} = \frac{2222 - 222 - 222 - 222 + 22 - 2}{2} = \frac{3333 - 333 - 333 - 333 + 33 - 3}{3} \\ &:= \frac{4444 - 444 - 444 - 444 + 44 - 4}{4} = \frac{5555 - 555 - 555 - 555 + 55 - 5}{5} = \frac{6666 - 666 - 666 - 666 + 66 - 6}{6} \\ &:= \frac{7777 - 777 - 777 - 777 + 77 - 7}{7} = \frac{8888 - 888 - 888 - 888 + 88 - 8}{8} = \frac{9999 - 999 - 999 - 999 + 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9788} &:= \frac{11111 - 1111 - 111 - 111 + 11 - 1}{1} = \frac{22222 - 2222 - 222 - 222 + 22 - 2}{2} = \frac{33333 - 3333 - 333 - 333 + 33 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 444 + 44 - 4}{4} = \frac{55555 - 5555 - 555 - 555 + 55 - 5}{5} = \frac{66666 - 6666 - 666 - 666 + 66 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 777 + 77 - 7}{7} = \frac{88888 - 8888 - 888 - 888 + 88 - 8}{8} = \frac{99999 - 9999 - 999 - 999 + 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99788} &:= \frac{111111 - 11111 - 111 - 111 + 11 - 1}{1} = \frac{222222 - 22222 - 222 - 222 + 22 - 2}{2} = \frac{333333 - 33333 - 333 - 333 + 33 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 444 + 44 - 4}{4} = \frac{555555 - 55555 - 555 - 555 + 55 - 5}{5} = \frac{666666 - 66666 - 666 - 666 + 66 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 777 + 77 - 7}{7} = \frac{888888 - 88888 - 888 - 888 + 88 - 8}{8} = \frac{999999 - 99999 - 999 - 999 + 99 - 9}{9} \end{aligned}$$

999788

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 - 111 + 11 - 1}{1} = \frac{2222222 - 222222 - 222 - 222 + 22 - 2}{2} = \frac{3333333 - 333333 - 333 - 333 + 33 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 444 + 44 - 4}{4} = \frac{5555555 - 555555 - 555 - 555 + 55 - 5}{5} = \frac{6666666 - 666666 - 666 - 666 + 66 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 777 + 77 - 7}{7} = \frac{8888888 - 888888 - 888 - 888 + 88 - 8}{8} = \frac{9999999 - 999999 - 999 - 999 + 99 - 9}{9} \end{aligned}$$

► 789

$$\begin{aligned} &:= \frac{1111 - 111 - 111 - 111 + 11}{1} = \frac{2222 - 222 - 222 - 222 + 22}{2} = \frac{3333 - 333 - 333 - 333 + 33}{3} \\ &:= \frac{4444 - 444 - 444 - 444 + 44}{4} = \frac{5555 - 555 - 555 - 555 + 55}{5} = \frac{6666 - 666 - 666 - 666 + 66}{6} \\ &:= \frac{7777 - 777 - 777 - 777 + 77}{7} = \frac{8888 - 888 - 888 - 888 + 88}{8} = \frac{9999 - 999 - 999 - 999 + 99}{9} \end{aligned}$$

9789

$$\begin{aligned} &:= \frac{11111 - 1111 - 111 - 111 + 11}{1} = \frac{22222 - 2222 - 222 - 222 + 22}{2} = \frac{33333 - 3333 - 333 - 333 + 33}{3} \\ &:= \frac{44444 - 4444 - 444 - 444 + 44}{4} = \frac{55555 - 5555 - 555 - 555 + 55}{5} = \frac{66666 - 6666 - 666 - 666 + 66}{6} \\ &:= \frac{77777 - 7777 - 777 - 777 + 77}{7} = \frac{88888 - 8888 - 888 - 888 + 88}{8} = \frac{99999 - 9999 - 999 - 999 + 99}{9} \end{aligned}$$

99789

$$\begin{aligned} &:= \frac{111111 - 11111 - 111 - 111 + 11}{1} = \frac{222222 - 22222 - 222 - 222 + 22}{2} = \frac{333333 - 33333 - 333 - 333 + 33}{3} \\ &:= \frac{444444 - 44444 - 444 - 444 + 44}{4} = \frac{555555 - 55555 - 555 - 555 + 55}{5} = \frac{666666 - 66666 - 666 - 666 + 66}{6} \\ &:= \frac{777777 - 77777 - 777 - 777 + 77}{7} = \frac{888888 - 88888 - 888 - 888 + 88}{8} = \frac{999999 - 99999 - 999 - 999 + 99}{9} \end{aligned}$$

999789

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 - 111 + 11}{1} = \frac{2222222 - 222222 - 222 - 222 + 22}{2} = \frac{3333333 - 333333 - 333 - 333 + 33}{3} \\ &:= \frac{4444444 - 444444 - 444 - 444 + 44}{4} = \frac{5555555 - 555555 - 555 - 555 + 55}{5} = \frac{6666666 - 666666 - 666 - 666 + 66}{6} \\ &:= \frac{7777777 - 777777 - 777 - 777 + 77}{7} = \frac{8888888 - 888888 - 888 - 888 + 88}{8} = \frac{9999999 - 999999 - 999 - 999 + 99}{9} \end{aligned}$$

► 790

$$\begin{aligned} &:= \frac{1111 - 111 - 111 - 111 + 11 + 1}{1} = \frac{2222 - 222 - 222 - 222 + 22 + 2}{2} = \frac{3333 - 333 - 333 - 333 + 33 + 3}{3} \\ &:= \frac{4444 - 444 - 444 - 444 + 44 + 4}{4} = \frac{5555 - 555 - 555 - 555 + 55 + 5}{5} = \frac{6666 - 666 - 666 - 666 + 66 + 6}{6} \\ &:= \frac{7777 - 777 - 777 - 777 + 77 + 7}{7} = \frac{8888 - 888 - 888 - 888 + 88 + 8}{8} = \frac{9999 - 999 - 999 - 999 + 99 + 9}{9} \end{aligned}$$

9790

$$\begin{aligned} &:= \frac{11111 - 1111 - 111 - 111 + 11 + 1}{1} = \frac{22222 - 2222 - 222 - 222 + 22 + 2}{2} = \frac{33333 - 3333 - 333 - 333 + 33 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 444 + 44 + 4}{4} = \frac{55555 - 5555 - 555 - 555 + 55 + 5}{5} = \frac{66666 - 6666 - 666 - 666 + 66 + 6}{6} \end{aligned}$$

$$:= \frac{77777 - 7777 - 777 - 777 + 77 + 7}{7} = \frac{88888 - 8888 - 888 - 888 + 88 + 8}{8} = \frac{99999 - 9999 - 999 - 999 + 99 + 9}{9}$$

99790 := $\frac{111111 - 11111 - 111 - 111 + 11 + 1}{1} = \frac{222222 - 22222 - 222 - 222 + 22 + 2}{2} = \frac{333333 - 33333 - 333 - 333 + 33 + 3}{3}$

$$:= \frac{444444 - 44444 - 444 - 444 + 44 + 4}{4} = \frac{555555 - 55555 - 555 - 555 + 55 + 5}{5} = \frac{666666 - 66666 - 666 - 666 + 66 + 6}{6}$$
$$:= \frac{777777 - 77777 - 777 - 777 + 77 + 7}{7} = \frac{888888 - 88888 - 888 - 888 + 88 + 8}{8} = \frac{999999 - 99999 - 999 - 999 + 99 + 9}{9}$$

999790 := $\frac{1111111 - 111111 - 111 - 111 + 11 + 1}{1} = \frac{2222222 - 222222 - 222 - 222 + 22 + 2}{2} = \frac{3333333 - 333333 - 333 - 333 + 33 + 3}{3}$

$$:= \frac{4444444 - 444444 - 444 - 444 + 44 + 4}{4} = \frac{5555555 - 555555 - 555 - 555 + 55 + 5}{5} = \frac{6666666 - 666666 - 666 - 666 + 66 + 6}{6}$$
$$:= \frac{7777777 - 777777 - 777 - 777 + 77 + 7}{7} = \frac{8888888 - 888888 - 888 - 888 + 88 + 8}{8} = \frac{9999999 - 999999 - 999 - 999 + 99 + 9}{9}$$

► **791** := $\frac{(11 - 1 - 1 - 1 - 1) \times (111 + 1 + 1)}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (222 + 2 + 2)}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (333 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44 - 4 - 4 - 4 - 4) \times (444 + 4 + 4)}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (555 + 5 + 5)}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (666 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77 - 7 - 7 - 7 - 7) \times (777 + 7 + 7)}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (888 + 8 + 8)}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (999 + 9 + 9)}{9 \times 9}$$

7791 := $\frac{(11 - 1 - 1 - 1 - 1) \times (1111 + 1 + 1)}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (2222 + 2 + 2)}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (3333 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44 - 4 - 4 - 4 - 4) \times (4444 + 4 + 4)}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (5555 + 5 + 5)}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (6666 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77 - 7 - 7 - 7 - 7) \times (7777 + 7 + 7)}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (8888 + 8 + 8)}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (9999 + 9 + 9)}{9 \times 9}$$

77791 := $\frac{(11 - 1 - 1 - 1 - 1) \times (11111 + 1 + 1)}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (22222 + 2 + 2)}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (33333 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44 - 4 - 4 - 4 - 4) \times (44444 + 4 + 4)}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (55555 + 5 + 5)}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (66666 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77 - 7 - 7 - 7 - 7) \times (77777 + 7 + 7)}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (88888 + 8 + 8)}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (99999 + 9 + 9)}{9 \times 9}$$

777791 := $\frac{(11 - 1 - 1 - 1 - 1) \times (111111 + 1 + 1)}{1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times (222222 + 2 + 2)}{2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times (333333 + 3 + 3)}{3 \times 3}$

$$:= \frac{(44 - 4 - 4 - 4 - 4) \times (444444 + 4 + 4)}{4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times (555555 + 5 + 5)}{5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times (666666 + 6 + 6)}{6 \times 6}$$
$$:= \frac{(77 - 7 - 7 - 7 - 7) \times (777777 + 7 + 7)}{7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times (888888 + 8 + 8)}{8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times (999999 + 9 + 9)}{9 \times 9}$$

► **792** := $\frac{1111 - 111 - 111 - 111 + 11 + 1 + 1 + 1}{1} = \frac{2222 - 222 - 222 - 222 + 22 + 2 + 2 + 2}{2} = \frac{3333 - 333 - 333 - 333 + 33 + 3 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{4444 - 444 - 444 - 444 + 44 + 4 + 4 + 4}{4} = \frac{5555 - 555 - 555 - 555 + 55 + 5 + 5 + 5}{5} = \frac{6666 - 666 - 666 - 666 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{7777 - 777 - 777 - 777 + 77 + 7 + 7 + 7}{7} = \frac{8888 - 888 - 888 - 888 + 88 + 8 + 8 + 8}{8} = \frac{9999 - 999 - 999 - 999 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9792} &:= \frac{11111 - 1111 - 111 - 111 + 11 + 1 + 1 + 1}{1} = \frac{22222 - 2222 - 222 - 222 + 22 + 2 + 2 + 2}{2} = \frac{33333 - 3333 - 333 - 333 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 444 + 44 + 4 + 4 + 4}{4} = \frac{55555 - 5555 - 555 - 555 + 55 + 5 + 5 + 5}{5} = \frac{66666 - 6666 - 666 - 666 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 777 + 77 + 7 + 7 + 7}{7} = \frac{88888 - 8888 - 888 - 888 + 88 + 8 + 8 + 8}{8} = \frac{99999 - 9999 - 999 - 999 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99792} &:= \frac{111111 - 11111 - 111 - 111 + 11 + 1 + 1 + 1}{1} = \frac{222222 - 22222 - 222 - 222 + 22 + 2 + 2 + 2}{2} = \frac{333333 - 33333 - 333 - 333 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 444 + 44 + 4 + 4 + 4}{4} = \frac{555555 - 55555 - 555 - 555 + 55 + 5 + 5 + 5}{5} = \frac{666666 - 66666 - 666 - 666 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 777 + 77 + 7 + 7 + 7}{7} = \frac{888888 - 88888 - 888 - 888 + 88 + 8 + 8 + 8}{8} = \frac{999999 - 99999 - 999 - 999 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999792} &:= \frac{1111111 - 111111 - 111 - 111 + 11 + 1 + 1 + 1}{1} = \frac{2222222 - 222222 - 222 - 222 + 22 + 2 + 2 + 2}{2} = \frac{3333333 - 333333 - 333 - 333 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 444 + 44 + 4 + 4 + 4}{4} = \frac{5555555 - 555555 - 555 - 555 + 55 + 5 + 5 + 5}{5} = \frac{6666666 - 666666 - 666 - 666 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 777 + 77 + 7 + 7 + 7}{7} = \frac{8888888 - 888888 - 888 - 888 + 88 + 8 + 8 + 8}{8} = \frac{9999999 - 999999 - 999 - 999 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{793} &:= \frac{(111 + 11) \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times (33 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times (66 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times (99 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{7293} &:= \frac{(1111 + 11) \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 44) \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 77) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{72293} &:= \frac{(11111 + 11) \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 44) \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

722293

$$\begin{aligned} &:= \frac{(111111 + 11) \times (11 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (44 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (77 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 794

$$\begin{aligned} &:= \frac{(111 + 11) \times (11 + 1 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(222 + 22) \times (22 + 2 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(333 + 33) \times (33 + 3 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times (44 + 4 + 4) + (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{(555 + 55) \times (55 + 5 + 5) + (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{(666 + 66) \times (66 + 6 + 6) + (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times (77 + 7 + 7) + (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{(888 + 88) \times (88 + 8 + 8) + (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{(999 + 99) \times (99 + 9 + 9) + (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

7294

$$\begin{aligned} &:= \frac{(1111 + 11) \times (11 + 1 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 44) \times (44 + 4 + 4) + (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5 + 5) + (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6 + 6) + (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 77) \times (77 + 7 + 7) + (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8 + 8) + (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9 + 9) + (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

72294

$$\begin{aligned} &:= \frac{(11111 + 11) \times (11 + 1 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 44) \times (44 + 4 + 4) + (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5 + 5) + (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6 + 6) + (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77) \times (77 + 7 + 7) + (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8 + 8) + (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9 + 9) + (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

722294

$$\begin{aligned} &:= \frac{(111111 + 11) \times (11 + 1 + 1) + (1 + 1) \times 1}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2 + 2) + (2 + 2) \times 2}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3 + 3) + (3 + 3) \times 3}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (44 + 4 + 4) + (4 + 4) \times 4}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5 + 5) + (5 + 5) \times 5}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6 + 6) + (6 + 6) \times 6}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (77 + 7 + 7) + (7 + 7) \times 7}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8 + 8) + (8 + 8) \times 8}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9 + 9) + (9 + 9) \times 9}{(9 + 9) \times 9} \end{aligned}$$

► 795

$$\begin{aligned} &:= \frac{(111 + 11) \times (11 + 1 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22) \times (22 + 2 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33) \times (33 + 3 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444 + 44) \times (44 + 4 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55) \times (55 + 5 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66) \times (66 + 6 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77) \times (77 + 7 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88) \times (88 + 8 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99) \times (99 + 9 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

7295

$$\begin{aligned} &:= \frac{(1111 + 11) \times (11 + 1 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(4444 + 44) \times (44 + 4 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 77) \times (77 + 7 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{72295} &:= \frac{(11111 + 11) \times (11 + 1 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 44) \times (44 + 4 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77) \times (77 + 7 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{722295} &:= \frac{(111111 + 11) \times (11 + 1 + 1) + (1 + 1) \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2 + 2) + (2 + 2) \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3 + 3) + (3 + 3) \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (44 + 4 + 4) + (4 + 4) \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5 + 5) + (5 + 5) \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6 + 6) + (6 + 6) \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (77 + 7 + 7) + (7 + 7) \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8 + 8) + (8 + 8) \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9 + 9) + (9 + 9) \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{796} &:= \frac{(11 - 1 - 1 - 1) \times 1111 - 11 \times (11 + 1)}{1 \times 11} = \frac{(22 - 2 - 2 - 2) \times 2222 - 22 \times (22 + 2)}{2 \times 22} = \frac{(33 - 3 - 3 - 3) \times 3333 - 33 \times (33 + 3)}{3 \times 33} \\ &:= \frac{(44 - 4 - 4 - 4) \times 4444 - 44 \times (44 + 4)}{4 \times 44} = \frac{(55 - 5 - 5 - 5) \times 5555 - 55 \times (55 + 5)}{5 \times 55} = \frac{(66 - 6 - 6 - 6) \times 6666 - 66 \times (66 + 6)}{6 \times 66} \\ &:= \frac{(77 - 7 - 7 - 7) \times 7777 - 77 \times (77 + 7)}{7 \times 77} = \frac{(88 - 8 - 8 - 8) \times 8888 - 88 \times (88 + 8)}{8 \times 88} = \frac{(99 - 9 - 9 - 9) \times 9999 - 99 \times (99 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{80796} &:= \frac{(11 - 1 - 1 - 1) \times 111111 - 11 \times (11 + 1)}{1 \times 11} = \frac{(22 - 2 - 2 - 2) \times 222222 - 22 \times (22 + 2)}{2 \times 22} = \frac{(33 - 3 - 3 - 3) \times 333333 - 33 \times (33 + 3)}{3 \times 33} \\ &:= \frac{(44 - 4 - 4 - 4) \times 444444 - 44 \times (44 + 4)}{4 \times 44} = \frac{(55 - 5 - 5 - 5) \times 555555 - 55 \times (55 + 5)}{5 \times 55} = \frac{(66 - 6 - 6 - 6) \times 666666 - 66 \times (66 + 6)}{6 \times 66} \\ &:= \frac{(77 - 7 - 7 - 7) \times 777777 - 77 \times (77 + 7)}{7 \times 77} = \frac{(88 - 8 - 8 - 8) \times 888888 - 88 \times (88 + 8)}{8 \times 88} = \frac{(99 - 9 - 9 - 9) \times 999999 - 99 \times (99 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8080796} &:= \frac{(11 - 1 - 1 - 1) \times 11111111 - 11 \times (11 + 1)}{1 \times 11} = \frac{(22 - 2 - 2 - 2) \times 22222222 - 22 \times (22 + 2)}{2 \times 22} = \frac{(33 - 3 - 3 - 3) \times 33333333 - 33 \times (33 + 3)}{3 \times 33} \\ &:= \frac{(44 - 4 - 4 - 4) \times 44444444 - 44 \times (44 + 4)}{4 \times 44} = \frac{(55 - 5 - 5 - 5) \times 55555555 - 55 \times (55 + 5)}{5 \times 55} = \frac{(66 - 6 - 6 - 6) \times 66666666 - 66 \times (66 + 6)}{6 \times 66} \\ &:= \frac{(77 - 7 - 7 - 7) \times 77777777 - 77 \times (77 + 7)}{7 \times 77} = \frac{(88 - 8 - 8 - 8) \times 88888888 - 88 \times (88 + 8)}{8 \times 88} = \frac{(99 - 9 - 9 - 9) \times 99999999 - 99 \times (99 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{808080796} &:= \frac{(11 - 1 - 1 - 1) \times 1111111111 - 11 \times (11 + 1)}{1 \times 11} = \frac{(22 - 2 - 2 - 2) \times 2222222222 - 22 \times (22 + 2)}{2 \times 22} = \frac{(33 - 3 - 3 - 3) \times 3333333333 - 33 \times (33 + 3)}{3 \times 33} \\ &:= \frac{(44 - 4 - 4 - 4) \times 4444444444 - 44 \times (44 + 4)}{4 \times 44} = \frac{(55 - 5 - 5 - 5) \times 5555555555 - 55 \times (55 + 5)}{5 \times 55} = \frac{(66 - 6 - 6 - 6) \times 6666666666 - 66 \times (66 + 6)}{6 \times 66} \\ &:= \frac{(77 - 7 - 7 - 7) \times 7777777777 - 77 \times (77 + 7)}{7 \times 77} = \frac{(88 - 8 - 8 - 8) \times 8888888888 - 88 \times (88 + 8)}{8 \times 88} = \frac{(99 - 9 - 9 - 9) \times 9999999999 - 99 \times (99 + 9)}{9 \times 99} \end{aligned}$$

► **797** :=
$$\frac{(11-1-1-1) \times 1111 - 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222 - 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333 - 33 \times 33}{3 \times 33}$$
$$:= \frac{(44-4-4-4) \times 4444 - 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555 - 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666 - 66 \times 66}{6 \times 66}$$
$$:= \frac{(77-7-7-7) \times 7777 - 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888 - 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999 - 99 \times 99}{9 \times 99}$$

80797 :=
$$\frac{(11-1-1-1) \times 111111 - 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 222222 - 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 333333 - 33 \times 33}{3 \times 33}$$
$$:= \frac{(44-4-4-4) \times 444444 - 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 555555 - 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 666666 - 66 \times 66}{6 \times 66}$$
$$:= \frac{(77-7-7-7) \times 777777 - 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 888888 - 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 999999 - 99 \times 99}{9 \times 99}$$

8080797 :=
$$\frac{(11-1-1-1) \times 11111111 - 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 22222222 - 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 33333333 - 33 \times 33}{3 \times 33}$$
$$:= \frac{(44-4-4-4) \times 44444444 - 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 55555555 - 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 66666666 - 66 \times 66}{6 \times 66}$$
$$:= \frac{(77-7-7-7) \times 77777777 - 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 88888888 - 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 99999999 - 99 \times 99}{9 \times 99}$$

808080797 :=
$$\frac{(11-1-1-1) \times 1111111111 - 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222222222 - 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333333333 - 33 \times 33}{3 \times 33}$$
$$:= \frac{(44-4-4-4) \times 4444444444 - 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555555555 - 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666666666 - 66 \times 66}{6 \times 66}$$
$$:= \frac{(77-7-7-7) \times 7777777777 - 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888888888 - 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999999999 - 99 \times 99}{9 \times 99}$$

► **798** :=
$$\frac{(111+11+11) \times (11+1)}{(1+1) \times 1} = \frac{(222+22+22) \times (22+2)}{(2+2) \times 2} = \frac{(333+33+33) \times (33+3)}{(3+3) \times 3}$$
$$:= \frac{(444+44+44) \times (44+4)}{(4+4) \times 4} = \frac{(555+55+55) \times (55+5)}{(5+5) \times 5} = \frac{(666+66+66) \times (66+6)}{(6+6) \times 6}$$
$$:= \frac{(777+77+77) \times (77+7)}{(7+7) \times 7} = \frac{(888+88+88) \times (88+8)}{(8+8) \times 8} = \frac{(999+99+99) \times (99+9)}{(9+9) \times 9}$$

6798 :=
$$\frac{(1111+11+11) \times (11+1)}{(1+1) \times 1} = \frac{(2222+22+22) \times (22+2)}{(2+2) \times 2} = \frac{(3333+33+33) \times (33+3)}{(3+3) \times 3}$$
$$:= \frac{(4444+44+44) \times (44+4)}{(4+4) \times 4} = \frac{(5555+55+55) \times (55+5)}{(5+5) \times 5} = \frac{(6666+66+66) \times (66+6)}{(6+6) \times 6}$$
$$:= \frac{(7777+77+77) \times (77+7)}{(7+7) \times 7} = \frac{(8888+88+88) \times (88+8)}{(8+8) \times 8} = \frac{(9999+99+99) \times (99+9)}{(9+9) \times 9}$$

66798 :=
$$\frac{(11111+11+11) \times (11+1)}{(1+1) \times 1} = \frac{(22222+22+22) \times (22+2)}{(2+2) \times 2} = \frac{(33333+33+33) \times (33+3)}{(3+3) \times 3}$$
$$:= \frac{(44444+44+44) \times (44+4)}{(4+4) \times 4} = \frac{(55555+55+55) \times (55+5)}{(5+5) \times 5} = \frac{(66666+66+66) \times (66+6)}{(6+6) \times 6}$$

$$:= \frac{(77777 + 77 + 77) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88 + 88) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99 + 99) \times (99 + 9)}{(9 + 9) \times 9}$$

666798 := $\frac{(111111 + 11 + 11) \times (11 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22 + 22) \times (22 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33 + 33) \times (33 + 3)}{(3 + 3) \times 3}$

$$:= \frac{(444444 + 44 + 44) \times (44 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55 + 55) \times (55 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66 + 66) \times (66 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(777777 + 77 + 77) \times (77 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88 + 88) \times (88 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99 + 99) \times (99 + 9)}{(9 + 9) \times 9}$$

► **799** := $\frac{(111 - 11) \times (11 - 1 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(222 - 22) \times (22 - 2 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(333 - 33) \times (33 - 3 - 3 - 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(444 - 44) \times (44 - 4 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(555 - 55) \times (55 - 5 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(666 - 66) \times (66 - 6 - 6 - 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 - 77) \times (77 - 7 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(888 - 88) \times (88 - 8 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(999 - 99) \times (99 - 9 - 9 - 9) - 9 \times 9}{9 \times 9}$$

8799 := $\frac{(1111 - 11) \times (11 - 1 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(2222 - 22) \times (22 - 2 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(3333 - 33) \times (33 - 3 - 3 - 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(4444 - 44) \times (44 - 4 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(5555 - 55) \times (55 - 5 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(6666 - 66) \times (66 - 6 - 6 - 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 - 77) \times (77 - 7 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(8888 - 88) \times (88 - 8 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(9999 - 99) \times (99 - 9 - 9 - 9) - 9 \times 9}{9 \times 9}$$

88799 := $\frac{(11111 - 11) \times (11 - 1 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(22222 - 22) \times (22 - 2 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(33333 - 33) \times (33 - 3 - 3 - 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(44444 - 44) \times (44 - 4 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(55555 - 55) \times (55 - 5 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(66666 - 66) \times (66 - 6 - 6 - 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 - 77) \times (77 - 7 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(88888 - 88) \times (88 - 8 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(99999 - 99) \times (99 - 9 - 9 - 9) - 9 \times 9}{9 \times 9}$$

888799 := $\frac{(111111 - 11) \times (11 - 1 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(222222 - 22) \times (22 - 2 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(333333 - 33) \times (33 - 3 - 3 - 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(444444 - 44) \times (44 - 4 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 55) \times (55 - 5 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 66) \times (66 - 6 - 6 - 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 - 77) \times (77 - 7 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 88) \times (88 - 8 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 99) \times (99 - 9 - 9 - 9) - 9 \times 9}{9 \times 9}$$

► **800** := $\frac{(111 - 11) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(222 - 22) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(333 - 33) \times (33 - 3 - 3 - 3)}{3 \times 3}$

$$:= \frac{(444 - 44) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(555 - 55) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(666 - 66) \times (66 - 6 - 6 - 6)}{6 \times 6}$$
$$:= \frac{(777 - 77) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(888 - 88) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(999 - 99) \times (99 - 9 - 9 - 9)}{9 \times 9}$$

8800

$$\begin{aligned} &:= \frac{(1111-11) \times (11-1-1-1)}{1 \times 1} = \frac{(2222-22) \times (22-2-2-2)}{2 \times 2} = \frac{(3333-33) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(4444-44) \times (44-4-4-4)}{4 \times 4} = \frac{(5555-55) \times (55-5-5-5)}{5 \times 5} = \frac{(6666-66) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(7777-77) \times (77-7-7-7)}{7 \times 7} = \frac{(8888-88) \times (88-8-8-8)}{8 \times 8} = \frac{(9999-99) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

88800

$$\begin{aligned} &:= \frac{(11111-11) \times (11-1-1-1)}{1 \times 1} = \frac{(22222-22) \times (22-2-2-2)}{2 \times 2} = \frac{(33333-33) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(44444-44) \times (44-4-4-4)}{4 \times 4} = \frac{(55555-55) \times (55-5-5-5)}{5 \times 5} = \frac{(66666-66) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(77777-77) \times (77-7-7-7)}{7 \times 7} = \frac{(88888-88) \times (88-8-8-8)}{8 \times 8} = \frac{(99999-99) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

888800

$$\begin{aligned} &:= \frac{(111111-11) \times (11-1-1-1)}{1 \times 1} = \frac{(222222-22) \times (22-2-2-2)}{2 \times 2} = \frac{(333333-33) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(444444-44) \times (44-4-4-4)}{4 \times 4} = \frac{(555555-55) \times (55-5-5-5)}{5 \times 5} = \frac{(666666-66) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(777777-77) \times (77-7-7-7)}{7 \times 7} = \frac{(888888-88) \times (88-8-8-8)}{8 \times 8} = \frac{(999999-99) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

► 801

$$\begin{aligned} &:= \frac{(111-11) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(222-22) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(333-33) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(555-55) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(666-66) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(888-88) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(999-99) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

8801

$$\begin{aligned} &:= \frac{(1111-11) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(2222-22) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(3333-33) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-44) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(5555-55) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(6666-66) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-77) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(8888-88) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(9999-99) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

88801

$$\begin{aligned} &:= \frac{(11111-11) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(22222-22) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(33333-33) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-44) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(55555-55) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(66666-66) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-77) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(88888-88) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(99999-99) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

888801

$$\begin{aligned} &:= \frac{(111111-11) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(222222-22) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(333333-33) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(555555-55) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(666666-66) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-77) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(888888-88) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(999999-99) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► **802** :=
$$\frac{(111-11) \times (11-1-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(222-22) \times (22-2-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(333-33) \times (33-3-3-3) + 3 \times (3+3)}{3 \times 3}$$
$$:= \frac{(444-44) \times (44-4-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(555-55) \times (55-5-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(666-66) \times (66-6-6-6) + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(777-77) \times (77-7-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(888-88) \times (88-8-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(999-99) \times (99-9-9-9) + 9 \times (9+9)}{9 \times 9}$$

8802 :=
$$\frac{(1111-11) \times (11-1-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(2222-22) \times (22-2-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(3333-33) \times (33-3-3-3) + 3 \times (3+3)}{3 \times 3}$$
$$:= \frac{(4444-44) \times (44-4-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(5555-55) \times (55-5-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(6666-66) \times (66-6-6-6) + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(7777-77) \times (77-7-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(8888-88) \times (88-8-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(9999-99) \times (99-9-9-9) + 9 \times (9+9)}{9 \times 9}$$

88802 :=
$$\frac{(11111-11) \times (11-1-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(22222-22) \times (22-2-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(33333-33) \times (33-3-3-3) + 3 \times (3+3)}{3 \times 3}$$
$$:= \frac{(44444-44) \times (44-4-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(55555-55) \times (55-5-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(66666-66) \times (66-6-6-6) + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(77777-77) \times (77-7-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(88888-88) \times (88-8-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(99999-99) \times (99-9-9-9) + 9 \times (9+9)}{9 \times 9}$$

888802 :=
$$\frac{(111111-11) \times (11-1-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(222222-22) \times (22-2-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(333333-33) \times (33-3-3-3) + 3 \times (3+3)}{3 \times 3}$$
$$:= \frac{(444444-44) \times (44-4-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(555555-55) \times (55-5-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(666666-66) \times (66-6-6-6) + 6 \times (6+6)}{6 \times 6}$$
$$:= \frac{(777777-77) \times (77-7-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(888888-88) \times (88-8-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(999999-99) \times (99-9-9-9) + 9 \times (9+9)}{9 \times 9}$$

► **803** :=
$$\frac{(111-11) \times (11-1-1-1) + 1 \times (1+1+1)}{1 \times 1} = \frac{(222-22) \times (22-2-2-2) + 2 \times (2+2+2)}{2 \times 2} = \frac{(333-33) \times (33-3-3-3) + 3 \times (3+3+3)}{3 \times 3}$$
$$:= \frac{(444-44) \times (44-4-4-4) + 4 \times (4+4+4)}{4 \times 4} = \frac{(555-55) \times (55-5-5-5) + 5 \times (5+5+5)}{5 \times 5} = \frac{(666-66) \times (66-6-6-6) + 6 \times (6+6+6)}{6 \times 6}$$
$$:= \frac{(777-77) \times (77-7-7-7) + 7 \times (7+7+7)}{7 \times 7} = \frac{(888-88) \times (88-8-8-8) + 8 \times (8+8+8)}{8 \times 8} = \frac{(999-99) \times (99-9-9-9) + 9 \times (9+9+9)}{9 \times 9}$$

8803 :=
$$\frac{(1111-11) \times (11-1-1-1) + 1 \times (1+1+1)}{1 \times 1} = \frac{(2222-22) \times (22-2-2-2) + 2 \times (2+2+2)}{2 \times 2} = \frac{(3333-33) \times (33-3-3-3) + 3 \times (3+3+3)}{3 \times 3}$$
$$:= \frac{(4444-44) \times (44-4-4-4) + 4 \times (4+4+4)}{4 \times 4} = \frac{(5555-55) \times (55-5-5-5) + 5 \times (5+5+5)}{5 \times 5} = \frac{(6666-66) \times (66-6-6-6) + 6 \times (6+6+6)}{6 \times 6}$$
$$:= \frac{(7777-77) \times (77-7-7-7) + 7 \times (7+7+7)}{7 \times 7} = \frac{(8888-88) \times (88-8-8-8) + 8 \times (8+8+8)}{8 \times 8} = \frac{(9999-99) \times (99-9-9-9) + 9 \times (9+9+9)}{9 \times 9}$$

88803 :=
$$\frac{(11111-11) \times (11-1-1-1) + 1 \times (1+1+1)}{1 \times 1} = \frac{(22222-22) \times (22-2-2-2) + 2 \times (2+2+2)}{2 \times 2} = \frac{(33333-33) \times (33-3-3-3) + 3 \times (3+3+3)}{3 \times 3}$$
$$:= \frac{(44444-44) \times (44-4-4-4) + 4 \times (4+4+4)}{4 \times 4} = \frac{(55555-55) \times (55-5-5-5) + 5 \times (5+5+5)}{5 \times 5} = \frac{(66666-66) \times (66-6-6-6) + 6 \times (6+6+6)}{6 \times 6}$$

$$\begin{aligned} &:= \frac{(77777-77) \times (77-7-7-7) + 7 \times (7+7+7)}{7 \times 7} = \frac{(88888-88) \times (88-8-8-8) + 8 \times (8+8+8)}{8 \times 8} = \frac{(99999-99) \times (99-9-9-9) + 9 \times (9+9+9)}{9 \times 9} \\ \textcolor{red}{888803} &:= \frac{(111111-11) \times (11-1-1-1) + 1 \times (1+1+1)}{1 \times 1} = \frac{(222222-22) \times (22-2-2-2) + 2 \times (2+2+2)}{2 \times 2} = \frac{(333333-33) \times (33-3-3-3) + 3 \times (3+3+3)}{3 \times 3} \\ &:= \frac{(444444-44) \times (44-4-4-4) + 4 \times (4+4+4)}{4 \times 4} = \frac{(555555-55) \times (55-5-5-5) + 5 \times (5+5+5)}{5 \times 5} = \frac{(666666-66) \times (66-6-6-6) + 6 \times (6+6+6)}{6 \times 6} \\ &:= \frac{(777777-77) \times (77-7-7-7) + 7 \times (7+7+7)}{7 \times 7} = \frac{(888888-88) \times (88-8-8-8) + 8 \times (8+8+8)}{8 \times 8} = \frac{(999999-99) \times (99-9-9-9) + 9 \times (9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{804} &:= \frac{(111-11) \times (11-1-1-1) + 1 \times (1+1+1+1)}{1 \times 1} = \frac{(222-22) \times (22-2-2-2) + 2 \times (2+2+2+2)}{2 \times 2} = \frac{(333-33) \times (33-3-3-3) + 3 \times (3+3+3+3)}{3 \times 3} \\ &:= \frac{(444-44) \times (44-4-4-4) + 4 \times (4+4+4+4)}{4 \times 4} = \frac{(555-55) \times (55-5-5-5) + 5 \times (5+5+5+5)}{5 \times 5} = \frac{(666-66) \times (66-6-6-6) + 6 \times (6+6+6+6)}{6 \times 6} \\ &:= \frac{(777-77) \times (77-7-7-7) + 7 \times (7+7+7+7)}{7 \times 7} = \frac{(888-88) \times (88-8-8-8) + 8 \times (8+8+8+8)}{8 \times 8} = \frac{(999-99) \times (99-9-9-9) + 9 \times (9+9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8804} &:= \frac{(1111-11) \times (11-1-1-1) + 1 \times (1+1+1+1)}{1 \times 1} = \frac{(2222-22) \times (22-2-2-2) + 2 \times (2+2+2+2)}{2 \times 2} = \frac{(3333-33) \times (33-3-3-3) + 3 \times (3+3+3+3)}{3 \times 3} \\ &:= \frac{(4444-44) \times (44-4-4-4) + 4 \times (4+4+4+4)}{4 \times 4} = \frac{(5555-55) \times (55-5-5-5) + 5 \times (5+5+5+5)}{5 \times 5} = \frac{(6666-66) \times (66-6-6-6) + 6 \times (6+6+6+6)}{6 \times 6} \\ &:= \frac{(7777-77) \times (77-7-7-7) + 7 \times (7+7+7+7)}{7 \times 7} = \frac{(8888-88) \times (88-8-8-8) + 8 \times (8+8+8+8)}{8 \times 8} = \frac{(9999-99) \times (99-9-9-9) + 9 \times (9+9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88804} &:= \frac{(11111-11) \times (11-1-1-1) + 1 \times (1+1+1+1)}{1 \times 1} = \frac{(22222-22) \times (22-2-2-2) + 2 \times (2+2+2+2)}{2 \times 2} = \frac{(33333-33) \times (33-3-3-3) + 3 \times (3+3+3+3)}{3 \times 3} \\ &:= \frac{(44444-44) \times (44-4-4-4) + 4 \times (4+4+4+4)}{4 \times 4} = \frac{(55555-55) \times (55-5-5-5) + 5 \times (5+5+5+5)}{5 \times 5} = \frac{(66666-66) \times (66-6-6-6) + 6 \times (6+6+6+6)}{6 \times 6} \\ &:= \frac{(77777-77) \times (77-7-7-7) + 7 \times (7+7+7+7)}{7 \times 7} = \frac{(88888-88) \times (88-8-8-8) + 8 \times (8+8+8+8)}{8 \times 8} = \frac{(99999-99) \times (99-9-9-9) + 9 \times (9+9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{888804} &:= \frac{(111111-11) \times (11-1-1-1) + 1 \times (1+1+1+1)}{1 \times 1} = \frac{(222222-22) \times (22-2-2-2) + 2 \times (2+2+2+2)}{2 \times 2} = \frac{(333333-33) \times (33-3-3-3) + 3 \times (3+3+3+3)}{3 \times 3} \\ &:= \frac{(444444-44) \times (44-4-4-4) + 4 \times (4+4+4+4)}{4 \times 4} = \frac{(555555-55) \times (55-5-5-5) + 5 \times (5+5+5+5)}{5 \times 5} = \frac{(666666-66) \times (66-6-6-6) + 6 \times (6+6+6+6)}{6 \times 6} \\ &:= \frac{(777777-77) \times (77-7-7-7) + 7 \times (7+7+7+7)}{7 \times 7} = \frac{(888888-88) \times (88-8-8-8) + 8 \times (8+8+8+8)}{8 \times 8} = \frac{(999999-99) \times (99-9-9-9) + 9 \times (9+9+9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{805} &:= \frac{(11-1-1-1) \times 1111 - (1+1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222 - (2+2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333 - (3+3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444 - (4+4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555 - (5+5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666 - (6+6+6) \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777 - (7+7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888 - (8+8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999 - (9+9+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{80805} &:= \frac{(11-1-1-1) \times 111111 - (1+1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 222222 - (2+2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 333333 - (3+3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 444444 - (4+4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 555555 - (5+5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 666666 - (6+6+6) \times 66}{66 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(77-7-7-7) \times 777777 - (7+7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 888888 - (8+8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 999999 - (9+9+9) \times 99}{99 \times 9} \\ \textcolor{red}{8080805} &:= \frac{(11-1-1-1) \times 11111111 - (1+1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 22222222 - (2+2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 33333333 - (3+3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 44444444 - (4+4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 55555555 - (5+5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 66666666 - (6+6+6) \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 77777777 - (7+7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 88888888 - (8+8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 99999999 - (9+9+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{808080805} &:= \frac{(11-1-1-1) \times 1111111111 - (1+1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222222222 - (2+2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333333333 - (3+3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444444444 - (4+4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555555555 - (5+5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666666666 - (6+6+6) \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777777777 - (7+7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888888888 - (8+8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999999999 - (9+9+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{806} &:= \frac{(11-1-1-1) \times 1111 - (1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222 - (2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333 - (3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444 - (4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555 - (5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666 - (6+6) \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777 - (7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888 - (8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999 - (9+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{80806} &:= \frac{(11-1-1-1) \times 111111 - (1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 222222 - (2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 333333 - (3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 444444 - (4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 555555 - (5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 666666 - (6+6) \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 777777 - (7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 888888 - (8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 999999 - (9+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8080806} &:= \frac{(11-1-1-1) \times 11111111 - (1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 22222222 - (2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 33333333 - (3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 44444444 - (4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 55555555 - (5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 66666666 - (6+6) \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 77777777 - (7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 88888888 - (8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 99999999 - (9+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{808080806} &:= \frac{(11-1-1-1) \times 1111111111 - (1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222222222 - (2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333333333 - (3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444444444 - (4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555555555 - (5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666666666 - (6+6) \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777777777 - (7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888888888 - (8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999999999 - (9+9) \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{807} &:= \frac{(11-1-1-1) \times 1111 - 1 \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222 - 2 \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333 - 3 \times 33}{33 \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(44-4-4-4) \times 4444 - 4 \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555 - 5 \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666 - 6 \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777 - 7 \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888 - 8 \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999 - 9 \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{80807} &:= \frac{(11-1-1-1) \times 111111 - 1 \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 222222 - 2 \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 333333 - 3 \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 444444 - 4 \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 555555 - 5 \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 666666 - 6 \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 777777 - 7 \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 888888 - 8 \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 999999 - 9 \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8080807} &:= \frac{(11-1-1-1) \times 11111111 - 1 \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 22222222 - 2 \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 33333333 - 3 \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 44444444 - 4 \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 55555555 - 5 \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 66666666 - 6 \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 77777777 - 7 \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 88888888 - 8 \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 99999999 - 9 \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{808080807} &:= \frac{(11-1-1-1) \times 1111111111 - 1 \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222222222 - 2 \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333333333 - 3 \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444444444 - 4 \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555555555 - 5 \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666666666 - 6 \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777777777 - 7 \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888888888 - 8 \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999999999 - 9 \times 99}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{808} &:= \frac{(11-1-1-1) \times 1111}{11 \times 1} = \frac{(22-2-2-2) \times 2222}{22 \times 2} = \frac{(33-3-3-3) \times 3333}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444}{44 \times 4} = \frac{(55-5-5-5) \times 5555}{55 \times 5} = \frac{(66-6-6-6) \times 6666}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777}{77 \times 7} = \frac{(88-8-8-8) \times 8888}{88 \times 8} = \frac{(99-9-9-9) \times 9999}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{80808} &:= \frac{(11-1-1-1) \times 111111}{11 \times 1} = \frac{(22-2-2-2) \times 222222}{22 \times 2} = \frac{(33-3-3-3) \times 333333}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 444444}{44 \times 4} = \frac{(55-5-5-5) \times 555555}{55 \times 5} = \frac{(66-6-6-6) \times 666666}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 777777}{77 \times 7} = \frac{(88-8-8-8) \times 888888}{88 \times 8} = \frac{(99-9-9-9) \times 999999}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8080808} &:= \frac{(11-1-1-1) \times 11111111}{11 \times 1} = \frac{(22-2-2-2) \times 22222222}{22 \times 2} = \frac{(33-3-3-3) \times 33333333}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 44444444}{44 \times 4} = \frac{(55-5-5-5) \times 55555555}{55 \times 5} = \frac{(66-6-6-6) \times 66666666}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 77777777}{77 \times 7} = \frac{(88-8-8-8) \times 88888888}{88 \times 8} = \frac{(99-9-9-9) \times 99999999}{99 \times 9} \end{aligned}$$

808080808

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111111111}{11 \times 1} = \frac{(22-2-2-2) \times 2222222222}{22 \times 2} = \frac{(33-3-3-3) \times 3333333333}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444444444}{44 \times 4} = \frac{(55-5-5-5) \times 5555555555}{55 \times 5} = \frac{(66-6-6-6) \times 6666666666}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777777777}{77 \times 7} = \frac{(88-8-8-8) \times 8888888888}{88 \times 8} = \frac{(99-9-9-9) \times 9999999999}{99 \times 9} \end{aligned}$$

► 809

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111 + 1 \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222 + 2 \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333 + 3 \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444 + 4 \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555 + 5 \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666 + 6 \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777 + 7 \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888 + 8 \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999 + 9 \times 99}{99 \times 9} \end{aligned}$$

80809

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 111111 + 1 \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 222222 + 2 \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 333333 + 3 \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 444444 + 4 \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 555555 + 5 \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 666666 + 6 \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 777777 + 7 \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 888888 + 8 \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 999999 + 9 \times 99}{99 \times 9} \end{aligned}$$

8080809

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 11111111 + 1 \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 22222222 + 2 \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 33333333 + 3 \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 44444444 + 4 \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 55555555 + 5 \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 66666666 + 6 \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 77777777 + 7 \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 88888888 + 8 \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 99999999 + 9 \times 99}{99 \times 9} \end{aligned}$$

808080809

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111111111 + 1 \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222222222 + 2 \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333333333 + 3 \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444444444 + 4 \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555555555 + 5 \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666666666 + 6 \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777777777 + 7 \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888888888 + 8 \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999999999 + 9 \times 99}{99 \times 9} \end{aligned}$$

► 810

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111 + (1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222 + (2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333 + (3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 4444 + (4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555 + (5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666 + (6+6) \times 66}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times 7777 + (7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888 + (8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999 + (9+9) \times 99}{99 \times 9} \end{aligned}$$

80810

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 111111 + (1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 222222 + (2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 333333 + (3+3) \times 33}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times 444444 + (4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 555555 + (5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 666666 + (6+6) \times 66}{66 \times 6} \end{aligned}$$

474

$$:= \frac{(77-7-7-7) \times 777777 + (7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 888888 + (8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 999999 + (9+9) \times 99}{99 \times 9}$$

8080810 := $\frac{(11-1-1-1) \times 1111111 + (1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 2222222 + (2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 3333333 + (3+3) \times 33}{33 \times 3}$

$$:= \frac{(44-4-4-4) \times 4444444 + (4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 5555555 + (5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 6666666 + (6+6) \times 66}{66 \times 6}$$
$$:= \frac{(77-7-7-7) \times 7777777 + (7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 8888888 + (8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 9999999 + (9+9) \times 99}{99 \times 9}$$

808080810 := $\frac{(11-1-1-1) \times 111111111 + (1+1) \times 11}{11 \times 1} = \frac{(22-2-2-2) \times 222222222 + (2+2) \times 22}{22 \times 2} = \frac{(33-3-3-3) \times 333333333 + (3+3) \times 33}{33 \times 3}$

$$:= \frac{(44-4-4-4) \times 444444444 + (4+4) \times 44}{44 \times 4} = \frac{(55-5-5-5) \times 555555555 + (5+5) \times 55}{55 \times 5} = \frac{(66-6-6-6) \times 666666666 + (6+6) \times 66}{66 \times 6}$$
$$:= \frac{(77-7-7-7) \times 777777777 + (7+7) \times 77}{77 \times 7} = \frac{(88-8-8-8) \times 888888888 + (8+8) \times 88}{88 \times 8} = \frac{(99-9-9-9) \times 999999999 + (9+9) \times 99}{99 \times 9}$$

► **811** := $\frac{(111-11) \times (11-1-1-1) + 11 \times 1}{1 \times 1} = \frac{(222-22) \times (22-2-2-2) + 22 \times 2}{2 \times 2} = \frac{(333-33) \times (33-3-3-3) + 33 \times 3}{3 \times 3}$

$$:= \frac{(444-44) \times (44-4-4-4) + 44 \times 4}{4 \times 4} = \frac{(555-55) \times (55-5-5-5) + 55 \times 5}{5 \times 5} = \frac{(666-66) \times (66-6-6-6) + 66 \times 6}{6 \times 6}$$
$$:= \frac{(777-77) \times (77-7-7-7) + 77 \times 7}{7 \times 7} = \frac{(888-88) \times (88-8-8-8) + 88 \times 8}{8 \times 8} = \frac{(999-99) \times (99-9-9-9) + 99 \times 9}{9 \times 9}$$

8811 := $\frac{(1111-11) \times (11-1-1-1) + 11 \times 1}{1 \times 1} = \frac{(2222-22) \times (22-2-2-2) + 22 \times 2}{2 \times 2} = \frac{(3333-33) \times (33-3-3-3) + 33 \times 3}{3 \times 3}$

$$:= \frac{(4444-44) \times (44-4-4-4) + 44 \times 4}{4 \times 4} = \frac{(5555-55) \times (55-5-5-5) + 55 \times 5}{5 \times 5} = \frac{(6666-66) \times (66-6-6-6) + 66 \times 6}{6 \times 6}$$
$$:= \frac{(7777-77) \times (77-7-7-7) + 77 \times 7}{7 \times 7} = \frac{(8888-88) \times (88-8-8-8) + 88 \times 8}{8 \times 8} = \frac{(9999-99) \times (99-9-9-9) + 99 \times 9}{9 \times 9}$$

88811 := $\frac{(11111-11) \times (11-1-1-1) + 11 \times 1}{1 \times 1} = \frac{(22222-22) \times (22-2-2-2) + 22 \times 2}{2 \times 2} = \frac{(33333-33) \times (33-3-3-3) + 33 \times 3}{3 \times 3}$

$$:= \frac{(44444-44) \times (44-4-4-4) + 44 \times 4}{4 \times 4} = \frac{(55555-55) \times (55-5-5-5) + 55 \times 5}{5 \times 5} = \frac{(66666-66) \times (66-6-6-6) + 66 \times 6}{6 \times 6}$$
$$:= \frac{(77777-77) \times (77-7-7-7) + 77 \times 7}{7 \times 7} = \frac{(88888-88) \times (88-8-8-8) + 88 \times 8}{8 \times 8} = \frac{(99999-99) \times (99-9-9-9) + 99 \times 9}{9 \times 9}$$

888811 := $\frac{(111111-11) \times (11-1-1-1) + 11 \times 1}{1 \times 1} = \frac{(222222-22) \times (22-2-2-2) + 22 \times 2}{2 \times 2} = \frac{(333333-33) \times (33-3-3-3) + 33 \times 3}{3 \times 3}$

$$:= \frac{(444444-44) \times (44-4-4-4) + 44 \times 4}{4 \times 4} = \frac{(555555-55) \times (55-5-5-5) + 55 \times 5}{5 \times 5} = \frac{(666666-66) \times (66-6-6-6) + 66 \times 6}{6 \times 6}$$
$$:= \frac{(777777-77) \times (77-7-7-7) + 77 \times 7}{7 \times 7} = \frac{(888888-88) \times (88-8-8-8) + 88 \times 8}{8 \times 8} = \frac{(999999-99) \times (99-9-9-9) + 99 \times 9}{9 \times 9}$$

► **812** := $\frac{(111-11) \times (11-1-1-1) + (11+1) \times 1}{1 \times 1} = \frac{(222-22) \times (22-2-2-2) + (22+2) \times 2}{2 \times 2} = \frac{(333-33) \times (33-3-3-3) + (33+3) \times 3}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444-44) \times (44-4-4-4) + (44+4) \times 4}{4 \times 4} = \frac{(555-55) \times (55-5-5-5) + (55+5) \times 5}{5 \times 5} = \frac{(666-66) \times (66-6-6-6) + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(777-77) \times (77-7-7-7) + (77+7) \times 7}{7 \times 7} = \frac{(888-88) \times (88-8-8-8) + (88+8) \times 8}{8 \times 8} = \frac{(999-99) \times (99-9-9-9) + (99+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8812} &:= \frac{(1111-11) \times (11-1-1-1) + (11+1) \times 1}{1 \times 1} = \frac{(2222-22) \times (22-2-2-2) + (22+2) \times 2}{2 \times 2} = \frac{(3333-33) \times (33-3-3-3) + (33+3) \times 3}{3 \times 3} \\ &:= \frac{(4444-44) \times (44-4-4-4) + (44+4) \times 4}{4 \times 4} = \frac{(5555-55) \times (55-5-5-5) + (55+5) \times 5}{5 \times 5} = \frac{(6666-66) \times (66-6-6-6) + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(7777-77) \times (77-7-7-7) + (77+7) \times 7}{7 \times 7} = \frac{(8888-88) \times (88-8-8-8) + (88+8) \times 8}{8 \times 8} = \frac{(9999-99) \times (99-9-9-9) + (99+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88812} &:= \frac{(11111-11) \times (11-1-1-1) + (11+1) \times 1}{1 \times 1} = \frac{(22222-22) \times (22-2-2-2) + (22+2) \times 2}{2 \times 2} = \frac{(33333-33) \times (33-3-3-3) + (33+3) \times 3}{3 \times 3} \\ &:= \frac{(44444-44) \times (44-4-4-4) + (44+4) \times 4}{4 \times 4} = \frac{(55555-55) \times (55-5-5-5) + (55+5) \times 5}{5 \times 5} = \frac{(66666-66) \times (66-6-6-6) + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(77777-77) \times (77-7-7-7) + (77+7) \times 7}{7 \times 7} = \frac{(88888-88) \times (88-8-8-8) + (88+8) \times 8}{8 \times 8} = \frac{(99999-99) \times (99-9-9-9) + (99+9) \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{888812} &:= \frac{(111111-11) \times (11-1-1-1) + (11+1) \times 1}{1 \times 1} = \frac{(222222-22) \times (22-2-2-2) + (22+2) \times 2}{2 \times 2} = \frac{(333333-33) \times (33-3-3-3) + (33+3) \times 3}{3 \times 3} \\ &:= \frac{(444444-44) \times (44-4-4-4) + (44+4) \times 4}{4 \times 4} = \frac{(555555-55) \times (55-5-5-5) + (55+5) \times 5}{5 \times 5} = \frac{(666666-66) \times (66-6-6-6) + (66+6) \times 6}{6 \times 6} \\ &:= \frac{(777777-77) \times (77-7-7-7) + (77+7) \times 7}{7 \times 7} = \frac{(888888-88) \times (88-8-8-8) + (88+8) \times 8}{8 \times 8} = \frac{(999999-99) \times (99-9-9-9) + (99+9) \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{813} &:= \frac{(11+11) \times 111 - (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{(22+22) \times 222 - (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{(33+33) \times 333 - (3+3+3) \times 3}{(3+3+3) \times 3} \\ &:= \frac{(44+44) \times 444 - (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{(55+55) \times 555 - (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{(66+66) \times 666 - (6+6+6) \times 6}{(6+6+6) \times 6} \\ &:= \frac{(77+77) \times 777 - (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{(88+88) \times 888 - (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{(99+99) \times 999 - (9+9+9) \times 9}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8213} &:= \frac{(111+111) \times 111 - (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{(222+222) \times 222 - (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{(333+333) \times 333 - (3+3+3) \times 3}{(3+3+3) \times 3} \\ &:= \frac{(444+444) \times 444 - (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{(555+555) \times 555 - (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{(666+666) \times 666 - (6+6+6) \times 6}{(6+6+6) \times 6} \\ &:= \frac{(777+777) \times 777 - (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{(888+888) \times 888 - (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{(999+999) \times 999 - (9+9+9) \times 9}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{82213} &:= \frac{(1111+1111) \times 111 - (1+1+1) \times 1}{(1+1+1) \times 1} = \frac{(2222+2222) \times 222 - (2+2+2) \times 2}{(2+2+2) \times 2} = \frac{(3333+3333) \times 333 - (3+3+3) \times 3}{(3+3+3) \times 3} \\ &:= \frac{(4444+4444) \times 444 - (4+4+4) \times 4}{(4+4+4) \times 4} = \frac{(5555+5555) \times 555 - (5+5+5) \times 5}{(5+5+5) \times 5} = \frac{(6666+6666) \times 666 - (6+6+6) \times 6}{(6+6+6) \times 6} \\ &:= \frac{(7777+7777) \times 777 - (7+7+7) \times 7}{(7+7+7) \times 7} = \frac{(8888+8888) \times 888 - (8+8+8) \times 8}{(8+8+8) \times 8} = \frac{(9999+9999) \times 999 - (9+9+9) \times 9}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{822213} &:= \frac{(11111 + 11111) \times 111 - (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(22222 + 22222) \times 222 - (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(33333 + 33333) \times 333 - (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3} \\
 &:= \frac{(44444 + 44444) \times 444 - (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55555) \times 555 - (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66666) \times 666 - (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\
 &:= \frac{(77777 + 77777) \times 777 - (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88888) \times 888 - (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99999) \times 999 - (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{814} &:= \frac{(11 + 11) \times 111}{(1 + 1 + 1) \times 1} = \frac{(22 + 22) \times 222}{(2 + 2 + 2) \times 2} = \frac{(33 + 33) \times 333}{(3 + 3 + 3) \times 3} \\
 &:= \frac{(44 + 44) \times 444}{(4 + 4 + 4) \times 4} = \frac{(55 + 55) \times 555}{(5 + 5 + 5) \times 5} = \frac{(66 + 66) \times 666}{(6 + 6 + 6) \times 6} \\
 &:= \frac{(77 + 77) \times 777}{(7 + 7 + 7) \times 7} = \frac{(88 + 88) \times 888}{(8 + 8 + 8) \times 8} = \frac{(99 + 99) \times 999}{(9 + 9 + 9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{8214} &:= \frac{(111 + 111) \times 111}{(1 + 1 + 1) \times 1} = \frac{(222 + 222) \times 222}{(2 + 2 + 2) \times 2} = \frac{(333 + 333) \times 333}{(3 + 3 + 3) \times 3} \\
 &:= \frac{(444 + 444) \times 444}{(4 + 4 + 4) \times 4} = \frac{(555 + 555) \times 555}{(5 + 5 + 5) \times 5} = \frac{(666 + 666) \times 666}{(6 + 6 + 6) \times 6} \\
 &:= \frac{(777 + 777) \times 777}{(7 + 7 + 7) \times 7} = \frac{(888 + 888) \times 888}{(8 + 8 + 8) \times 8} = \frac{(999 + 999) \times 999}{(9 + 9 + 9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{82214} &:= \frac{(1111 + 1111) \times 111}{(1 + 1 + 1) \times 1} = \frac{(2222 + 2222) \times 222}{(2 + 2 + 2) \times 2} = \frac{(3333 + 3333) \times 333}{(3 + 3 + 3) \times 3} \\
 &:= \frac{(4444 + 4444) \times 444}{(4 + 4 + 4) \times 4} = \frac{(5555 + 5555) \times 555}{(5 + 5 + 5) \times 5} = \frac{(6666 + 6666) \times 666}{(6 + 6 + 6) \times 6} \\
 &:= \frac{(7777 + 7777) \times 777}{(7 + 7 + 7) \times 7} = \frac{(8888 + 8888) \times 888}{(8 + 8 + 8) \times 8} = \frac{(9999 + 9999) \times 999}{(9 + 9 + 9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{822214} &:= \frac{(11111 + 11111) \times 111}{(1 + 1 + 1) \times 1} = \frac{(22222 + 22222) \times 222}{(2 + 2 + 2) \times 2} = \frac{(33333 + 33333) \times 333}{(3 + 3 + 3) \times 3} \\
 &:= \frac{(44444 + 44444) \times 444}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55555) \times 555}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66666) \times 666}{(6 + 6 + 6) \times 6} \\
 &:= \frac{(77777 + 77777) \times 777}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88888) \times 888}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99999) \times 999}{(9 + 9 + 9) \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{815} &:= \frac{(11 + 11) \times 111 + (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(22 + 22) \times 222 + (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(33 + 33) \times 333 + (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3} \\
 &:= \frac{(44 + 44) \times 444 + (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(55 + 55) \times 555 + (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(66 + 66) \times 666 + (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\
 &:= \frac{(77 + 77) \times 777 + (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(88 + 88) \times 888 + (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(99 + 99) \times 999 + (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9}
 \end{aligned}$$

$$\textcolor{red}{8215} := \frac{(111 + 111) \times 111 + (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(222 + 222) \times 222 + (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(333 + 333) \times 333 + (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 444) \times 444 + (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(555 + 555) \times 555 + (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(666 + 666) \times 666 + (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777 + 777) \times 777 + (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(888 + 888) \times 888 + (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(999 + 999) \times 999 + (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{82215} &:= \frac{(1111 + 1111) \times 111 + (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(2222 + 2222) \times 222 + (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(3333 + 3333) \times 333 + (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 4444) \times 444 + (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(5555 + 5555) \times 555 + (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(6666 + 6666) \times 666 + (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 7777) \times 777 + (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(8888 + 8888) \times 888 + (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(9999 + 9999) \times 999 + (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{822215} &:= \frac{(11111 + 11111) \times 111 + (1 + 1 + 1) \times 1}{(1 + 1 + 1) \times 1} = \frac{(22222 + 22222) \times 222 + (2 + 2 + 2) \times 2}{(2 + 2 + 2) \times 2} = \frac{(33333 + 33333) \times 333 + (3 + 3 + 3) \times 3}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 44444) \times 444 + (4 + 4 + 4) \times 4}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55555) \times 555 + (5 + 5 + 5) \times 5}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66666) \times 666 + (6 + 6 + 6) \times 6}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 77777) \times 777 + (7 + 7 + 7) \times 7}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88888) \times 888 + (8 + 8 + 8) \times 8}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99999) \times 999 + (9 + 9 + 9) \times 9}{(9 + 9 + 9) \times 9} \end{aligned}$$

► **816:**
$$\begin{aligned} &\frac{(11 - 1 - 1 - 1) \times (1111 + 11)}{11 \times 1} = \frac{(22 - 2 - 2 - 2) \times (2222 + 22)}{22 \times 2} = \frac{(33 - 3 - 3 - 3) \times (3333 + 33)}{33 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times (4444 + 44)}{44 \times 4} = \frac{(55 - 5 - 5 - 5) \times (5555 + 55)}{55 \times 5} = \frac{(66 - 6 - 6 - 6) \times (6666 + 66)}{66 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times (7777 + 77)}{77 \times 7} = \frac{(88 - 8 - 8 - 8) \times (8888 + 88)}{88 \times 8} = \frac{(99 - 9 - 9 - 9) \times (9999 + 99)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{80816} &:= \frac{(11 - 1 - 1 - 1) \times (111111 + 11)}{11 \times 1} = \frac{(22 - 2 - 2 - 2) \times (222222 + 22)}{22 \times 2} = \frac{(33 - 3 - 3 - 3) \times (333333 + 33)}{33 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times (444444 + 44)}{44 \times 4} = \frac{(55 - 5 - 5 - 5) \times (555555 + 55)}{55 \times 5} = \frac{(66 - 6 - 6 - 6) \times (666666 + 66)}{66 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times (777777 + 77)}{77 \times 7} = \frac{(88 - 8 - 8 - 8) \times (888888 + 88)}{88 \times 8} = \frac{(99 - 9 - 9 - 9) \times (999999 + 99)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{8080816} &:= \frac{(11 - 1 - 1 - 1) \times (11111111 + 11)}{11 \times 1} = \frac{(22 - 2 - 2 - 2) \times (22222222 + 22)}{22 \times 2} = \frac{(33 - 3 - 3 - 3) \times (33333333 + 33)}{33 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times (44444444 + 44)}{44 \times 4} = \frac{(55 - 5 - 5 - 5) \times (55555555 + 55)}{55 \times 5} = \frac{(66 - 6 - 6 - 6) \times (66666666 + 66)}{66 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times (77777777 + 77)}{77 \times 7} = \frac{(88 - 8 - 8 - 8) \times (88888888 + 88)}{88 \times 8} = \frac{(99 - 9 - 9 - 9) \times (99999999 + 99)}{99 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{808080816} &:= \frac{(11 - 1 - 1 - 1) \times (1111111111 + 11)}{11 \times 1} = \frac{(22 - 2 - 2 - 2) \times (2222222222 + 22)}{22 \times 2} = \frac{(33 - 3 - 3 - 3) \times (3333333333 + 33)}{33 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times (4444444444 + 44)}{44 \times 4} = \frac{(55 - 5 - 5 - 5) \times (5555555555 + 55)}{55 \times 5} = \frac{(66 - 6 - 6 - 6) \times (6666666666 + 66)}{66 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times (7777777777 + 77)}{77 \times 7} = \frac{(88 - 8 - 8 - 8) \times (8888888888 + 88)}{88 \times 8} = \frac{(99 - 9 - 9 - 9) \times (9999999999 + 99)}{99 \times 9} \end{aligned}$$

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817

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111 + (11-1-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222 + (22-2-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333 + (33-3-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444 + (44-4-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555 + (55-5-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666 + (66-6-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777 + (77-7-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888 + (88-8-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999 + (99-9-9) \times 99}{9 \times 99} \end{aligned}$$

80817

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 111111 + (11-1-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 222222 + (22-2-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 333333 + (33-3-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 444444 + (44-4-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 555555 + (55-5-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 666666 + (66-6-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 777777 + (77-7-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 888888 + (88-8-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 999999 + (99-9-9) \times 99}{9 \times 99} \end{aligned}$$

8080817

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 11111111 + (11-1-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 22222222 + (22-2-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 33333333 + (33-3-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 44444444 + (44-4-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 55555555 + (55-5-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 66666666 + (66-6-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 77777777 + (77-7-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 88888888 + (88-8-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 99999999 + (99-9-9) \times 99}{9 \times 99} \end{aligned}$$

808080817

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111111111 + (11-1-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222222222 + (22-2-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333333333 + (33-3-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444444444 + (44-4-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555555555 + (55-5-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666666666 + (66-6-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777777777 + (77-7-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888888888 + (88-8-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999999999 + (99-9-9) \times 99}{9 \times 99} \end{aligned}$$

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818

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111 + (11-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222 + (22-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333 + (33-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444 + (44-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555 + (55-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666 + (66-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777 + (77-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888 + (88-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999 + (99-9) \times 99}{9 \times 99} \end{aligned}$$

80818

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 111111 + (11-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 222222 + (22-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 333333 + (33-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 444444 + (44-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 555555 + (55-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 666666 + (66-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 777777 + (77-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 888888 + (88-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 999999 + (99-9) \times 99}{9 \times 99} \end{aligned}$$

8080818

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 11111111 + (11-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 22222222 + (22-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 33333333 + (33-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 44444444 + (44-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 55555555 + (55-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 66666666 + (66-6) \times 66}{6 \times 66} \end{aligned}$$

$$\begin{aligned} &:= \frac{(77-7-7-7) \times 77777777 + (77-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 88888888 + (88-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 99999999 + (99-9) \times 99}{9 \times 99} \\ \textcolor{red}{808080818} &:= \frac{(11-1-1-1) \times 1111111111 + (11-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222222222 + (22-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333333333 + (33-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444444444 + (44-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555555555 + (55-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666666666 + (66-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777777777 + (77-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888888888 + (88-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999999999 + (99-9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{819} &:= \frac{(11-1-1-1) \times 1111 + 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222 + 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333 + 33 \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444 + 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555 + 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666 + 66 \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777 + 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888 + 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999 + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{80819} &:= \frac{(11-1-1-1) \times 111111 + 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 222222 + 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 333333 + 33 \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 444444 + 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 555555 + 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 666666 + 66 \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 777777 + 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 888888 + 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 999999 + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8080819} &:= \frac{(11-1-1-1) \times 11111111 + 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 22222222 + 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 33333333 + 33 \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 44444444 + 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 55555555 + 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 66666666 + 66 \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 77777777 + 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 88888888 + 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 99999999 + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{808080819} &:= \frac{(11-1-1-1) \times 1111111111 + 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222222222 + 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333333333 + 33 \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444444444 + 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555555555 + 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666666666 + 66 \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777777777 + 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888888888 + 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999999999 + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{808080819} &:= \frac{(11-1-1-1) \times 11111111111 + 11 \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 22222222222 + 22 \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 33333333333 + 33 \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 44444444444 + 44 \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 55555555555 + 55 \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 66666666666 + 66 \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 77777777777 + 77 \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 88888888888 + 88 \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 99999999999 + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{820} &:= \frac{(11-1-1-1) \times 1111 + (11+1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222 + (22+2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333 + (33+3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444 + (44+4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555 + (55+5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666 + (66+6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777 + (77+7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888 + (88+8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999 + (99+9) \times 99}{9 \times 99} \end{aligned}$$

80820

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 111111 + (11+1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 222222 + (22+2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 333333 + (33+3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 444444 + (44+4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 555555 + (55+5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 666666 + (66+6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 777777 + (77+7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 888888 + (88+8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 999999 + (99+9) \times 99}{9 \times 99} \end{aligned}$$

8080820

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 11111111 + (11+1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 22222222 + (22+2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 33333333 + (33+3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 44444444 + (44+4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 55555555 + (55+5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 66666666 + (66+6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 77777777 + (77+7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 88888888 + (88+8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 99999999 + (99+9) \times 99}{9 \times 99} \end{aligned}$$

808080820

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111111111 + (11+1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222222222 + (22+2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333333333 + (33+3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444444444 + (44+4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555555555 + (55+5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666666666 + (66+6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777777777 + (77+7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888888888 + (88+8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999999999 + (99+9) \times 99}{9 \times 99} \end{aligned}$$

▶ 821

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111 + (11+1+1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222 + (22+2+2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333 + (33+3+3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444 + (44+4+4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555 + (55+5+5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666 + (66+6+6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777 + (77+7+7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888 + (88+8+8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999 + (99+9+9) \times 99}{9 \times 99} \end{aligned}$$

80821

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 111111 + (11+1+1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 222222 + (22+2+2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 333333 + (33+3+3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 444444 + (44+4+4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 555555 + (55+5+5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 666666 + (66+6+6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 777777 + (77+7+7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 888888 + (88+8+8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 999999 + (99+9+9) \times 99}{9 \times 99} \end{aligned}$$

8080821

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 11111111 + (11+1+1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 22222222 + (22+2+2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 33333333 + (33+3+3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 44444444 + (44+4+4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 55555555 + (55+5+5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 66666666 + (66+6+6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 77777777 + (77+7+7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 88888888 + (88+8+8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 99999999 + (99+9+9) \times 99}{9 \times 99} \end{aligned}$$

808080821

$$\begin{aligned} &:= \frac{(11-1-1-1) \times 1111111111 + (11+1+1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222222222 + (22+2+2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333333333 + (33+3+3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444444444 + (44+4+4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555555555 + (55+5+5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666666666 + (66+6+6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777777777 + (77+7+7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888888888 + (88+8+8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999999999 + (99+9+9) \times 99}{9 \times 99} \end{aligned}$$

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822

$$\begin{aligned} &:= \frac{(1111 + 111 + 11) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 222 + 22) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 333 + 33) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 444 + 44) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 555 + 55) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 666 + 66) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 777 + 77) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 888 + 88) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 999 + 99) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

8222

$$\begin{aligned} &:= \frac{(11111 + 1111 + 111) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 2222 + 222) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 3333 + 333) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 4444 + 444) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 5555 + 555) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 6666 + 666) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 7777 + 777) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 8888 + 888) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 9999 + 999) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

82222

$$\begin{aligned} &:= \frac{(111111 + 11111 + 1111) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 22222 + 2222) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 33333 + 3333) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 44444 + 4444) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 55555 + 5555) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 66666 + 6666) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 77777 + 7777) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 88888 + 8888) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 99999 + 9999) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

822222

$$\begin{aligned} &:= \frac{(1111111 + 111111 + 11111) \times (1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222222 + 222222 + 22222) \times (2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333333 + 333333 + 33333) \times (3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444444 + 444444 + 44444) \times (4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555555 + 555555 + 55555) \times (5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666666 + 666666 + 66666) \times (6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777777 + 777777 + 77777) \times (7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888888 + 888888 + 88888) \times (8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999999 + 999999 + 99999) \times (9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

►

823

$$\begin{aligned} &:= \frac{(111 - 11) \times (11 - 1 - 1 - 1) + (11 + 11 + 1) \times 1}{1 \times 1} = \frac{(222 - 22) \times (22 - 2 - 2 - 2) + (22 + 22 + 2) \times 2}{2 \times 2} = \frac{(333 - 33) \times (33 - 3 - 3 - 3) + (33 + 33 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444 - 44) \times (44 - 4 - 4 - 4) + (44 + 44 + 4) \times 4}{4 \times 4} = \frac{(555 - 55) \times (55 - 5 - 5 - 5) + (55 + 55 + 5) \times 5}{5 \times 5} = \frac{(666 - 66) \times (66 - 6 - 6 - 6) + (66 + 66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 - 77) \times (77 - 7 - 7 - 7) + (77 + 77 + 7) \times 7}{7 \times 7} = \frac{(888 - 88) \times (88 - 8 - 8 - 8) + (88 + 88 + 8) \times 8}{8 \times 8} = \frac{(999 - 99) \times (99 - 9 - 9 - 9) + (99 + 99 + 9) \times 9}{9 \times 9} \end{aligned}$$

8823

$$\begin{aligned} &:= \frac{(1111 - 11) \times (11 - 1 - 1 - 1) + (11 + 11 + 1) \times 1}{1 \times 1} = \frac{(2222 - 22) \times (22 - 2 - 2 - 2) + (22 + 22 + 2) \times 2}{2 \times 2} = \frac{(3333 - 33) \times (33 - 3 - 3 - 3) + (33 + 33 + 3) \times 3}{3 \times 3} \\ &:= \frac{(4444 - 44) \times (44 - 4 - 4 - 4) + (44 + 44 + 4) \times 4}{4 \times 4} = \frac{(5555 - 55) \times (55 - 5 - 5 - 5) + (55 + 55 + 5) \times 5}{5 \times 5} = \frac{(6666 - 66) \times (66 - 6 - 6 - 6) + (66 + 66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(7777 - 77) \times (77 - 7 - 7 - 7) + (77 + 77 + 7) \times 7}{7 \times 7} = \frac{(8888 - 88) \times (88 - 8 - 8 - 8) + (88 + 88 + 8) \times 8}{8 \times 8} = \frac{(9999 - 99) \times (99 - 9 - 9 - 9) + (99 + 99 + 9) \times 9}{9 \times 9} \end{aligned}$$

88823

$$\begin{aligned} &:= \frac{(11111 - 11) \times (11 - 1 - 1 - 1) + (11 + 11 + 1) \times 1}{1 \times 1} = \frac{(22222 - 22) \times (22 - 2 - 2 - 2) + (22 + 22 + 2) \times 2}{2 \times 2} = \frac{(33333 - 33) \times (33 - 3 - 3 - 3) + (33 + 33 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44444 - 44) \times (44 - 4 - 4 - 4) + (44 + 44 + 4) \times 4}{4 \times 4} = \frac{(55555 - 55) \times (55 - 5 - 5 - 5) + (55 + 55 + 5) \times 5}{5 \times 5} = \frac{(66666 - 66) \times (66 - 6 - 6 - 6) + (66 + 66 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77777 - 77) \times (77 - 7 - 7 - 7) + (77 + 77 + 7) \times 7}{7 \times 7} = \frac{(88888 - 88) \times (88 - 8 - 8 - 8) + (88 + 88 + 8) \times 8}{8 \times 8} = \frac{(99999 - 99) \times (99 - 9 - 9 - 9) + (99 + 99 + 9) \times 9}{9 \times 9} \end{aligned}$$

888823

$$\begin{aligned} &:= \frac{(111111-11) \times (11-1-1-1) + (11+11+1) \times 1}{1 \times 1} = \frac{(222222-22) \times (22-2-2-2) + (22+22+2) \times 2}{2 \times 2} = \frac{(333333-33) \times (33-3-3-3) + (33+33+3) \times 3}{3 \times 3} \\ &:= \frac{(444444-44) \times (44-4-4-4) + (44+44+4) \times 4}{4 \times 4} = \frac{(555555-55) \times (55-5-5-5) + (55+55+5) \times 5}{5 \times 5} = \frac{(666666-66) \times (66-6-6-6) + (66+66+6) \times 6}{6 \times 6} \\ &:= \frac{(777777-77) \times (77-7-7-7) + (77+77+7) \times 7}{7 \times 7} = \frac{(888888-88) \times (88-8-8-8) + (88+88+8) \times 8}{8 \times 8} = \frac{(999999-99) \times (99-9-9-9) + (99+99+9) \times 9}{9 \times 9} \end{aligned}$$

► 824

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (1111+11+11)}{11 \times 1} = \frac{(22-2-2-2) \times (2222+22+22)}{22 \times 2} = \frac{(33-3-3-3) \times (3333+33+33)}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times (4444+44+44)}{44 \times 4} = \frac{(55-5-5-5) \times (5555+55+55)}{55 \times 5} = \frac{(66-6-6-6) \times (6666+66+66)}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times (7777+77+77)}{77 \times 7} = \frac{(88-8-8-8) \times (8888+88+88)}{88 \times 8} = \frac{(99-9-9-9) \times (9999+99+99)}{99 \times 9} \end{aligned}$$

80824

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (111111+11+11)}{11 \times 1} = \frac{(22-2-2-2) \times (222222+22+22)}{22 \times 2} = \frac{(33-3-3-3) \times (333333+33+33)}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times (444444+44+44)}{44 \times 4} = \frac{(55-5-5-5) \times (555555+55+55)}{55 \times 5} = \frac{(66-6-6-6) \times (666666+66+66)}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times (777777+77+77)}{77 \times 7} = \frac{(88-8-8-8) \times (888888+88+88)}{88 \times 8} = \frac{(99-9-9-9) \times (999999+99+99)}{99 \times 9} \end{aligned}$$

8080824

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (11111111+11+11)}{11 \times 1} = \frac{(22-2-2-2) \times (22222222+22+22)}{22 \times 2} = \frac{(33-3-3-3) \times (33333333+33+33)}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times (44444444+44+44)}{44 \times 4} = \frac{(55-5-5-5) \times (55555555+55+55)}{55 \times 5} = \frac{(66-6-6-6) \times (66666666+66+66)}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times (77777777+77+77)}{77 \times 7} = \frac{(88-8-8-8) \times (88888888+88+88)}{88 \times 8} = \frac{(99-9-9-9) \times (99999999+99+99)}{99 \times 9} \end{aligned}$$

808080824

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (1111111111+11+11)}{11 \times 1} = \frac{(22-2-2-2) \times (2222222222+22+22)}{22 \times 2} = \frac{(33-3-3-3) \times (3333333333+33+33)}{33 \times 3} \\ &:= \frac{(44-4-4-4) \times (4444444444+44+44)}{44 \times 4} = \frac{(55-5-5-5) \times (5555555555+55+55)}{55 \times 5} = \frac{(66-6-6-6) \times (6666666666+66+66)}{66 \times 6} \\ &:= \frac{(77-7-7-7) \times (7777777777+77+77)}{77 \times 7} = \frac{(88-8-8-8) \times (8888888888+88+88)}{88 \times 8} = \frac{(99-9-9-9) \times (9999999999+99+99)}{99 \times 9} \end{aligned}$$

► 825

$$\begin{aligned} &:= \frac{(1111-11) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(2222-22) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(3333-33) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444-44) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(5555-55) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(6666-66) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(7777-77) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(8888-88) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(9999-99) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

8325

$$:= \frac{(11111-11) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(22222-22) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(33333-33) \times (3+3+3)}{(3+3) \times (3+3)}$$

$$\begin{aligned} &:= \frac{(44444 - 44) \times (4 + 4 + 4)}{(4 + 4) \times (4 + 4)} = \frac{(55555 - 55) \times (5 + 5 + 5)}{(5 + 5) \times (5 + 5)} = \frac{(66666 - 66) \times (6 + 6 + 6)}{(6 + 6) \times (6 + 6)} \\ &:= \frac{(77777 - 77) \times (7 + 7 + 7)}{(7 + 7) \times (7 + 7)} = \frac{(88888 - 88) \times (8 + 8 + 8)}{(8 + 8) \times (8 + 8)} = \frac{(99999 - 99) \times (9 + 9 + 9)}{(9 + 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \textbf{83325} &:= \frac{(111111 - 11) \times (1 + 1 + 1)}{(1 + 1) \times (1 + 1)} = \frac{(222222 - 22) \times (2 + 2 + 2)}{(2 + 2) \times (2 + 2)} = \frac{(333333 - 33) \times (3 + 3 + 3)}{(3 + 3) \times (3 + 3)} \\ &:= \frac{(444444 - 44) \times (4 + 4 + 4)}{(4 + 4) \times (4 + 4)} = \frac{(555555 - 55) \times (5 + 5 + 5)}{(5 + 5) \times (5 + 5)} = \frac{(666666 - 66) \times (6 + 6 + 6)}{(6 + 6) \times (6 + 6)} \\ &:= \frac{(777777 - 77) \times (7 + 7 + 7)}{(7 + 7) \times (7 + 7)} = \frac{(888888 - 88) \times (8 + 8 + 8)}{(8 + 8) \times (8 + 8)} = \frac{(999999 - 99) \times (9 + 9 + 9)}{(9 + 9) \times (9 + 9)} \end{aligned}$$

$$\begin{aligned} \textbf{833325} &:= \frac{(1111111 - 11) \times (1 + 1 + 1)}{(1 + 1) \times (1 + 1)} = \frac{(2222222 - 22) \times (2 + 2 + 2)}{(2 + 2) \times (2 + 2)} = \frac{(3333333 - 33) \times (3 + 3 + 3)}{(3 + 3) \times (3 + 3)} \\ &:= \frac{(4444444 - 44) \times (4 + 4 + 4)}{(4 + 4) \times (4 + 4)} = \frac{(5555555 - 55) \times (5 + 5 + 5)}{(5 + 5) \times (5 + 5)} = \frac{(6666666 - 66) \times (6 + 6 + 6)}{(6 + 6) \times (6 + 6)} \\ &:= \frac{(7777777 - 77) \times (7 + 7 + 7)}{(7 + 7) \times (7 + 7)} = \frac{(8888888 - 88) \times (8 + 8 + 8)}{(8 + 8) \times (8 + 8)} = \frac{(9999999 - 99) \times (9 + 9 + 9)}{(9 + 9) \times (9 + 9)} \end{aligned}$$

► **826** := $\frac{11111 + 1}{11 + 1} - \frac{1111 - 11}{11} = \frac{2222 + 2}{22 + 2} - \frac{2222 - 22}{22} = \frac{3333 + 3}{33 + 3} - \frac{3333 - 33}{33}$

$$\begin{aligned} &:= \frac{44444 + 4}{44 + 4} - \frac{4444 - 44}{44} = \frac{55555 + 5}{55 + 5} - \frac{5555 - 55}{55} = \frac{66666 + 6}{66 + 6} - \frac{6666 - 66}{66} \\ &:= \frac{77777 + 7}{77 + 7} - \frac{7777 - 77}{77} = \frac{88888 + 8}{88 + 8} - \frac{8888 - 88}{88} = \frac{99999 + 9}{99 + 9} - \frac{9999 - 99}{99} \end{aligned}$$

$$\begin{aligned} \textbf{925826} &:= \frac{11111111 + 1}{11 + 1} - \frac{1111 - 11}{11} = \frac{2222222 + 2}{22 + 2} - \frac{2222 - 22}{22} = \frac{3333333 + 3}{33 + 3} - \frac{3333 - 33}{33} \\ &:= \frac{4444444 + 4}{44 + 4} - \frac{4444 - 44}{44} = \frac{5555555 + 5}{55 + 5} - \frac{5555 - 55}{55} = \frac{6666666 + 6}{66 + 6} - \frac{6666 - 66}{66} \\ &:= \frac{7777777 + 7}{77 + 7} - \frac{7777 - 77}{77} = \frac{8888888 + 8}{88 + 8} - \frac{8888 - 88}{88} = \frac{9999999 + 9}{99 + 9} - \frac{9999 - 99}{99} \end{aligned}$$

$$\begin{aligned} \textbf{925925826} &:= \frac{1111111111 + 1}{11 + 1} - \frac{1111 - 11}{11} = \frac{222222222 + 2}{22 + 2} - \frac{2222 - 22}{22} = \frac{333333333 + 3}{33 + 3} - \frac{3333 - 33}{33} \\ &:= \frac{444444444 + 4}{44 + 4} - \frac{4444 - 44}{44} = \frac{555555555 + 5}{55 + 5} - \frac{5555 - 55}{55} = \frac{666666666 + 6}{66 + 6} - \frac{6666 - 66}{66} \\ &:= \frac{777777777 + 7}{77 + 7} - \frac{7777 - 77}{77} = \frac{888888888 + 8}{88 + 8} - \frac{8888 - 88}{88} = \frac{999999999 + 9}{99 + 9} - \frac{9999 - 99}{99} \end{aligned}$$

$$\begin{aligned} \textbf{925925925826} &:= \frac{111111111111 + 1}{11 + 1} - \frac{1111 - 11}{11} = \frac{22222222222 + 2}{22 + 2} - \frac{2222 - 22}{22} = \frac{33333333333 + 3}{33 + 3} - \frac{3333 - 33}{33} \\ &:= \frac{444444444444 + 4}{44 + 4} - \frac{4444 - 44}{44} = \frac{55555555555 + 5}{55 + 5} - \frac{5555 - 55}{55} = \frac{66666666666 + 6}{66 + 6} - \frac{6666 - 66}{66} \\ &:= \frac{77777777777 + 7}{77 + 7} - \frac{7777 - 77}{77} = \frac{88888888888 + 8}{88 + 8} - \frac{8888 - 88}{88} = \frac{99999999999 + 9}{99 + 9} - \frac{9999 - 99}{99} \end{aligned}$$

► **827** :=
$$\frac{(11+1+1+1+1) \times 111 - 11 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 222 - 22 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 333 - 33 \times 3}{(3+3) \times 3}$$
$$:= \frac{(44+4+4+4+4) \times 444 - 44 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 555 - 55 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 666 - 66 \times 6}{(6+6) \times 6}$$
$$:= \frac{(77+7+7+7+7) \times 777 - 77 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 888 - 88 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 999 - 99 \times 9}{(9+9) \times 9}$$

8327 :=
$$\frac{(11+1+1+1+1) \times 1111 - 11 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 2222 - 22 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 3333 - 33 \times 3}{(3+3) \times 3}$$
$$:= \frac{(44+4+4+4+4) \times 4444 - 44 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 5555 - 55 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 6666 - 66 \times 6}{(6+6) \times 6}$$
$$:= \frac{(77+7+7+7+7) \times 7777 - 77 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 8888 - 88 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 9999 - 99 \times 9}{(9+9) \times 9}$$

83327 :=
$$\frac{(11+1+1+1+1) \times 11111 - 11 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 22222 - 22 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 33333 - 33 \times 3}{(3+3) \times 3}$$
$$:= \frac{(44+4+4+4+4) \times 44444 - 44 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 55555 - 55 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 66666 - 66 \times 6}{(6+6) \times 6}$$
$$:= \frac{(77+7+7+7+7) \times 77777 - 77 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 88888 - 88 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 99999 - 99 \times 9}{(9+9) \times 9}$$

833327 :=
$$\frac{(11+1+1+1+1) \times 111111 - 11 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 222222 - 22 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 333333 - 33 \times 3}{(3+3) \times 3}$$
$$:= \frac{(44+4+4+4+4) \times 444444 - 44 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 555555 - 55 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 666666 - 66 \times 6}{(6+6) \times 6}$$
$$:= \frac{(77+7+7+7+7) \times 777777 - 77 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 888888 - 88 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 999999 - 99 \times 9}{(9+9) \times 9}$$

► **828** :=
$$\frac{(11+11+1) \times (11+1) \times (1+1+1)}{1 \times 1 \times 1} = \frac{(22+22+2) \times (22+2) \times (2+2+2)}{2 \times 2 \times 2} = \frac{(33+33+3) \times (33+3) \times (3+3+3)}{3 \times 3 \times 3}$$
$$:= \frac{(44+44+4) \times (44+4) \times (4+4+4)}{4 \times 4 \times 4} = \frac{(55+55+5) \times (55+5) \times (5+5+5)}{5 \times 5 \times 5} = \frac{(66+66+6) \times (66+6) \times (6+6+6)}{6 \times 6 \times 6}$$
$$:= \frac{(77+77+7) \times (77+7) \times (7+7+7)}{7 \times 7 \times 7} = \frac{(88+88+8) \times (88+8) \times (8+8+8)}{8 \times 8 \times 8} = \frac{(99+99+9) \times (99+9) \times (9+9+9)}{9 \times 9 \times 9}$$

8028 :=
$$\frac{(111+111+1) \times (11+1) \times (1+1+1)}{1 \times 1 \times 1} = \frac{(222+222+2) \times (22+2) \times (2+2+2)}{2 \times 2 \times 2} = \frac{(333+333+3) \times (33+3) \times (3+3+3)}{3 \times 3 \times 3}$$
$$:= \frac{(444+444+4) \times (44+4) \times (4+4+4)}{4 \times 4 \times 4} = \frac{(555+555+5) \times (55+5) \times (5+5+5)}{5 \times 5 \times 5} = \frac{(666+666+6) \times (66+6) \times (6+6+6)}{6 \times 6 \times 6}$$
$$:= \frac{(777+777+7) \times (77+7) \times (7+7+7)}{7 \times 7 \times 7} = \frac{(888+888+8) \times (88+8) \times (8+8+8)}{8 \times 8 \times 8} = \frac{(999+999+9) \times (99+9) \times (9+9+9)}{9 \times 9 \times 9}$$

80028 :=
$$\frac{(1111+1111+1) \times (11+1) \times (1+1+1)}{1 \times 1 \times 1} = \frac{(2222+2222+2) \times (22+2) \times (2+2+2)}{2 \times 2 \times 2} = \frac{(3333+3333+3) \times (33+3) \times (3+3+3)}{3 \times 3 \times 3}$$
$$:= \frac{(4444+4444+4) \times (44+4) \times (4+4+4)}{4 \times 4 \times 4} = \frac{(5555+5555+5) \times (55+5) \times (5+5+5)}{5 \times 5 \times 5} = \frac{(6666+6666+6) \times (66+6) \times (6+6+6)}{6 \times 6 \times 6}$$

$$\begin{aligned} &:= \frac{(7777+7777+7) \times (77+7) \times (7+7+7)}{7 \times 7 \times 7} = \frac{(8888+8888+8) \times (88+8) \times (8+8+8)}{8 \times 8 \times 8} = \frac{(9999+9999+9) \times (99+9) \times (9+9+9)}{9 \times 9 \times 9} \\ \textcolor{red}{800028} &:= \frac{(11111+11111+1) \times (11+1) \times (1+1+1)}{1 \times 1 \times 1} = \frac{(22222+22222+2) \times (22+2) \times (2+2+2)}{2 \times 2 \times 2} = \frac{(33333+33333+3) \times (33+3) \times (3+3+3)}{3 \times 3 \times 3} \\ &:= \frac{(44444+44444+4) \times (44+4) \times (4+4+4)}{4 \times 4 \times 4} = \frac{(55555+55555+5) \times (55+5) \times (5+5+5)}{5 \times 5 \times 5} = \frac{(66666+66666+6) \times (66+6) \times (6+6+6)}{6 \times 6 \times 6} \\ &:= \frac{(77777+77777+7) \times (77+7) \times (7+7+7)}{7 \times 7 \times 7} = \frac{(88888+88888+8) \times (88+8) \times (8+8+8)}{8 \times 8 \times 8} = \frac{(99999+99999+9) \times (99+9) \times (9+9+9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{829} &:= \frac{(11-1-1-1) \times 1111 + (11+11-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222 + (22+22-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333 + (33+33-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444 + (44+44-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555 + (55+55-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666 + (66+66-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777 + (77+77-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888 + (88+88-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999 + (99+99-9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{80829} &:= \frac{(11-1-1-1) \times 111111 + (11+11-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 222222 + (22+22-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 333333 + (33+33-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 444444 + (44+44-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 555555 + (55+55-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 666666 + (66+66-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 777777 + (77+77-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 888888 + (88+88-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 999999 + (99+99-9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8080829} &:= \frac{(11-1-1-1) \times 11111111 + (11+11-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 22222222 + (22+22-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 33333333 + (33+33-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 44444444 + (44+44-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 55555555 + (55+55-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 66666666 + (66+66-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 77777777 + (77+77-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 88888888 + (88+88-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 99999999 + (99+99-9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{808080829} &:= \frac{(11-1-1-1) \times 1111111111 + (11+11-1) \times 11}{1 \times 11} = \frac{(22-2-2-2) \times 2222222222 + (22+22-2) \times 22}{2 \times 22} = \frac{(33-3-3-3) \times 3333333333 + (33+33-3) \times 33}{3 \times 33} \\ &:= \frac{(44-4-4-4) \times 4444444444 + (44+44-4) \times 44}{4 \times 44} = \frac{(55-5-5-5) \times 5555555555 + (55+55-5) \times 55}{5 \times 55} = \frac{(66-6-6-6) \times 6666666666 + (66+66-6) \times 66}{6 \times 66} \\ &:= \frac{(77-7-7-7) \times 7777777777 + (77+77-7) \times 77}{7 \times 77} = \frac{(88-8-8-8) \times 8888888888 + (88+88-8) \times 88}{8 \times 88} = \frac{(99-9-9-9) \times 9999999999 + (99+99-9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{830} &:= \frac{((11+1) \times (11+1) + 11 \times (1+1)) \times (11-1)}{1 \times 1 \times (1+1)} = \frac{((22+2) \times (22+2) + 22 \times (2+2)) \times (22-2)}{2 \times 2 \times (2+2)} = \frac{((33+3) \times (33+3) + 33 \times (3+3)) \times (33-3)}{3 \times 3 \times (3+3)} \\ &:= \frac{((44+4) \times (44+4) + 44 \times (4+4)) \times (44-4)}{4 \times 4 \times (4+4)} = \frac{((55+5) \times (55+5) + 55 \times (5+5)) \times (55-5)}{5 \times 5 \times (5+5)} = \frac{((66+6) \times (66+6) + 66 \times (6+6)) \times (66-6)}{6 \times 6 \times (6+6)} \\ &:= \frac{((77+7) \times (77+7) + 77 \times (7+7)) \times (77-7)}{7 \times 7 \times (7+7)} = \frac{((88+8) \times (88+8) + 88 \times (8+8)) \times (88-8)}{8 \times 8 \times (8+8)} = \frac{((99+9) \times (99+9) + 99 \times (9+9)) \times (99-9)}{9 \times 9 \times (9+9)} \end{aligned}$$

$$\textcolor{red}{6830} := \frac{((111+1) \times (11+1) + 11 \times (1+1)) \times (11-1)}{1 \times 1 \times (1+1)} = \frac{((222+2) \times (22+2) + 22 \times (2+2)) \times (22-2)}{2 \times 2 \times (2+2)} = \frac{((333+3) \times (33+3) + 33 \times (3+3)) \times (33-3)}{3 \times 3 \times (3+3)}$$

$$\begin{aligned} &:= \frac{((444+4) \times (44+4) + 44 \times (4+4)) \times (44-4)}{4 \times 4 \times (4+4)} = \frac{((555+5) \times (55+5) + 55 \times (5+5)) \times (55-5)}{5 \times 5 \times (5+5)} = \frac{((666+6) \times (66+6) + 66 \times (6+6)) \times (66-6)}{6 \times 6 \times (6+6)} \\ &:= \frac{((777+7) \times (77+7) + 77 \times (7+7)) \times (77-7)}{7 \times 7 \times (7+7)} = \frac{((888+8) \times (88+8) + 88 \times (8+8)) \times (88-8)}{8 \times 8 \times (8+8)} = \frac{((999+9) \times (99+9) + 99 \times (9+9)) \times (99-9)}{9 \times 9 \times (9+9)} \end{aligned}$$

66830

$$\begin{aligned} &:= \frac{((1111+1) \times (11+1) + 11 \times (1+1)) \times (11-1)}{1 \times 1 \times (1+1)} = \frac{((2222+2) \times (22+2) + 22 \times (2+2)) \times (22-2)}{2 \times 2 \times (2+2)} = \frac{((3333+3) \times (33+3) + 33 \times (3+3)) \times (33-3)}{3 \times 3 \times (3+3)} \\ &:= \frac{((4444+4) \times (44+4) + 44 \times (4+4)) \times (44-4)}{4 \times 4 \times (4+4)} = \frac{((5555+5) \times (55+5) + 55 \times (5+5)) \times (55-5)}{5 \times 5 \times (5+5)} = \frac{((6666+6) \times (66+6) + 66 \times (6+6)) \times (66-6)}{6 \times 6 \times (6+6)} \\ &:= \frac{((7777+7) \times (77+7) + 77 \times (7+7)) \times (77-7)}{7 \times 7 \times (7+7)} = \frac{((8888+8) \times (88+8) + 88 \times (8+8)) \times (88-8)}{8 \times 8 \times (8+8)} = \frac{((9999+9) \times (99+9) + 99 \times (9+9)) \times (99-9)}{9 \times 9 \times (9+9)} \end{aligned}$$

666830

$$\begin{aligned} &:= \frac{((11111+1) \times (11+1) + 11 \times (1+1)) \times (11-1)}{1 \times 1 \times (1+1)} = \frac{((22222+2) \times (22+2) + 22 \times (2+2)) \times (22-2)}{2 \times 2 \times (2+2)} = \frac{((33333+3) \times (33+3) + 33 \times (3+3)) \times (33-3)}{3 \times 3 \times (3+3)} \\ &:= \frac{((44444+4) \times (44+4) + 44 \times (4+4)) \times (44-4)}{4 \times 4 \times (4+4)} = \frac{((55555+5) \times (55+5) + 55 \times (5+5)) \times (55-5)}{5 \times 5 \times (5+5)} = \frac{((66666+6) \times (66+6) + 66 \times (6+6)) \times (66-6)}{6 \times 6 \times (6+6)} \\ &:= \frac{((77777+7) \times (77+7) + 77 \times (7+7)) \times (77-7)}{7 \times 7 \times (7+7)} = \frac{((88888+8) \times (88+8) + 88 \times (8+8)) \times (88-8)}{8 \times 8 \times (8+8)} = \frac{((99999+9) \times (99+9) + 99 \times (9+9)) \times (99-9)}{9 \times 9 \times (9+9)} \end{aligned}$$

► 831

$$\begin{aligned} &:= \frac{(1111-1-1-1) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(2222-2-2-2) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(3333-3-3-3) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444-4-4-4) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(5555-5-5-5) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(6666-6-6-6) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(7777-7-7-7) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(8888-8-8-8) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(9999-9-9-9) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

8331

$$\begin{aligned} &:= \frac{(11111-1-1-1) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(22222-2-2-2) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(33333-3-3-3) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(44444-4-4-4) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(55555-5-5-5) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(66666-6-6-6) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(77777-7-7-7) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(88888-8-8-8) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(99999-9-9-9) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

83331

$$\begin{aligned} &:= \frac{(111111-1-1-1) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(222222-2-2-2) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(333333-3-3-3) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(444444-4-4-4) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(555555-5-5-5) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(666666-6-6-6) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(777777-7-7-7) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(888888-8-8-8) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(999999-9-9-9) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

833331

$$\begin{aligned} &:= \frac{(1111111-1-1-1) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(2222222-2-2-2) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(3333333-3-3-3) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444444-4-4-4) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(5555555-5-5-5) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(6666666-6-6-6) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(7777777-7-7-7) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(8888888-8-8-8) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(9999999-9-9-9) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 832 &:= \frac{(11+1+1+1+1) \times 111 - 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 222 - 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 333 - 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 444 - 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 555 - 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 666 - 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 777 - 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 888 - 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 999 - 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 8332 &:= \frac{(11+1+1+1+1) \times 1111 - 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 2222 - 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 3333 - 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 4444 - 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 5555 - 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 6666 - 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 7777 - 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 8888 - 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 9999 - 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 83332 &:= \frac{(11+1+1+1+1) \times 11111 - 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 22222 - 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 33333 - 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 44444 - 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 55555 - 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 66666 - 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 77777 - 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 88888 - 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 99999 - 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 833332 &:= \frac{(11+1+1+1+1) \times 111111 - 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 222222 - 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 333333 - 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 444444 - 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 555555 - 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 666666 - 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 777777 - 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 888888 - 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 999999 - 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad 833 &:= \frac{(11+1+1+1+1) \times 111 + 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 222 + 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 333 + 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 444 + 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 555 + 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 666 + 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 777 + 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 888 + 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 999 + 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$\begin{aligned} 8333 &:= \frac{(11+1+1+1+1) \times 1111 + 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 2222 + 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 3333 + 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 4444 + 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 5555 + 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 6666 + 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 7777 + 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 8888 + 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 9999 + 9 \times 9}{(9+9) \times 9} \end{aligned}$$

$$83333 := \frac{(11+1+1+1+1) \times 11111 + 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 22222 + 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 33333 + 3 \times 3}{(3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(44+4+4+4+4) \times 44444 + 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 55555 + 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 66666 + 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 77777 + 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 88888 + 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 99999 + 9 \times 9}{(9+9) \times 9} \end{aligned}$$

833333

$$\begin{aligned} &:= \frac{(11+1+1+1+1) \times 111111 + 1 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 222222 + 2 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 333333 + 3 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 444444 + 4 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 555555 + 5 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 666666 + 6 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 777777 + 7 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 888888 + 8 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 999999 + 9 \times 9}{(9+9) \times 9} \end{aligned}$$

► 834

$$\begin{aligned} &:= \frac{(1111+1) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(2222+2) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(3333+3) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444+4) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(5555+5) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(6666+6) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(7777+7) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(8888+8) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(9999+9) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

8334

$$\begin{aligned} &:= \frac{(11111+1) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(22222+2) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(33333+3) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(44444+4) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(55555+5) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(66666+6) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(77777+7) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(88888+8) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(99999+9) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

83334

$$\begin{aligned} &:= \frac{(111111+1) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(222222+2) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(333333+3) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(444444+4) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(555555+5) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(666666+6) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(777777+7) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(888888+8) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(999999+9) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

833334

$$\begin{aligned} &:= \frac{(1111111+1) \times (1+1+1)}{(1+1) \times (1+1)} = \frac{(2222222+2) \times (2+2+2)}{(2+2) \times (2+2)} = \frac{(3333333+3) \times (3+3+3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444444+4) \times (4+4+4)}{(4+4) \times (4+4)} = \frac{(5555555+5) \times (5+5+5)}{(5+5) \times (5+5)} = \frac{(6666666+6) \times (6+6+6)}{(6+6) \times (6+6)} \\ &:= \frac{(7777777+7) \times (7+7+7)}{(7+7) \times (7+7)} = \frac{(8888888+8) \times (8+8+8)}{(8+8) \times (8+8)} = \frac{(9999999+9) \times (9+9+9)}{(9+9) \times (9+9)} \end{aligned}$$

► 835

$$\begin{aligned} &:= \frac{(1111+1) \times (11-1-1) + 1 \times (11+1)}{1 \times (11+1)} = \frac{(2222+2) \times (22-2-2) + 2 \times (22+2)}{2 \times (22+2)} = \frac{(3333+3) \times (33-3-3) + 3 \times (33+3)}{3 \times (33+3)} \\ &:= \frac{(4444+4) \times (44-4-4) + 4 \times (44+4)}{4 \times (44+4)} = \frac{(5555+5) \times (55-5-5) + 5 \times (55+5)}{5 \times (55+5)} = \frac{(6666+6) \times (66-6-6) + 6 \times (66+6)}{6 \times (66+6)} \end{aligned}$$

$$:= \frac{(7777+7) \times (77-7-7) + 7 \times (77+7)}{7 \times (77+7)} = \frac{(8888+8) \times (88-8-8) + 8 \times (88+8)}{8 \times (88+8)} = \frac{(9999+9) \times (99-9-9) + 9 \times (99+9)}{9 \times (99+9)}$$

8335 := $\frac{(11111+1) \times (11-1-1) + 1 \times (11+1)}{1 \times (11+1)} = \frac{(22222+2) \times (22-2-2) + 2 \times (22+2)}{2 \times (22+2)} = \frac{(33333+3) \times (33-3-3) + 3 \times (33+3)}{3 \times (33+3)}$

$$:= \frac{(44444+4) \times (44-4-4) + 4 \times (44+4)}{4 \times (44+4)} = \frac{(55555+5) \times (55-5-5) + 5 \times (55+5)}{5 \times (55+5)} = \frac{(66666+6) \times (66-6-6) + 6 \times (66+6)}{6 \times (66+6)}$$
$$:= \frac{(77777+7) \times (77-7-7) + 7 \times (77+7)}{7 \times (77+7)} = \frac{(88888+8) \times (88-8-8) + 8 \times (88+8)}{8 \times (88+8)} = \frac{(99999+9) \times (99-9-9) + 9 \times (99+9)}{9 \times (99+9)}$$

83335 := $\frac{(111111+1) \times (11-1-1) + 1 \times (11+1)}{1 \times (11+1)} = \frac{(222222+2) \times (22-2-2) + 2 \times (22+2)}{2 \times (22+2)} = \frac{(333333+3) \times (33-3-3) + 3 \times (33+3)}{3 \times (33+3)}$

$$:= \frac{(444444+4) \times (44-4-4) + 4 \times (44+4)}{4 \times (44+4)} = \frac{(555555+5) \times (55-5-5) + 5 \times (55+5)}{5 \times (55+5)} = \frac{(666666+6) \times (66-6-6) + 6 \times (66+6)}{6 \times (66+6)}$$
$$:= \frac{(777777+7) \times (77-7-7) + 7 \times (77+7)}{7 \times (77+7)} = \frac{(888888+8) \times (88-8-8) + 8 \times (88+8)}{8 \times (88+8)} = \frac{(999999+9) \times (99-9-9) + 9 \times (99+9)}{9 \times (99+9)}$$

833335 := $\frac{(1111111+1) \times (11-1-1) + 1 \times (11+1)}{1 \times (11+1)} = \frac{(2222222+2) \times (22-2-2) + 2 \times (22+2)}{2 \times (22+2)} = \frac{(3333333+3) \times (33-3-3) + 3 \times (33+3)}{3 \times (33+3)}$

$$:= \frac{(4444444+4) \times (44-4-4) + 4 \times (44+4)}{4 \times (44+4)} = \frac{(5555555+5) \times (55-5-5) + 5 \times (55+5)}{5 \times (55+5)} = \frac{(6666666+6) \times (66-6-6) + 6 \times (66+6)}{6 \times (66+6)}$$
$$:= \frac{(7777777+7) \times (77-7-7) + 7 \times (77+7)}{7 \times (77+7)} = \frac{(8888888+8) \times (88-8-8) + 8 \times (88+8)}{8 \times (88+8)} = \frac{(9999999+9) \times (99-9-9) + 9 \times (99+9)}{9 \times (99+9)}$$

► **836** := $\frac{(111+1+1+1) \times (11+11)}{(1+1+1) \times 1} = \frac{(222+2+2+2) \times (22+22)}{(2+2+2) \times 2} = \frac{(333+3+3+3) \times (33+33)}{(3+3+3) \times 3}$

$$:= \frac{(444+4+4+4) \times (44+44)}{(4+4+4) \times 4} = \frac{(555+5+5+5) \times (55+55)}{(5+5+5) \times 5} = \frac{(666+6+6+6) \times (66+66)}{(6+6+6) \times 6}$$
$$:= \frac{(777+7+7+7) \times (77+77)}{(7+7+7) \times 7} = \frac{(888+8+8+8) \times (88+88)}{(8+8+8) \times 8} = \frac{(999+9+9+9) \times (99+99)}{(9+9+9) \times 9}$$

8436 := $\frac{(111+1+1+1) \times (111+111)}{(1+1+1) \times 1} = \frac{(222+2+2+2) \times (222+222)}{(2+2+2) \times 2} = \frac{(333+3+3+3) \times (333+333)}{(3+3+3) \times 3}$

$$:= \frac{(444+4+4+4) \times (444+444)}{(4+4+4) \times 4} = \frac{(555+5+5+5) \times (555+555)}{(5+5+5) \times 5} = \frac{(666+6+6+6) \times (666+666)}{(6+6+6) \times 6}$$
$$:= \frac{(777+7+7+7) \times (777+777)}{(7+7+7) \times 7} = \frac{(888+8+8+8) \times (888+888)}{(8+8+8) \times 8} = \frac{(999+9+9+9) \times (999+999)}{(9+9+9) \times 9}$$

84436 := $\frac{(111+1+1+1) \times (1111+1111)}{(1+1+1) \times 1} = \frac{(222+2+2+2) \times (2222+2222)}{(2+2+2) \times 2} = \frac{(333+3+3+3) \times (3333+3333)}{(3+3+3) \times 3}$

$$:= \frac{(444+4+4+4) \times (4444+4444)}{(4+4+4) \times 4} = \frac{(555+5+5+5) \times (5555+5555)}{(5+5+5) \times 5} = \frac{(666+6+6+6) \times (6666+6666)}{(6+6+6) \times 6}$$
$$:= \frac{(777+7+7+7) \times (7777+7777)}{(7+7+7) \times 7} = \frac{(888+8+8+8) \times (8888+8888)}{(8+8+8) \times 8} = \frac{(999+9+9+9) \times (9999+9999)}{(9+9+9) \times 9}$$

844436

$$\begin{aligned} &:= \frac{(111+1+1+1) \times (11111+11111)}{(1+1+1) \times 1} = \frac{(222+2+2+2) \times (22222+22222)}{(2+2+2) \times 2} = \frac{(333+3+3+3) \times (33333+33333)}{(3+3+3) \times 3} \\ &:= \frac{(444+4+4+4) \times (44444+44444)}{(4+4+4) \times 4} = \frac{(555+5+5+5) \times (55555+55555)}{(5+5+5) \times 5} = \frac{(666+6+6+6) \times (66666+66666)}{(6+6+6) \times 6} \\ &:= \frac{(777+7+7+7) \times (77777+77777)}{(7+7+7) \times 7} = \frac{(888+8+8+8) \times (88888+88888)}{(8+8+8) \times 8} = \frac{(999+9+9+9) \times (99999+99999)}{(9+9+9) \times 9} \end{aligned}$$

► 837

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (111+111+11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (222+222+22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (333+333+33-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (444+444+44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (555+555+55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (666+666+66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (777+777+77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (888+888+88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (999+999+99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

2837

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (1111+1111+11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (2222+2222+22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (3333+3333+33-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (4444+4444+44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (5555+5555+55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (6666+6666+66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (7777+7777+77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (8888+8888+88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (9999+9999+99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

22837

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (11111+11111+11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (22222+22222+22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (33333+33333+33-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (44444+44444+44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (55555+55555+55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (66666+66666+66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (77777+77777+77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (88888+88888+88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (99999+99999+99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

222837

$$\begin{aligned} &:= \frac{(111-1) \times 11 + (111111+111111+11-1) \times (1+1)}{(1+1) \times 1} = \frac{(222-2) \times 22 + (222222+222222+22-2) \times (2+2)}{(2+2) \times 2} = \frac{(333-3) \times 33 + (333333+333333+33-3) \times (3+3)}{(3+3) \times 3} \\ &:= \frac{(444-4) \times 44 + (444444+444444+44-4) \times (4+4)}{(4+4) \times 4} = \frac{(555-5) \times 55 + (555555+555555+55-5) \times (5+5)}{(5+5) \times 5} = \frac{(666-6) \times 66 + (666666+666666+66-6) \times (6+6)}{(6+6) \times 6} \\ &:= \frac{(777-7) \times 77 + (777777+777777+77-7) \times (7+7)}{(7+7) \times 7} = \frac{(888-8) \times 88 + (888888+888888+88-8) \times (8+8)}{(8+8) \times 8} = \frac{(999-9) \times 99 + (999999+999999+99-9) \times (9+9)}{(9+9) \times 9} \end{aligned}$$

► 838

$$\begin{aligned} &:= \frac{(11+1+1+1+1) \times 111+11 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 222+22 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 333+33 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 444+44 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 555+55 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 666+66 \times 6}{(6+6) \times 6} \\ &:= \frac{(77+7+7+7+7) \times 777+77 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 888+88 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 999+99 \times 9}{(9+9) \times 9} \end{aligned}$$

8338

$$\begin{aligned} &:= \frac{(11+1+1+1+1) \times 1111+11 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 2222+22 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 3333+33 \times 3}{(3+3) \times 3} \\ &:= \frac{(44+4+4+4+4) \times 4444+44 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 5555+55 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 6666+66 \times 6}{(6+6) \times 6} \end{aligned}$$

$$:= \frac{(77+7+7+7+7) \times 7777 + 77 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 8888 + 88 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 9999 + 99 \times 9}{(9+9) \times 9}$$

83338 := $\frac{(11+1+1+1+1) \times 11111 + 11 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 22222 + 22 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 33333 + 33 \times 3}{(3+3) \times 3}$

:= $\frac{(44+4+4+4+4) \times 44444 + 44 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 55555 + 55 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 66666 + 66 \times 6}{(6+6) \times 6}$

:= $\frac{(77+7+7+7+7) \times 77777 + 77 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 88888 + 88 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 99999 + 99 \times 9}{(9+9) \times 9}$

833338 := $\frac{(11+1+1+1+1) \times 111111 + 11 \times 1}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times 222222 + 22 \times 2}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times 333333 + 33 \times 3}{(3+3) \times 3}$

:= $\frac{(44+4+4+4+4) \times 444444 + 44 \times 4}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times 555555 + 55 \times 5}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times 666666 + 66 \times 6}{(6+6) \times 6}$

:= $\frac{(77+7+7+7+7) \times 777777 + 77 \times 7}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times 888888 + 88 \times 8}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times 999999 + 99 \times 9}{(9+9) \times 9}$

► **839** := $\frac{(111+1) \times (11+1+1) + 111 \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times (22+2+2) + 222 \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times (33+3+3) + 333 \times (3+3)}{(3+3) \times 3}$

:= $\frac{(444+4) \times (44+4+4) + 444 \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times (55+5+5) + 555 \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times (66+6+6) + 666 \times (6+6)}{(6+6) \times 6}$

:= $\frac{(777+7) \times (77+7+7) + 777 \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times (88+8+8) + 888 \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times (99+9+9) + 999 \times (9+9)}{(9+9) \times 9}$

1839 := $\frac{(111+1) \times (11+1+1) + 1111 \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times (22+2+2) + 2222 \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times (33+3+3) + 3333 \times (3+3)}{(3+3) \times 3}$

:= $\frac{(444+4) \times (44+4+4) + 4444 \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times (55+5+5) + 5555 \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times (66+6+6) + 6666 \times (6+6)}{(6+6) \times 6}$

:= $\frac{(777+7) \times (77+7+7) + 7777 \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times (88+8+8) + 8888 \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times (99+9+9) + 9999 \times (9+9)}{(9+9) \times 9}$

11839 := $\frac{(111+1) \times (11+1+1) + 11111 \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times (22+2+2) + 22222 \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times (33+3+3) + 33333 \times (3+3)}{(3+3) \times 3}$

:= $\frac{(444+4) \times (44+4+4) + 44444 \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times (55+5+5) + 55555 \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times (66+6+6) + 66666 \times (6+6)}{(6+6) \times 6}$

:= $\frac{(777+7) \times (77+7+7) + 77777 \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times (88+8+8) + 88888 \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times (99+9+9) + 99999 \times (9+9)}{(9+9) \times 9}$

111839 := $\frac{(111+1) \times (11+1+1) + 111111 \times (1+1)}{(1+1) \times 1} = \frac{(222+2) \times (22+2+2) + 222222 \times (2+2)}{(2+2) \times 2} = \frac{(333+3) \times (33+3+3) + 333333 \times (3+3)}{(3+3) \times 3}$

:= $\frac{(444+4) \times (44+4+4) + 444444 \times (4+4)}{(4+4) \times 4} = \frac{(555+5) \times (55+5+5) + 555555 \times (5+5)}{(5+5) \times 5} = \frac{(666+6) \times (66+6+6) + 666666 \times (6+6)}{(6+6) \times 6}$

:= $\frac{(777+7) \times (77+7+7) + 777777 \times (7+7)}{(7+7) \times 7} = \frac{(888+8) \times (88+8+8) + 888888 \times (8+8)}{(8+8) \times 8} = \frac{(999+9) \times (99+9+9) + 999999 \times (9+9)}{(9+9) \times 9}$

► **840** :=
$$\frac{(111 + 111 - 11 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 222 - 22 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 333 - 33 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{(444 + 444 - 44 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 555 - 55 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 666 - 66 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{(777 + 777 - 77 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 888 - 88 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 999 - 99 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9}$$

7840 :=
$$\frac{(111 + 111 - 11 - 1) \times (111 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 222 - 22 - 2) \times (222 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 333 - 33 - 3) \times (333 + 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{(444 + 444 - 44 - 4) \times (444 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 555 - 55 - 5) \times (555 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 666 - 66 - 6) \times (666 + 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{(777 + 777 - 77 - 7) \times (777 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 888 - 88 - 8) \times (888 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 999 - 99 - 9) \times (999 + 9)}{(9 + 9 + 9) \times 9}$$

77840 :=
$$\frac{(111 + 111 - 11 - 1) \times (1111 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 222 - 22 - 2) \times (2222 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 333 - 33 - 3) \times (3333 + 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{(444 + 444 - 44 - 4) \times (4444 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 555 - 55 - 5) \times (5555 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 666 - 66 - 6) \times (6666 + 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{(777 + 777 - 77 - 7) \times (7777 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 888 - 88 - 8) \times (8888 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 999 - 99 - 9) \times (9999 + 9)}{(9 + 9 + 9) \times 9}$$

777840 :=
$$\frac{(111 + 111 - 11 - 1) \times (11111 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 222 - 22 - 2) \times (22222 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 333 - 33 - 3) \times (33333 + 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{(444 + 444 - 44 - 4) \times (44444 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 555 - 55 - 5) \times (55555 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 666 - 66 - 6) \times (66666 + 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{(777 + 777 - 77 - 7) \times (77777 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 888 - 88 - 8) \times (88888 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 999 - 99 - 9) \times (99999 + 9)}{(9 + 9 + 9) \times 9}$$

► **841** :=
$$\frac{(11 + 1 + 1 + 1 + 1) \times (111 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (222 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (333 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(44 + 4 + 4 + 4 + 4) \times (444 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (555 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (666 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(77 + 7 + 7 + 7 + 7) \times (777 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (888 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (999 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9}$$

8341 :=
$$\frac{(11 + 1 + 1 + 1 + 1) \times (1111 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (2222 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (3333 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(44 + 4 + 4 + 4 + 4) \times (4444 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (5555 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (6666 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6}$$
$$:= \frac{(77 + 7 + 7 + 7 + 7) \times (7777 + 7) + 7 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88 + 8 + 8 + 8 + 8) \times (8888 + 8) + 8 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99 + 9 + 9 + 9 + 9) \times (9999 + 9) + 9 \times (9 + 9)}{(9 + 9) \times 9}$$

83341 :=
$$\frac{(11 + 1 + 1 + 1 + 1) \times (11111 + 1) + 1 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22 + 2 + 2 + 2 + 2) \times (22222 + 2) + 2 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33 + 3 + 3 + 3 + 3) \times (33333 + 3) + 3 \times (3 + 3)}{(3 + 3) \times 3}$$
$$:= \frac{(44 + 4 + 4 + 4 + 4) \times (44444 + 4) + 4 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55 + 5 + 5 + 5 + 5) \times (55555 + 5) + 5 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66 + 6 + 6 + 6 + 6) \times (66666 + 6) + 6 \times (6 + 6)}{(6 + 6) \times 6}$$

$$:= \frac{(77+7+7+7+7) \times (77777+7) + 7 \times (7+7)}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times (88888+8) + 8 \times (8+8)}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times (99999+9) + 9 \times (9+9)}{(9+9) \times 9}$$

833341

$$:= \frac{(11+1+1+1+1) \times (111111+1) + 1 \times (1+1)}{(1+1) \times 1} = \frac{(22+2+2+2+2) \times (222222+2) + 2 \times (2+2)}{(2+2) \times 2} = \frac{(33+3+3+3+3) \times (333333+3) + 3 \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(44+4+4+4+4) \times (444444+4) + 4 \times (4+4)}{(4+4) \times 4} = \frac{(55+5+5+5+5) \times (555555+5) + 5 \times (5+5)}{(5+5) \times 5} = \frac{(66+6+6+6+6) \times (666666+6) + 6 \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(77+7+7+7+7) \times (777777+7) + 7 \times (7+7)}{(7+7) \times 7} = \frac{(88+8+8+8+8) \times (888888+8) + 8 \times (8+8)}{(8+8) \times 8} = \frac{(99+9+9+9+9) \times (999999+9) + 9 \times (9+9)}{(9+9) \times 9}$$

► 842

$$:= \frac{(111+11) \times (11+1) + (111-1) \times (1+1)}{(1+1) \times 1} = \frac{(222+22) \times (22+2) + (222-2) \times (2+2)}{(2+2) \times 2} = \frac{(333+33) \times (33+3) + (333-3) \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(444+44) \times (44+4) + (444-4) \times (4+4)}{(4+4) \times 4} = \frac{(555+55) \times (55+5) + (555-5) \times (5+5)}{(5+5) \times 5} = \frac{(666+66) \times (66+6) + (666-6) \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(777+77) \times (77+7) + (777-7) \times (7+7)}{(7+7) \times 7} = \frac{(888+88) \times (88+8) + (888-8) \times (8+8)}{(8+8) \times 8} = \frac{(999+99) \times (99+9) + (999-9) \times (9+9)}{(9+9) \times 9}$$

6842

$$:= \frac{(1111+11) \times (11+1) + (111-1) \times (1+1)}{(1+1) \times 1} = \frac{(2222+22) \times (22+2) + (222-2) \times (2+2)}{(2+2) \times 2} = \frac{(3333+33) \times (33+3) + (333-3) \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(4444+44) \times (44+4) + (444-4) \times (4+4)}{(4+4) \times 4} = \frac{(5555+55) \times (55+5) + (555-5) \times (5+5)}{(5+5) \times 5} = \frac{(6666+66) \times (66+6) + (666-6) \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(7777+77) \times (77+7) + (777-7) \times (7+7)}{(7+7) \times 7} = \frac{(8888+88) \times (88+8) + (888-8) \times (8+8)}{(8+8) \times 8} = \frac{(9999+99) \times (99+9) + (999-9) \times (9+9)}{(9+9) \times 9}$$

66842

$$:= \frac{(11111+11) \times (11+1) + (111-1) \times (1+1)}{(1+1) \times 1} = \frac{(22222+22) \times (22+2) + (222-2) \times (2+2)}{(2+2) \times 2} = \frac{(33333+33) \times (33+3) + (333-3) \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(44444+44) \times (44+4) + (444-4) \times (4+4)}{(4+4) \times 4} = \frac{(55555+55) \times (55+5) + (555-5) \times (5+5)}{(5+5) \times 5} = \frac{(66666+66) \times (66+6) + (666-6) \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(77777+77) \times (77+7) + (777-7) \times (7+7)}{(7+7) \times 7} = \frac{(88888+88) \times (88+8) + (888-8) \times (8+8)}{(8+8) \times 8} = \frac{(99999+99) \times (99+9) + (999-9) \times (9+9)}{(9+9) \times 9}$$

666842

$$:= \frac{(111111+11) \times (11+1) + (111-1) \times (1+1)}{(1+1) \times 1} = \frac{(222222+22) \times (22+2) + (222-2) \times (2+2)}{(2+2) \times 2} = \frac{(333333+33) \times (33+3) + (333-3) \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(444444+44) \times (44+4) + (444-4) \times (4+4)}{(4+4) \times 4} = \frac{(555555+55) \times (55+5) + (555-5) \times (5+5)}{(5+5) \times 5} = \frac{(666666+66) \times (66+6) + (666-6) \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(777777+77) \times (77+7) + (777-7) \times (7+7)}{(7+7) \times 7} = \frac{(888888+88) \times (88+8) + (888-8) \times (8+8)}{(8+8) \times 8} = \frac{(999999+99) \times (99+9) + (999-9) \times (9+9)}{(9+9) \times 9}$$

► 843

$$:= \frac{(111+11) \times (11+1) + 111 \times (1+1)}{(1+1) \times 1} = \frac{(222+22) \times (22+2) + 222 \times (2+2)}{(2+2) \times 2} = \frac{(333+33) \times (33+3) + 333 \times (3+3)}{(3+3) \times 3}$$
$$:= \frac{(444+44) \times (44+4) + 444 \times (4+4)}{(4+4) \times 4} = \frac{(555+55) \times (55+5) + 555 \times (5+5)}{(5+5) \times 5} = \frac{(666+66) \times (66+6) + 666 \times (6+6)}{(6+6) \times 6}$$
$$:= \frac{(777+77) \times (77+7) + 777 \times (7+7)}{(7+7) \times 7} = \frac{(888+88) \times (88+8) + 888 \times (8+8)}{(8+8) \times 8} = \frac{(999+99) \times (99+9) + 999 \times (9+9)}{(9+9) \times 9}$$

6843

$$\begin{aligned} &:= \frac{(1111 + 11) \times (11 + 1) + 111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22) \times (22 + 2) + 222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33) \times (33 + 3) + 333 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 44) \times (44 + 4) + 444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55) \times (55 + 5) + 555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66) \times (66 + 6) + 666 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 77) \times (77 + 7) + 777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88) \times (88 + 8) + 888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99) \times (99 + 9) + 999 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

66843

$$\begin{aligned} &:= \frac{(11111 + 11) \times (11 + 1) + 111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22) \times (22 + 2) + 222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33) \times (33 + 3) + 333 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 44) \times (44 + 4) + 444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55) \times (55 + 5) + 555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66) \times (66 + 6) + 666 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77) \times (77 + 7) + 777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88) \times (88 + 8) + 888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99) \times (99 + 9) + 999 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

666843

$$\begin{aligned} &:= \frac{(111111 + 11) \times (11 + 1) + 111 \times (1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22) \times (22 + 2) + 222 \times (2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33) \times (33 + 3) + 333 \times (3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44) \times (44 + 4) + 444 \times (4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55) \times (55 + 5) + 555 \times (5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66) \times (66 + 6) + 666 \times (6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77) \times (77 + 7) + 777 \times (7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88) \times (88 + 8) + 888 \times (8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99) \times (99 + 9) + 999 \times (9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

► 844

$$\begin{aligned} &:= \frac{(111 + 111 - 11) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 222 - 22) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 333 - 33) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444 + 444 - 44) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 555 - 55) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 666 - 66) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777 + 777 - 77) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 888 - 88) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 999 - 99) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

4844

$$\begin{aligned} &:= \frac{(1111 + 111 - 11) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 222 - 22) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 333 - 33) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 444 - 44) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 555 - 55) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 666 - 66) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 777 - 77) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 888 - 88) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 999 - 99) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

44844

$$\begin{aligned} &:= \frac{(11111 + 111 - 11) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 222 - 22) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 333 - 33) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 444 - 44) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 555 - 55) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 666 - 66) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 777 - 77) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 888 - 88) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 999 - 99) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

444844

$$:= \frac{(111111 + 111 - 11) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 222 - 22) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 333 - 33) \times (33 + 3)}{(3 + 3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(444444 + 444 - 44) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 555 - 55) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 666 - 66) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 777 - 77) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 888 - 88) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 999 - 99) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

► **845** := $\frac{((11 + 1) \times 11 - 1 \times (1 + 1)) \times (11 + 1 + 1)}{1 \times 1 \times (1 + 1)} = \frac{((22 + 2) \times 22 - 2 \times (2 + 2)) \times (22 + 2 + 2)}{2 \times 2 \times (2 + 2)} = \frac{((33 + 3) \times 33 - 3 \times (3 + 3)) \times (33 + 3 + 3)}{3 \times 3 \times (3 + 3)}$

$$\begin{aligned} &:= \frac{((44 + 4) \times 44 - 4 \times (4 + 4)) \times (44 + 4 + 4)}{4 \times 4 \times (4 + 4)} = \frac{((55 + 5) \times 55 - 5 \times (5 + 5)) \times (55 + 5 + 5)}{5 \times 5 \times (5 + 5)} = \frac{((66 + 6) \times 66 - 6 \times (6 + 6)) \times (66 + 6 + 6)}{6 \times 6 \times (6 + 6)} \\ &:= \frac{((77 + 7) \times 77 - 7 \times (7 + 7)) \times (77 + 7 + 7)}{7 \times 7 \times (7 + 7)} = \frac{((88 + 8) \times 88 - 8 \times (8 + 8)) \times (88 + 8 + 8)}{8 \times 8 \times (8 + 8)} = \frac{((99 + 9) \times 99 - 9 \times (9 + 9)) \times (99 + 9 + 9)}{9 \times 9 \times (9 + 9)} \end{aligned}$$

8645 := $\frac{((11 + 1) \times 111 - 1 \times (1 + 1)) \times (11 + 1 + 1)}{1 \times 1 \times (1 + 1)} = \frac{((22 + 2) \times 222 - 2 \times (2 + 2)) \times (22 + 2 + 2)}{2 \times 2 \times (2 + 2)} = \frac{((33 + 3) \times 333 - 3 \times (3 + 3)) \times (33 + 3 + 3)}{3 \times 3 \times (3 + 3)}$

$$\begin{aligned} &:= \frac{((44 + 4) \times 444 - 4 \times (4 + 4)) \times (44 + 4 + 4)}{4 \times 4 \times (4 + 4)} = \frac{((55 + 5) \times 555 - 5 \times (5 + 5)) \times (55 + 5 + 5)}{5 \times 5 \times (5 + 5)} = \frac{((66 + 6) \times 666 - 6 \times (6 + 6)) \times (66 + 6 + 6)}{6 \times 6 \times (6 + 6)} \\ &:= \frac{((77 + 7) \times 777 - 7 \times (7 + 7)) \times (77 + 7 + 7)}{7 \times 7 \times (7 + 7)} = \frac{((88 + 8) \times 888 - 8 \times (8 + 8)) \times (88 + 8 + 8)}{8 \times 8 \times (8 + 8)} = \frac{((99 + 9) \times 999 - 9 \times (9 + 9)) \times (99 + 9 + 9)}{9 \times 9 \times (9 + 9)} \end{aligned}$$

86645 := $\frac{((11 + 1) \times 1111 - 1 \times (1 + 1)) \times (11 + 1 + 1)}{1 \times 1 \times (1 + 1)} = \frac{((22 + 2) \times 2222 - 2 \times (2 + 2)) \times (22 + 2 + 2)}{2 \times 2 \times (2 + 2)} = \frac{((33 + 3) \times 3333 - 3 \times (3 + 3)) \times (33 + 3 + 3)}{3 \times 3 \times (3 + 3)}$

$$\begin{aligned} &:= \frac{((44 + 4) \times 4444 - 4 \times (4 + 4)) \times (44 + 4 + 4)}{4 \times 4 \times (4 + 4)} = \frac{((55 + 5) \times 5555 - 5 \times (5 + 5)) \times (55 + 5 + 5)}{5 \times 5 \times (5 + 5)} = \frac{((66 + 6) \times 6666 - 6 \times (6 + 6)) \times (66 + 6 + 6)}{6 \times 6 \times (6 + 6)} \\ &:= \frac{((77 + 7) \times 7777 - 7 \times (7 + 7)) \times (77 + 7 + 7)}{7 \times 7 \times (7 + 7)} = \frac{((88 + 8) \times 8888 - 8 \times (8 + 8)) \times (88 + 8 + 8)}{8 \times 8 \times (8 + 8)} = \frac{((99 + 9) \times 9999 - 9 \times (9 + 9)) \times (99 + 9 + 9)}{9 \times 9 \times (9 + 9)} \end{aligned}$$

866645 := $\frac{((11 + 1) \times 11111 - 1 \times (1 + 1)) \times (11 + 1 + 1)}{1 \times 1 \times (1 + 1)} = \frac{((22 + 2) \times 22222 - 2 \times (2 + 2)) \times (22 + 2 + 2)}{2 \times 2 \times (2 + 2)} = \frac{((33 + 3) \times 33333 - 3 \times (3 + 3)) \times (33 + 3 + 3)}{3 \times 3 \times (3 + 3)}$

$$\begin{aligned} &:= \frac{((44 + 4) \times 44444 - 4 \times (4 + 4)) \times (44 + 4 + 4)}{4 \times 4 \times (4 + 4)} = \frac{((55 + 5) \times 55555 - 5 \times (5 + 5)) \times (55 + 5 + 5)}{5 \times 5 \times (5 + 5)} = \frac{((66 + 6) \times 66666 - 6 \times (6 + 6)) \times (66 + 6 + 6)}{6 \times 6 \times (6 + 6)} \\ &:= \frac{((77 + 7) \times 77777 - 7 \times (7 + 7)) \times (77 + 7 + 7)}{7 \times 7 \times (7 + 7)} = \frac{((88 + 8) \times 88888 - 8 \times (8 + 8)) \times (88 + 8 + 8)}{8 \times 8 \times (8 + 8)} = \frac{((99 + 9) \times 99999 - 9 \times (9 + 9)) \times (99 + 9 + 9)}{9 \times 9 \times (9 + 9)} \end{aligned}$$

► **846** := $\frac{(11 - 1 - 1 - 1 - 1) \times 11 \times 11 - 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times 22 \times 22 - 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times 33 \times 33 - 3 \times 3 \times 3}{3 \times 3 \times 3}$

$$\begin{aligned} &:= \frac{(44 - 4 - 4 - 4 - 4) \times 44 \times 44 - 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times 55 \times 55 - 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times 66 \times 66 - 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times 77 \times 77 - 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times 88 \times 88 - 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times 99 \times 99 - 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

8546 := $\frac{(11 - 1 - 1 - 1 - 1) \times 111 \times 11 - 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22 - 2 - 2 - 2 - 2) \times 222 \times 22 - 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33 - 3 - 3 - 3 - 3) \times 333 \times 33 - 3 \times 3 \times 3}{3 \times 3 \times 3}$

$$\begin{aligned} &:= \frac{(44 - 4 - 4 - 4 - 4) \times 444 \times 44 - 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55 - 5 - 5 - 5 - 5) \times 555 \times 55 - 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66 - 6 - 6 - 6 - 6) \times 666 \times 66 - 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7 - 7) \times 777 \times 77 - 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88 - 8 - 8 - 8 - 8) \times 888 \times 88 - 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99 - 9 - 9 - 9 - 9) \times 999 \times 99 - 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{85546} &:= \frac{(11-1-1-1-1) \times 1111 \times 11-1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 2222 \times 22-2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 3333 \times 33-3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 4444 \times 44-4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 5555 \times 55-5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 6666 \times 66-6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 7777 \times 77-7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 8888 \times 88-8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 9999 \times 99-9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{855546} &:= \frac{(11-1-1-1-1) \times 11111 \times 11-1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 22222 \times 22-2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 33333 \times 33-3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 44444 \times 44-4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 55555 \times 55-5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 66666 \times 66-6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77777 \times 77-7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 88888 \times 88-8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 99999 \times 99-9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{847} &:= \frac{(11-1-1-1-1) \times 11 \times 11}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 22 \times 22}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 33 \times 33}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 44 \times 44}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 55 \times 55}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 66 \times 66}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77 \times 77}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 88 \times 88}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 99 \times 99}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{8547} &:= \frac{(11-1-1-1-1) \times 111 \times 11}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 222 \times 22}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 333 \times 33}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 444 \times 44}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 555 \times 55}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 666 \times 66}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 777 \times 77}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 888 \times 88}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 999 \times 99}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{85547} &:= \frac{(11-1-1-1-1) \times 1111 \times 11}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 2222 \times 22}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 3333 \times 33}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 4444 \times 44}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 5555 \times 55}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 6666 \times 66}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 7777 \times 77}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 8888 \times 88}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 9999 \times 99}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{855547} &:= \frac{(11-1-1-1-1) \times 11111 \times 11}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 22222 \times 22}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 33333 \times 33}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 44444 \times 44}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 55555 \times 55}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 66666 \times 66}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77777 \times 77}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 88888 \times 88}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 99999 \times 99}{9 \times 9 \times 9} \end{aligned}$$

$$\blacktriangleright \mathbf{848} := \frac{(11-1-1-1-1) \times 11 \times 11 + 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 22 \times 22 + 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 33 \times 33 + 3 \times 3 \times 3}{3 \times 3 \times 3}$$

$$\begin{aligned} &:= \frac{(44-4-4-4-4) \times 44 \times 44 + 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 55 \times 55 + 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 66 \times 66 + 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77 \times 77 + 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 88 \times 88 + 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 99 \times 99 + 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8548} &:= \frac{(11-1-1-1-1) \times 111 \times 11 + 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 222 \times 22 + 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 333 \times 33 + 3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 444 \times 44 + 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 555 \times 55 + 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 666 \times 66 + 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 777 \times 77 + 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 888 \times 88 + 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 999 \times 99 + 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{85548} &:= \frac{(11-1-1-1-1) \times 1111 \times 11 + 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 2222 \times 22 + 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 3333 \times 33 + 3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 4444 \times 44 + 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 5555 \times 55 + 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 6666 \times 66 + 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 7777 \times 77 + 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 8888 \times 88 + 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 9999 \times 99 + 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{855548} &:= \frac{(11-1-1-1-1) \times 11111 \times 11 + 1 \times 1 \times 1}{1 \times 1 \times 1} = \frac{(22-2-2-2-2) \times 22222 \times 22 + 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{(33-3-3-3-3) \times 33333 \times 33 + 3 \times 3 \times 3}{3 \times 3 \times 3} \\ &:= \frac{(44-4-4-4-4) \times 44444 \times 44 + 4 \times 4 \times 4}{4 \times 4 \times 4} = \frac{(55-5-5-5-5) \times 55555 \times 55 + 5 \times 5 \times 5}{5 \times 5 \times 5} = \frac{(66-6-6-6-6) \times 66666 \times 66 + 6 \times 6 \times 6}{6 \times 6 \times 6} \\ &:= \frac{(77-7-7-7-7) \times 77777 \times 77 + 7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{(88-8-8-8-8) \times 88888 \times 88 + 8 \times 8 \times 8}{8 \times 8 \times 8} = \frac{(99-9-9-9-9) \times 99999 \times 99 + 9 \times 9 \times 9}{9 \times 9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{849} &:= \frac{(11+11+1) \times 111 - (1+1) \times (1+1+1)}{(1+1+1) \times 1} = \frac{(22+22+2) \times 222 - (2+2) \times (2+2+2)}{(2+2+2) \times 2} = \frac{(33+33+3) \times 333 - (3+3) \times (3+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(44+44+4) \times 444 - (4+4) \times (4+4+4)}{(4+4+4) \times 4} = \frac{(55+55+5) \times 555 - (5+5) \times (5+5+5)}{(5+5+5) \times 5} = \frac{(66+66+6) \times 666 - (6+6) \times (6+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(77+77+7) \times 777 - (7+7) \times (7+7+7)}{(7+7+7) \times 7} = \frac{(88+88+8) \times 888 - (8+8) \times (8+8+8)}{(8+8+8) \times 8} = \frac{(99+99+9) \times 999 - (9+9) \times (9+9+9)}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8249} &:= \frac{(111+111+1) \times 111 - (1+1) \times (1+1+1)}{(1+1+1) \times 1} = \frac{(222+222+2) \times 222 - (2+2) \times (2+2+2)}{(2+2+2) \times 2} = \frac{(333+333+3) \times 333 - (3+3) \times (3+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(444+444+4) \times 444 - (4+4) \times (4+4+4)}{(4+4+4) \times 4} = \frac{(555+555+5) \times 555 - (5+5) \times (5+5+5)}{(5+5+5) \times 5} = \frac{(666+666+6) \times 666 - (6+6) \times (6+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(777+777+7) \times 777 - (7+7) \times (7+7+7)}{(7+7+7) \times 7} = \frac{(888+888+8) \times 888 - (8+8) \times (8+8+8)}{(8+8+8) \times 8} = \frac{(999+999+9) \times 999 - (9+9) \times (9+9+9)}{(9+9+9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{82249} &:= \frac{(1111+1111+1) \times 111 - (1+1) \times (1+1+1)}{(1+1+1) \times 1} = \frac{(2222+2222+2) \times 222 - (2+2) \times (2+2+2)}{(2+2+2) \times 2} = \frac{(3333+3333+3) \times 333 - (3+3) \times (3+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444+4444+4) \times 444 - (4+4) \times (4+4+4)}{(4+4+4) \times 4} = \frac{(5555+5555+5) \times 555 - (5+5) \times (5+5+5)}{(5+5+5) \times 5} = \frac{(6666+6666+6) \times 666 - (6+6) \times (6+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777+7777+7) \times 777 - (7+7) \times (7+7+7)}{(7+7+7) \times 7} = \frac{(8888+8888+8) \times 888 - (8+8) \times (8+8+8)}{(8+8+8) \times 8} = \frac{(9999+9999+9) \times 999 - (9+9) \times (9+9+9)}{(9+9+9) \times 9} \end{aligned}$$

822249

$$\begin{aligned} &:= \frac{(11111 + 11111 + 1) \times 111 - (1 + 1) \times (1 + 1 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 22222 + 2) \times 222 - (2 + 2) \times (2 + 2 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 33333 + 3) \times 333 - (3 + 3) \times (3 + 3 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 44444 + 4) \times 444 - (4 + 4) \times (4 + 4 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55555 + 5) \times 555 - (5 + 5) \times (5 + 5 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66666 + 6) \times 666 - (6 + 6) \times (6 + 6 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 77777 + 7) \times 777 - (7 + 7) \times (7 + 7 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88888 + 8) \times 888 - (8 + 8) \times (8 + 8 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99999 + 9) \times 999 - (9 + 9) \times (9 + 9 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

► 850

$$\begin{aligned} &:= \frac{(11 + 11 + 1) \times 111 - 1 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(22 + 22 + 2) \times 222 - 2 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(33 + 33 + 3) \times 333 - 3 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(44 + 44 + 4) \times 444 - 4 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(55 + 55 + 5) \times 555 - 5 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(66 + 66 + 6) \times 666 - 6 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(77 + 77 + 7) \times 777 - 7 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(88 + 88 + 8) \times 888 - 8 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(99 + 99 + 9) \times 999 - 9 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

8250

$$\begin{aligned} &:= \frac{(111 + 111 + 1) \times 111 - 1 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(222 + 222 + 2) \times 222 - 2 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(333 + 333 + 3) \times 333 - 3 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(444 + 444 + 4) \times 444 - 4 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(555 + 555 + 5) \times 555 - 5 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(666 + 666 + 6) \times 666 - 6 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(777 + 777 + 7) \times 777 - 7 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(888 + 888 + 8) \times 888 - 8 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(999 + 999 + 9) \times 999 - 9 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

82250

$$\begin{aligned} &:= \frac{(1111 + 1111 + 1) \times 111 - 1 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(2222 + 2222 + 2) \times 222 - 2 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(3333 + 3333 + 3) \times 333 - 3 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(4444 + 4444 + 4) \times 444 - 4 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(5555 + 5555 + 5) \times 555 - 5 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(6666 + 6666 + 6) \times 666 - 6 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(7777 + 7777 + 7) \times 777 - 7 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(8888 + 8888 + 8) \times 888 - 8 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(9999 + 9999 + 9) \times 999 - 9 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

822250

$$\begin{aligned} &:= \frac{(11111 + 11111 + 1) \times 111 - 1 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(22222 + 22222 + 2) \times 222 - 2 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(33333 + 33333 + 3) \times 333 - 3 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(44444 + 44444 + 4) \times 444 - 4 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(55555 + 55555 + 5) \times 555 - 5 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(66666 + 66666 + 6) \times 666 - 6 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(77777 + 77777 + 7) \times 777 - 7 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(88888 + 88888 + 8) \times 888 - 8 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(99999 + 99999 + 9) \times 999 - 9 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

► 851

$$\begin{aligned} &:= \frac{(11 + 11 + 1) \times 111}{1 \times (1 + 1 + 1)} = \frac{(22 + 22 + 2) \times 222}{2 \times (2 + 2 + 2)} = \frac{(33 + 33 + 3) \times 333}{3 \times (3 + 3 + 3)} \\ &:= \frac{(44 + 44 + 4) \times 444}{4 \times (4 + 4 + 4)} = \frac{(55 + 55 + 5) \times 555}{5 \times (5 + 5 + 5)} = \frac{(66 + 66 + 6) \times 666}{6 \times (6 + 6 + 6)} \\ &:= \frac{(77 + 77 + 7) \times 777}{7 \times (7 + 7 + 7)} = \frac{(88 + 88 + 8) \times 888}{8 \times (8 + 8 + 8)} = \frac{(99 + 99 + 9) \times 999}{9 \times (9 + 9 + 9)} \end{aligned}$$

8251

$$:= \frac{(111 + 111 + 1) \times 111}{1 \times (1 + 1 + 1)} = \frac{(222 + 222 + 2) \times 222}{2 \times (2 + 2 + 2)} = \frac{(333 + 333 + 3) \times 333}{3 \times (3 + 3 + 3)}$$

$$\begin{aligned} &:= \frac{(444 + 444 + 4) \times 444}{4 \times (4 + 4 + 4)} = \frac{(555 + 555 + 5) \times 555}{5 \times (5 + 5 + 5)} = \frac{(666 + 666 + 6) \times 666}{6 \times (6 + 6 + 6)} \\ &:= \frac{(777 + 777 + 7) \times 777}{7 \times (7 + 7 + 7)} = \frac{(888 + 888 + 8) \times 888}{8 \times (8 + 8 + 8)} = \frac{(999 + 999 + 9) \times 999}{9 \times (9 + 9 + 9)} \end{aligned}$$

82251

$$\begin{aligned} &:= \frac{(1111 + 1111 + 1) \times 111}{1 \times (1 + 1 + 1)} = \frac{(2222 + 2222 + 2) \times 222}{2 \times (2 + 2 + 2)} = \frac{(3333 + 3333 + 3) \times 333}{3 \times (3 + 3 + 3)} \\ &:= \frac{(4444 + 4444 + 4) \times 444}{4 \times (4 + 4 + 4)} = \frac{(5555 + 5555 + 5) \times 555}{5 \times (5 + 5 + 5)} = \frac{(6666 + 6666 + 6) \times 666}{6 \times (6 + 6 + 6)} \\ &:= \frac{(7777 + 7777 + 7) \times 777}{7 \times (7 + 7 + 7)} = \frac{(8888 + 8888 + 8) \times 888}{8 \times (8 + 8 + 8)} = \frac{(9999 + 9999 + 9) \times 999}{9 \times (9 + 9 + 9)} \end{aligned}$$

822251

$$\begin{aligned} &:= \frac{(11111 + 11111 + 1) \times 111}{1 \times (1 + 1 + 1)} = \frac{(22222 + 22222 + 2) \times 222}{2 \times (2 + 2 + 2)} = \frac{(33333 + 33333 + 3) \times 333}{3 \times (3 + 3 + 3)} \\ &:= \frac{(44444 + 44444 + 4) \times 444}{4 \times (4 + 4 + 4)} = \frac{(55555 + 55555 + 5) \times 555}{5 \times (5 + 5 + 5)} = \frac{(66666 + 66666 + 6) \times 666}{6 \times (6 + 6 + 6)} \\ &:= \frac{(77777 + 77777 + 7) \times 777}{7 \times (7 + 7 + 7)} = \frac{(88888 + 88888 + 8) \times 888}{8 \times (8 + 8 + 8)} = \frac{(99999 + 99999 + 9) \times 999}{9 \times (9 + 9 + 9)} \end{aligned}$$

► 852

$$\begin{aligned} &:= \frac{(11 + 11 + 1) \times 111 + 1 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(22 + 22 + 2) \times 222 + 2 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(33 + 33 + 3) \times 333 + 3 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(44 + 44 + 4) \times 444 + 4 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(55 + 55 + 5) \times 555 + 5 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(66 + 66 + 6) \times 666 + 6 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(77 + 77 + 7) \times 777 + 7 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(88 + 88 + 8) \times 888 + 8 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(99 + 99 + 9) \times 999 + 9 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

8252

$$\begin{aligned} &:= \frac{(111 + 111 + 1) \times 111 + 1 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(222 + 222 + 2) \times 222 + 2 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(333 + 333 + 3) \times 333 + 3 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(444 + 444 + 4) \times 444 + 4 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(555 + 555 + 5) \times 555 + 5 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(666 + 666 + 6) \times 666 + 6 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(777 + 777 + 7) \times 777 + 7 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(888 + 888 + 8) \times 888 + 8 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(999 + 999 + 9) \times 999 + 9 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

82252

$$\begin{aligned} &:= \frac{(1111 + 1111 + 1) \times 111 + 1 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(2222 + 2222 + 2) \times 222 + 2 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(3333 + 3333 + 3) \times 333 + 3 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(4444 + 4444 + 4) \times 444 + 4 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(5555 + 5555 + 5) \times 555 + 5 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(6666 + 6666 + 6) \times 666 + 6 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(7777 + 7777 + 7) \times 777 + 7 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(8888 + 8888 + 8) \times 888 + 8 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(9999 + 9999 + 9) \times 999 + 9 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

822252

$$\begin{aligned} &:= \frac{(11111 + 11111 + 1) \times 111 + 1 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(22222 + 22222 + 2) \times 222 + 2 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(33333 + 33333 + 3) \times 333 + 3 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(44444 + 44444 + 4) \times 444 + 4 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(55555 + 55555 + 5) \times 555 + 5 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(66666 + 66666 + 6) \times 666 + 6 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(77777 + 77777 + 7) \times 777 + 7 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(88888 + 88888 + 8) \times 888 + 8 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(99999 + 99999 + 9) \times 999 + 9 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

►

853

$$\begin{aligned} &:= \frac{(11+11+1) \times 111 + (1+1) \times (1+1+1)}{(1+1+1) \times 1} = \frac{(22+22+2) \times 222 + (2+2) \times (2+2+2)}{(2+2+2) \times 2} = \frac{(33+33+3) \times 333 + (3+3) \times (3+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(44+44+4) \times 444 + (4+4) \times (4+4+4)}{(4+4+4) \times 4} = \frac{(55+55+5) \times 555 + (5+5) \times (5+5+5)}{(5+5+5) \times 5} = \frac{(66+66+6) \times 666 + (6+6) \times (6+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(77+77+7) \times 777 + (7+7) \times (7+7+7)}{(7+7+7) \times 7} = \frac{(88+88+8) \times 888 + (8+8) \times (8+8+8)}{(8+8+8) \times 8} = \frac{(99+99+9) \times 999 + (9+9) \times (9+9+9)}{(9+9+9) \times 9} \end{aligned}$$

8253

$$\begin{aligned} &:= \frac{(111+111+1) \times 111 + (1+1) \times (1+1+1)}{(1+1+1) \times 1} = \frac{(222+222+2) \times 222 + (2+2) \times (2+2+2)}{(2+2+2) \times 2} = \frac{(333+333+3) \times 333 + (3+3) \times (3+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(444+444+4) \times 444 + (4+4) \times (4+4+4)}{(4+4+4) \times 4} = \frac{(555+555+5) \times 555 + (5+5) \times (5+5+5)}{(5+5+5) \times 5} = \frac{(666+666+6) \times 666 + (6+6) \times (6+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(777+777+7) \times 777 + (7+7) \times (7+7+7)}{(7+7+7) \times 7} = \frac{(888+888+8) \times 888 + (8+8) \times (8+8+8)}{(8+8+8) \times 8} = \frac{(999+999+9) \times 999 + (9+9) \times (9+9+9)}{(9+9+9) \times 9} \end{aligned}$$

82253

$$\begin{aligned} &:= \frac{(1111+1111+1) \times 111 + (1+1) \times (1+1+1)}{(1+1+1) \times 1} = \frac{(2222+2222+2) \times 222 + (2+2) \times (2+2+2)}{(2+2+2) \times 2} = \frac{(3333+3333+3) \times 333 + (3+3) \times (3+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444+4444+4) \times 444 + (4+4) \times (4+4+4)}{(4+4+4) \times 4} = \frac{(5555+5555+5) \times 555 + (5+5) \times (5+5+5)}{(5+5+5) \times 5} = \frac{(6666+6666+6) \times 666 + (6+6) \times (6+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777+7777+7) \times 777 + (7+7) \times (7+7+7)}{(7+7+7) \times 7} = \frac{(8888+8888+8) \times 888 + (8+8) \times (8+8+8)}{(8+8+8) \times 8} = \frac{(9999+9999+9) \times 999 + (9+9) \times (9+9+9)}{(9+9+9) \times 9} \end{aligned}$$

822253

$$\begin{aligned} &:= \frac{(11111+11111+1) \times 111 + (1+1) \times (1+1+1)}{(1+1+1) \times 1} = \frac{(22222+22222+2) \times 222 + (2+2) \times (2+2+2)}{(2+2+2) \times 2} = \frac{(33333+33333+3) \times 333 + (3+3) \times (3+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(44444+44444+4) \times 444 + (4+4) \times (4+4+4)}{(4+4+4) \times 4} = \frac{(55555+55555+5) \times 555 + (5+5) \times (5+5+5)}{(5+5+5) \times 5} = \frac{(66666+66666+6) \times 666 + (6+6) \times (6+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(77777+77777+7) \times 777 + (7+7) \times (7+7+7)}{(7+7+7) \times 7} = \frac{(88888+88888+8) \times 888 + (8+8) \times (8+8+8)}{(8+8+8) \times 8} = \frac{(99999+99999+9) \times 999 + (9+9) \times (9+9+9)}{(9+9+9) \times 9} \end{aligned}$$

►

854

$$\begin{aligned} &:= \frac{1111-111-111-11-11-11-1-1}{1} = \frac{2222-222-222-22-22-22-2-2}{2} = \frac{3333-333-333-33-33-33-3-3}{3} \\ &:= \frac{4444-444-444-44-44-44-4-4}{4} = \frac{5555-555-555-55-55-55-5-5}{5} = \frac{6666-666-666-66-66-66-6-6}{6} \\ &:= \frac{7777-777-777-77-77-77-7-7}{7} = \frac{8888-888-888-88-88-88-8-8}{8} = \frac{9999-999-999-99-99-99-9-9}{9} \end{aligned}$$

9854

$$\begin{aligned} &:= \frac{11111-1111-111-11-11-11-1-1}{1} = \frac{22222-2222-222-22-22-22-2-2}{2} = \frac{33333-3333-333-33-33-33-3-3}{3} \\ &:= \frac{44444-4444-444-44-44-44-4-4}{4} = \frac{55555-5555-555-55-55-55-5-5}{5} = \frac{66666-6666-666-66-66-66-6-6}{6} \\ &:= \frac{77777-7777-777-77-77-77-7-7}{7} = \frac{88888-8888-888-88-88-88-8-8}{8} = \frac{99999-9999-999-99-99-99-9-9}{9} \end{aligned}$$

99854

$$\begin{aligned} &:= \frac{111111-11111-111-11-11-11-1-1}{1} = \frac{222222-22222-222-22-22-22-2-2}{2} = \frac{333333-33333-333-33-33-33-3-3}{3} \end{aligned}$$

$$\begin{aligned} &:= \frac{444444 - 44444 - 444 - 44 - 44 - 44 - 4 - 4}{4} = \frac{555555 - 55555 - 555 - 55 - 55 - 55 - 5 - 5}{5} = \frac{666666 - 66666 - 666 - 66 - 66 - 66 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 - 77 - 77 - 7 - 7}{7} = \frac{888888 - 88888 - 888 - 88 - 88 - 88 - 8 - 8}{8} = \frac{999999 - 99999 - 999 - 99 - 99 - 99 - 9 - 9}{9} \end{aligned}$$

999854

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 - 11 - 11 - 11 - 1 - 1}{1} = \frac{2222222 - 222222 - 222 - 22 - 22 - 22 - 2 - 2}{2} = \frac{3333333 - 333333 - 333 - 33 - 33 - 33 - 3 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 - 44 - 44 - 4 - 4}{4} = \frac{5555555 - 555555 - 555 - 55 - 55 - 55 - 5 - 5}{5} = \frac{6666666 - 666666 - 666 - 66 - 66 - 66 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 - 77 - 77 - 7 - 7}{7} = \frac{8888888 - 888888 - 888 - 88 - 88 - 88 - 8 - 8}{8} = \frac{9999999 - 999999 - 999 - 99 - 99 - 99 - 9 - 9}{9} \end{aligned}$$

► 855

$$\begin{aligned} &:= \frac{1111 - 111 - 111 - 11 - 11 - 11 - 1}{1} = \frac{2222 - 222 - 222 - 22 - 22 - 22 - 2}{2} = \frac{3333 - 333 - 333 - 33 - 33 - 33 - 3}{3} \\ &:= \frac{4444 - 444 - 444 - 44 - 44 - 44 - 4}{4} = \frac{5555 - 555 - 555 - 55 - 55 - 55 - 5}{5} = \frac{6666 - 666 - 666 - 66 - 66 - 66 - 6}{6} \\ &:= \frac{7777 - 777 - 777 - 77 - 77 - 77 - 7}{7} = \frac{8888 - 888 - 888 - 88 - 88 - 88 - 8}{8} = \frac{9999 - 999 - 999 - 99 - 99 - 99 - 9}{9} \end{aligned}$$

9855

$$\begin{aligned} &:= \frac{11111 - 1111 - 111 - 11 - 11 - 11 - 1}{1} = \frac{22222 - 2222 - 222 - 22 - 22 - 22 - 2}{2} = \frac{33333 - 3333 - 333 - 33 - 33 - 33 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 44 - 44 - 44 - 4}{4} = \frac{55555 - 5555 - 555 - 55 - 55 - 55 - 5}{5} = \frac{66666 - 6666 - 666 - 66 - 66 - 66 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 77 - 77 - 77 - 7}{7} = \frac{88888 - 8888 - 888 - 88 - 88 - 88 - 8}{8} = \frac{99999 - 9999 - 999 - 99 - 99 - 99 - 9}{9} \end{aligned}$$

99855

$$\begin{aligned} &:= \frac{111111 - 11111 - 111 - 11 - 11 - 11 - 1}{1} = \frac{222222 - 22222 - 222 - 22 - 22 - 22 - 2}{2} = \frac{333333 - 33333 - 333 - 33 - 33 - 33 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 44 - 44 - 44 - 4}{4} = \frac{555555 - 55555 - 555 - 55 - 55 - 55 - 5}{5} = \frac{666666 - 66666 - 666 - 66 - 66 - 66 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 - 77 - 77 - 7}{7} = \frac{888888 - 88888 - 888 - 88 - 88 - 88 - 8}{8} = \frac{999999 - 99999 - 999 - 99 - 99 - 99 - 9}{9} \end{aligned}$$

999855

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 - 11 - 11 - 11 - 1}{1} = \frac{2222222 - 222222 - 222 - 22 - 22 - 22 - 2}{2} = \frac{3333333 - 333333 - 333 - 33 - 33 - 33 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 - 44 - 44 - 4}{4} = \frac{5555555 - 555555 - 555 - 55 - 55 - 55 - 5}{5} = \frac{6666666 - 666666 - 666 - 66 - 66 - 66 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 - 77 - 77 - 7}{7} = \frac{8888888 - 888888 - 888 - 88 - 88 - 88 - 8}{8} = \frac{9999999 - 999999 - 999 - 99 - 99 - 99 - 9}{9} \end{aligned}$$

► 856

$$\begin{aligned} &:= \frac{1111 - 111 - 111 - 11 - 11 - 11}{1} = \frac{2222 - 222 - 222 - 22 - 22 - 22}{2} = \frac{3333 - 333 - 333 - 33 - 33 - 33}{3} \\ &:= \frac{4444 - 444 - 444 - 44 - 44 - 44}{4} = \frac{5555 - 555 - 555 - 55 - 55 - 55}{5} = \frac{6666 - 666 - 666 - 66 - 66 - 66}{6} \\ &:= \frac{7777 - 777 - 777 - 77 - 77 - 77}{7} = \frac{8888 - 888 - 888 - 88 - 88 - 88}{8} = \frac{9999 - 999 - 999 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{9856} &:= \frac{11111 - 1111 - 111 - 11 - 11 - 11}{1} = \frac{22222 - 2222 - 222 - 22 - 22 - 22}{2} = \frac{33333 - 3333 - 333 - 33 - 33 - 33}{3} \\ &:= \frac{44444 - 4444 - 444 - 44 - 44 - 44}{4} = \frac{55555 - 5555 - 555 - 55 - 55 - 55}{5} = \frac{66666 - 6666 - 666 - 66 - 66 - 66}{6} \\ &:= \frac{77777 - 7777 - 777 - 77 - 77 - 77}{7} = \frac{88888 - 8888 - 888 - 88 - 88 - 88}{8} = \frac{99999 - 9999 - 999 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{99856} &:= \frac{111111 - 11111 - 111 - 11 - 11 - 11}{1} = \frac{222222 - 22222 - 222 - 22 - 22 - 22}{2} = \frac{333333 - 33333 - 333 - 33 - 33 - 33}{3} \\ &:= \frac{444444 - 44444 - 444 - 44 - 44 - 44}{4} = \frac{555555 - 55555 - 555 - 55 - 55 - 55}{5} = \frac{666666 - 66666 - 666 - 66 - 66 - 66}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 - 77 - 77}{7} = \frac{888888 - 88888 - 888 - 88 - 88 - 88}{8} = \frac{999999 - 99999 - 999 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{999856} &:= \frac{1111111 - 111111 - 111 - 11 - 11 - 11}{1} = \frac{2222222 - 222222 - 222 - 22 - 22 - 22}{2} = \frac{3333333 - 333333 - 333 - 33 - 33 - 33}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 - 44 - 44}{4} = \frac{5555555 - 555555 - 555 - 55 - 55 - 55}{5} = \frac{6666666 - 666666 - 666 - 66 - 66 - 66}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 - 77 - 77}{7} = \frac{8888888 - 888888 - 888 - 88 - 88 - 88}{8} = \frac{9999999 - 999999 - 999 - 99 - 99 - 99}{9} \end{aligned}$$

► **857** := $\frac{(111 - 11 - 11 - 11) \times 11 - 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22 - 22) \times 22 - 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33 - 33) \times 33 - 3 \times 3}{3 \times 3}$
:= $\frac{(444 - 44 - 44 - 44) \times 44 - 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55 - 55) \times 55 - 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66 - 66) \times 66 - 6 \times 6}{6 \times 6}$
:= $\frac{(777 - 77 - 77 - 77) \times 77 - 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88 - 88) \times 88 - 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99 - 99) \times 99 - 9 \times 9}{9 \times 9}$

$$\begin{aligned} \text{9657} &:= \frac{(111 - 11 - 11 - 11) \times 111 - 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22 - 22) \times 222 - 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33 - 33) \times 333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 44) \times 444 - 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55 - 55) \times 555 - 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66 - 66) \times 666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 77 - 77) \times 777 - 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88 - 88) \times 888 - 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99 - 99) \times 999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{86657} &:= \frac{(111 - 11 - 11 - 11) \times 1111 - 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22 - 22) \times 2222 - 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33 - 33) \times 3333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 44) \times 4444 - 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55 - 55) \times 5555 - 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66 - 66) \times 6666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 77 - 77) \times 7777 - 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88 - 88) \times 8888 - 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99 - 99) \times 9999 - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{866657} &:= \frac{(111 - 11 - 11 - 11) \times 11111 - 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22 - 22) \times 22222 - 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33 - 33) \times 33333 - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 44) \times 44444 - 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55 - 55) \times 55555 - 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66 - 66) \times 66666 - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 77 - 77) \times 77777 - 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88 - 88) \times 88888 - 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99 - 99) \times 99999 - 9 \times 9}{9 \times 9} \end{aligned}$$

►

858

$$\begin{aligned} &:= \frac{(111-11-11-11) \times 11}{1 \times 1} = \frac{(222-22-22-22) \times 22}{2 \times 2} = \frac{(333-33-33-33) \times 33}{3 \times 3} \\ &:= \frac{(444-44-44-44) \times 44}{4 \times 4} = \frac{(555-55-55-55) \times 55}{5 \times 5} = \frac{(666-66-66-66) \times 66}{6 \times 6} \\ &:= \frac{(777-77-77-77) \times 77}{7 \times 7} = \frac{(888-88-88-88) \times 88}{8 \times 8} = \frac{(999-99-99-99) \times 99}{9 \times 9} \end{aligned}$$

9658

$$\begin{aligned} &:= \frac{(111-11-11-11) \times 111}{1 \times 1} = \frac{(222-22-22-22) \times 222}{2 \times 2} = \frac{(333-33-33-33) \times 333}{3 \times 3} \\ &:= \frac{(444-44-44-44) \times 444}{4 \times 4} = \frac{(555-55-55-55) \times 555}{5 \times 5} = \frac{(666-66-66-66) \times 666}{6 \times 6} \\ &:= \frac{(777-77-77-77) \times 777}{7 \times 7} = \frac{(888-88-88-88) \times 888}{8 \times 8} = \frac{(999-99-99-99) \times 999}{9 \times 9} \end{aligned}$$

86658

$$\begin{aligned} &:= \frac{(111-11-11-11) \times 1111}{1 \times 1} = \frac{(222-22-22-22) \times 2222}{2 \times 2} = \frac{(333-33-33-33) \times 3333}{3 \times 3} \\ &:= \frac{(444-44-44-44) \times 4444}{4 \times 4} = \frac{(555-55-55-55) \times 5555}{5 \times 5} = \frac{(666-66-66-66) \times 6666}{6 \times 6} \\ &:= \frac{(777-77-77-77) \times 7777}{7 \times 7} = \frac{(888-88-88-88) \times 8888}{8 \times 8} = \frac{(999-99-99-99) \times 9999}{9 \times 9} \end{aligned}$$

866658

$$\begin{aligned} &:= \frac{(111-11-11-11) \times 11111}{1 \times 1} = \frac{(222-22-22-22) \times 22222}{2 \times 2} = \frac{(333-33-33-33) \times 33333}{3 \times 3} \\ &:= \frac{(444-44-44-44) \times 44444}{4 \times 4} = \frac{(555-55-55-55) \times 55555}{5 \times 5} = \frac{(666-66-66-66) \times 66666}{6 \times 6} \\ &:= \frac{(777-77-77-77) \times 77777}{7 \times 7} = \frac{(888-88-88-88) \times 88888}{8 \times 8} = \frac{(999-99-99-99) \times 99999}{9 \times 9} \end{aligned}$$

►

859

$$\begin{aligned} &:= \frac{(111-11-11-11) \times 11 + 1 \times 1}{1 \times 1} = \frac{(222-22-22-22) \times 22 + 2 \times 2}{2 \times 2} = \frac{(333-33-33-33) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-44-44) \times 44 + 4 \times 4}{4 \times 4} = \frac{(555-55-55-55) \times 55 + 5 \times 5}{5 \times 5} = \frac{(666-66-66-66) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-77-77) \times 77 + 7 \times 7}{7 \times 7} = \frac{(888-88-88-88) \times 88 + 8 \times 8}{8 \times 8} = \frac{(999-99-99-99) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

8659

$$\begin{aligned} &:= \frac{(111-11-11-11) \times 111 + 1 \times 1}{1 \times 1} = \frac{(222-22-22-22) \times 222 + 2 \times 2}{2 \times 2} = \frac{(333-33-33-33) \times 333 + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-44-44) \times 444 + 4 \times 4}{4 \times 4} = \frac{(555-55-55-55) \times 555 + 5 \times 5}{5 \times 5} = \frac{(666-66-66-66) \times 666 + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-77-77) \times 777 + 7 \times 7}{7 \times 7} = \frac{(888-88-88-88) \times 888 + 8 \times 8}{8 \times 8} = \frac{(999-99-99-99) \times 999 + 9 \times 9}{9 \times 9} \end{aligned}$$

86659

$$\begin{aligned} &:= \frac{(111-11-11-11) \times 1111 + 1 \times 1}{1 \times 1} = \frac{(222-22-22-22) \times 2222 + 2 \times 2}{2 \times 2} = \frac{(333-33-33-33) \times 3333 + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-44-44) \times 4444 + 4 \times 4}{4 \times 4} = \frac{(555-55-55-55) \times 5555 + 5 \times 5}{5 \times 5} = \frac{(666-66-66-66) \times 6666 + 6 \times 6}{6 \times 6} \end{aligned}$$

$$\begin{aligned}
 &:= \frac{(777-77-77-77) \times 7777 + 7 \times 7}{7 \times 7} = \frac{(888-88-88-88) \times 8888 + 8 \times 8}{8 \times 8} = \frac{(999-99-99-99) \times 9999 + 9 \times 9}{9 \times 9} \\
 \textcolor{red}{866659} &:= \frac{(111-11-11-11) \times 11111 + 1 \times 1}{1 \times 1} = \frac{(222-22-22-22) \times 22222 + 2 \times 2}{2 \times 2} = \frac{(333-33-33-33) \times 33333 + 3 \times 3}{3 \times 3} \\
 &:= \frac{(444-44-44-44) \times 44444 + 4 \times 4}{4 \times 4} = \frac{(555-55-55-55) \times 55555 + 5 \times 5}{5 \times 5} = \frac{(666-66-66-66) \times 66666 + 6 \times 6}{6 \times 6} \\
 &:= \frac{(777-77-77-77) \times 77777 + 7 \times 7}{7 \times 7} = \frac{(888-88-88-88) \times 88888 + 8 \times 8}{8 \times 8} = \frac{(999-99-99-99) \times 99999 + 9 \times 9}{9 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{860} &:= \frac{(111-11-11-1-1-1) \times (111-1)}{11 \times 1} = \frac{(222-22-22-2-2-2) \times (222-2)}{22 \times 2} = \frac{(333-33-33-3-3-3) \times (333-3)}{33 \times 3} \\
 &:= \frac{(444-44-44-4-4-4) \times (444-4)}{44 \times 4} = \frac{(555-55-55-5-5-5) \times (555-5)}{55 \times 5} = \frac{(666-66-66-6-6-6) \times (666-6)}{66 \times 6} \\
 &:= \frac{(777-77-77-7-7-7) \times (777-7)}{77 \times 7} = \frac{(888-88-88-8-8-8) \times (888-8)}{88 \times 8} = \frac{(999-99-99-9-9-9) \times (999-9)}{99 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{9860} &:= \frac{(1111-111-11-1-1-1) \times (111-1)}{11 \times 1} = \frac{(2222-222-22-2-2-2) \times (222-2)}{22 \times 2} = \frac{(3333-333-33-3-3-3) \times (333-3)}{33 \times 3} \\
 &:= \frac{(4444-444-44-4-4-4) \times (444-4)}{44 \times 4} = \frac{(5555-555-55-5-5-5) \times (555-5)}{55 \times 5} = \frac{(6666-666-66-6-6-6) \times (666-6)}{66 \times 6} \\
 &:= \frac{(7777-777-77-7-7-7) \times (777-7)}{77 \times 7} = \frac{(8888-888-88-8-8-8) \times (888-8)}{88 \times 8} = \frac{(9999-999-99-9-9-9) \times (999-9)}{99 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{99860} &:= \frac{(11111-1111-11-1-1-1) \times (111-1)}{11 \times 1} = \frac{(22222-2222-22-2-2-2) \times (222-2)}{22 \times 2} = \frac{(33333-3333-33-3-3-3) \times (333-3)}{33 \times 3} \\
 &:= \frac{(44444-4444-44-4-4-4) \times (444-4)}{44 \times 4} = \frac{(55555-5555-55-5-5-5) \times (555-5)}{55 \times 5} = \frac{(66666-6666-66-6-6-6) \times (666-6)}{66 \times 6} \\
 &:= \frac{(77777-7777-77-7-7-7) \times (777-7)}{77 \times 7} = \frac{(88888-8888-88-8-8-8) \times (888-8)}{88 \times 8} = \frac{(99999-9999-99-9-9-9) \times (999-9)}{99 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{999860} &:= \frac{(111111-11111-11-1-1-1) \times (111-1)}{11 \times 1} = \frac{(222222-22222-22-2-2-2) \times (222-2)}{22 \times 2} = \frac{(333333-33333-33-3-3-3) \times (333-3)}{33 \times 3} \\
 &:= \frac{(444444-44444-44-4-4-4) \times (444-4)}{44 \times 4} = \frac{(555555-55555-55-5-5-5) \times (555-5)}{55 \times 5} = \frac{(666666-66666-66-6-6-6) \times (666-6)}{66 \times 6} \\
 &:= \frac{(777777-77777-77-7-7-7) \times (777-7)}{77 \times 7} = \frac{(888888-88888-88-8-8-8) \times (888-8)}{88 \times 8} = \frac{(999999-99999-99-9-9-9) \times (999-9)}{99 \times 9}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{861} &:= \frac{(111+11+1) \times (11+11-1)}{(1+1+1) \times 1} = \frac{(222+22+2) \times (22+22-2)}{(2+2+2) \times 2} = \frac{(333+33+3) \times (33+33-3)}{(3+3+3) \times 3} \\
 &:= \frac{(444+44+4) \times (44+44-4)}{(4+4+4) \times 4} = \frac{(555+55+5) \times (55+55-5)}{(5+5+5) \times 5} = \frac{(666+66+6) \times (66+66-6)}{(6+6+6) \times 6} \\
 &:= \frac{(777+77+7) \times (77+77-7)}{(7+7+7) \times 7} = \frac{(888+88+8) \times (88+88-8)}{(8+8+8) \times 8} = \frac{(999+99+9) \times (99+99-9)}{(9+9+9) \times 9}
 \end{aligned}$$

7861

$$\begin{aligned} &:= \frac{(1111 + 11 + 1) \times (11 + 11 - 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 22 + 2) \times (22 + 22 - 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 33 + 3) \times (33 + 33 - 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 44 + 4) \times (44 + 44 - 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 55 + 5) \times (55 + 55 - 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 66 + 6) \times (66 + 66 - 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 77 + 7) \times (77 + 77 - 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 88 + 8) \times (88 + 88 - 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 99 + 9) \times (99 + 99 - 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

77861

$$\begin{aligned} &:= \frac{(11111 + 11 + 1) \times (11 + 11 - 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 22 + 2) \times (22 + 22 - 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 33 + 3) \times (33 + 33 - 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 44 + 4) \times (44 + 44 - 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55 + 5) \times (55 + 55 - 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66 + 6) \times (66 + 66 - 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 77 + 7) \times (77 + 77 - 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88 + 8) \times (88 + 88 - 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99 + 9) \times (99 + 99 - 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

777861

$$\begin{aligned} &:= \frac{(111111 + 11 + 1) \times (11 + 11 - 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 22 + 2) \times (22 + 22 - 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 33 + 3) \times (33 + 33 - 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 44 + 4) \times (44 + 44 - 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 55 + 5) \times (55 + 55 - 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 66 + 6) \times (66 + 66 - 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 77 + 7) \times (77 + 77 - 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 88 + 8) \times (88 + 88 - 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 99 + 9) \times (99 + 99 - 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

► 862

$$\begin{aligned} &:= \frac{(11 + 11 + 1) \times 111 + 11 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(22 + 22 + 2) \times 222 + 22 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(33 + 33 + 3) \times 333 + 33 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(44 + 44 + 4) \times 444 + 44 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(55 + 55 + 5) \times 555 + 55 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(66 + 66 + 6) \times 666 + 66 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(77 + 77 + 7) \times 777 + 77 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(88 + 88 + 8) \times 888 + 88 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(99 + 99 + 9) \times 999 + 99 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

8262

$$\begin{aligned} &:= \frac{(111 + 111 + 1) \times 111 + 11 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(222 + 222 + 2) \times 222 + 22 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(333 + 333 + 3) \times 333 + 33 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(444 + 444 + 4) \times 444 + 44 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(555 + 555 + 5) \times 555 + 55 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(666 + 666 + 6) \times 666 + 66 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(777 + 777 + 7) \times 777 + 77 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(888 + 888 + 8) \times 888 + 88 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(999 + 999 + 9) \times 999 + 99 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

82262

$$\begin{aligned} &:= \frac{(1111 + 1111 + 1) \times 111 + 11 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(2222 + 2222 + 2) \times 222 + 22 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(3333 + 3333 + 3) \times 333 + 33 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(4444 + 4444 + 4) \times 444 + 44 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(5555 + 5555 + 5) \times 555 + 55 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(6666 + 6666 + 6) \times 666 + 66 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \\ &:= \frac{(7777 + 7777 + 7) \times 777 + 77 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(8888 + 8888 + 8) \times 888 + 88 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(9999 + 9999 + 9) \times 999 + 99 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)} \end{aligned}$$

822262

$$\begin{aligned} &:= \frac{(11111 + 11111 + 1) \times 111 + 11 \times (1 + 1 + 1)}{1 \times (1 + 1 + 1)} = \frac{(22222 + 22222 + 2) \times 222 + 22 \times (2 + 2 + 2)}{2 \times (2 + 2 + 2)} = \frac{(33333 + 33333 + 3) \times 333 + 33 \times (3 + 3 + 3)}{3 \times (3 + 3 + 3)} \\ &:= \frac{(44444 + 44444 + 4) \times 444 + 44 \times (4 + 4 + 4)}{4 \times (4 + 4 + 4)} = \frac{(55555 + 55555 + 5) \times 555 + 55 \times (5 + 5 + 5)}{5 \times (5 + 5 + 5)} = \frac{(66666 + 66666 + 6) \times 666 + 66 \times (6 + 6 + 6)}{6 \times (6 + 6 + 6)} \end{aligned}$$

$$:= \frac{(77777 + 77777 + 7) \times 777 + 77 \times (7 + 7 + 7)}{7 \times (7 + 7 + 7)} = \frac{(88888 + 88888 + 8) \times 888 + 88 \times (8 + 8 + 8)}{8 \times (8 + 8 + 8)} = \frac{(99999 + 99999 + 9) \times 999 + 99 \times (9 + 9 + 9)}{9 \times (9 + 9 + 9)}$$

► **863** := $\frac{(11 + 1) \times (11 + 1) \times (11 + 1) - (1 + 1) \times 1 \times 1}{(1 + 1) \times 1 \times 1} = \frac{(22 + 2) \times (22 + 2) \times (22 + 2) - (2 + 2) \times 2 \times 2}{(2 + 2) \times 2 \times 2} = \frac{(33 + 3) \times (33 + 3) \times (33 + 3) - (3 + 3) \times 3 \times 3}{(3 + 3) \times 3 \times 3}$

$$:= \frac{(44 + 4) \times (44 + 4) \times (44 + 4) - (4 + 4) \times 4 \times 4}{(4 + 4) \times 4 \times 4} = \frac{(55 + 5) \times (55 + 5) \times (55 + 5) - (5 + 5) \times 5 \times 5}{(5 + 5) \times 5 \times 5} = \frac{(66 + 6) \times (66 + 6) \times (66 + 6) - (6 + 6) \times 6 \times 6}{(6 + 6) \times 6 \times 6}$$
$$:= \frac{(77 + 7) \times (77 + 7) \times (77 + 7) - (7 + 7) \times 7 \times 7}{(7 + 7) \times 7 \times 7} = \frac{(88 + 8) \times (88 + 8) \times (88 + 8) - (8 + 8) \times 8 \times 8}{(8 + 8) \times 8 \times 8} = \frac{(99 + 9) \times (99 + 9) \times (99 + 9) - (9 + 9) \times 9 \times 9}{(9 + 9) \times 9 \times 9}$$

8063 := $\frac{(111 + 1) \times (11 + 1) \times (11 + 1) - (1 + 1) \times 1 \times 1}{(1 + 1) \times 1 \times 1} = \frac{(222 + 2) \times (22 + 2) \times (22 + 2) - (2 + 2) \times 2 \times 2}{(2 + 2) \times 2 \times 2} = \frac{(333 + 3) \times (33 + 3) \times (33 + 3) - (3 + 3) \times 3 \times 3}{(3 + 3) \times 3 \times 3}$

$$:= \frac{(444 + 4) \times (44 + 4) \times (44 + 4) - (4 + 4) \times 4 \times 4}{(4 + 4) \times 4 \times 4} = \frac{(555 + 5) \times (55 + 5) \times (55 + 5) - (5 + 5) \times 5 \times 5}{(5 + 5) \times 5 \times 5} = \frac{(666 + 6) \times (66 + 6) \times (66 + 6) - (6 + 6) \times 6 \times 6}{(6 + 6) \times 6 \times 6}$$
$$:= \frac{(777 + 7) \times (77 + 7) \times (77 + 7) - (7 + 7) \times 7 \times 7}{(7 + 7) \times 7 \times 7} = \frac{(888 + 8) \times (88 + 8) \times (88 + 8) - (8 + 8) \times 8 \times 8}{(8 + 8) \times 8 \times 8} = \frac{(999 + 9) \times (99 + 9) \times (99 + 9) - (9 + 9) \times 9 \times 9}{(9 + 9) \times 9 \times 9}$$

80063 := $\frac{(1111 + 1) \times (11 + 1) \times (11 + 1) - (1 + 1) \times 1 \times 1}{(1 + 1) \times 1 \times 1} = \frac{(2222 + 2) \times (22 + 2) \times (22 + 2) - (2 + 2) \times 2 \times 2}{(2 + 2) \times 2 \times 2} = \frac{(3333 + 3) \times (33 + 3) \times (33 + 3) - (3 + 3) \times 3 \times 3}{(3 + 3) \times 3 \times 3}$

$$:= \frac{(4444 + 4) \times (44 + 4) \times (44 + 4) - (4 + 4) \times 4 \times 4}{(4 + 4) \times 4 \times 4} = \frac{(5555 + 5) \times (55 + 5) \times (55 + 5) - (5 + 5) \times 5 \times 5}{(5 + 5) \times 5 \times 5} = \frac{(6666 + 6) \times (66 + 6) \times (66 + 6) - (6 + 6) \times 6 \times 6}{(6 + 6) \times 6 \times 6}$$
$$:= \frac{(7777 + 7) \times (77 + 7) \times (77 + 7) - (7 + 7) \times 7 \times 7}{(7 + 7) \times 7 \times 7} = \frac{(8888 + 8) \times (88 + 8) \times (88 + 8) - (8 + 8) \times 8 \times 8}{(8 + 8) \times 8 \times 8} = \frac{(9999 + 9) \times (99 + 9) \times (99 + 9) - (9 + 9) \times 9 \times 9}{(9 + 9) \times 9 \times 9}$$

800063 := $\frac{(11111 + 1) \times (11 + 1) \times (11 + 1) - (1 + 1) \times 1 \times 1}{(1 + 1) \times 1 \times 1} = \frac{(22222 + 2) \times (22 + 2) \times (22 + 2) - (2 + 2) \times 2 \times 2}{(2 + 2) \times 2 \times 2} = \frac{(33333 + 3) \times (33 + 3) \times (33 + 3) - (3 + 3) \times 3 \times 3}{(3 + 3) \times 3 \times 3}$

$$:= \frac{(44444 + 4) \times (44 + 4) \times (44 + 4) - (4 + 4) \times 4 \times 4}{(4 + 4) \times 4 \times 4} = \frac{(55555 + 5) \times (55 + 5) \times (55 + 5) - (5 + 5) \times 5 \times 5}{(5 + 5) \times 5 \times 5} = \frac{(66666 + 6) \times (66 + 6) \times (66 + 6) - (6 + 6) \times 6 \times 6}{(6 + 6) \times 6 \times 6}$$
$$:= \frac{(77777 + 7) \times (77 + 7) \times (77 + 7) - (7 + 7) \times 7 \times 7}{(7 + 7) \times 7 \times 7} = \frac{(88888 + 8) \times (88 + 8) \times (88 + 8) - (8 + 8) \times 8 \times 8}{(8 + 8) \times 8 \times 8} = \frac{(99999 + 9) \times (99 + 9) \times (99 + 9) - (9 + 9) \times 9 \times 9}{(9 + 9) \times 9 \times 9}$$

► **864** := $\frac{(11 + 1) \times (11 + 1) \times (11 + 1)}{(1 + 1) \times 1 \times 1} = \frac{(22 + 2) \times (22 + 2) \times (22 + 2)}{(2 + 2) \times 2 \times 2} = \frac{(33 + 3) \times (33 + 3) \times (33 + 3)}{(3 + 3) \times 3 \times 3}$

$$:= \frac{(44 + 4) \times (44 + 4) \times (44 + 4)}{(4 + 4) \times 4 \times 4} = \frac{(55 + 5) \times (55 + 5) \times (55 + 5)}{(5 + 5) \times 5 \times 5} = \frac{(66 + 6) \times (66 + 6) \times (66 + 6)}{(6 + 6) \times 6 \times 6}$$
$$:= \frac{(77 + 7) \times (77 + 7) \times (77 + 7)}{(7 + 7) \times 7 \times 7} = \frac{(88 + 8) \times (88 + 8) \times (88 + 8)}{(8 + 8) \times 8 \times 8} = \frac{(99 + 9) \times (99 + 9) \times (99 + 9)}{(9 + 9) \times 9 \times 9}$$

8064 := $\frac{(111 + 1) \times (11 + 1) \times (11 + 1)}{(1 + 1) \times 1 \times 1} = \frac{(222 + 2) \times (22 + 2) \times (22 + 2)}{(2 + 2) \times 2 \times 2} = \frac{(333 + 3) \times (33 + 3) \times (33 + 3)}{(3 + 3) \times 3 \times 3}$

$$:= \frac{(444 + 4) \times (44 + 4) \times (44 + 4)}{(4 + 4) \times 4 \times 4} = \frac{(555 + 5) \times (55 + 5) \times (55 + 5)}{(5 + 5) \times 5 \times 5} = \frac{(666 + 6) \times (66 + 6) \times (66 + 6)}{(6 + 6) \times 6 \times 6}$$
$$:= \frac{(777 + 7) \times (77 + 7) \times (77 + 7)}{(7 + 7) \times 7 \times 7} = \frac{(888 + 8) \times (88 + 8) \times (88 + 8)}{(8 + 8) \times 8 \times 8} = \frac{(999 + 9) \times (99 + 9) \times (99 + 9)}{(9 + 9) \times 9 \times 9}$$

80064

$$\begin{aligned}
 &:= \frac{(1111+1) \times (11+1) \times (11+1)}{(1+1) \times 1 \times 1} = \frac{(2222+2) \times (22+2) \times (22+2)}{(2+2) \times 2 \times 2} = \frac{(3333+3) \times (33+3) \times (33+3)}{(3+3) \times 3 \times 3} \\
 &:= \frac{(4444+4) \times (44+4) \times (44+4)}{(4+4) \times 4 \times 4} = \frac{(5555+5) \times (55+5) \times (55+5)}{(5+5) \times 5 \times 5} = \frac{(6666+6) \times (66+6) \times (66+6)}{(6+6) \times 6 \times 6} \\
 &:= \frac{(7777+7) \times (77+7) \times (77+7)}{(7+7) \times 7 \times 7} = \frac{(8888+8) \times (88+8) \times (88+8)}{(8+8) \times 8 \times 8} = \frac{(9999+9) \times (99+9) \times (99+9)}{(9+9) \times 9 \times 9}
 \end{aligned}$$

800064

$$\begin{aligned}
 &:= \frac{(11111+1) \times (11+1) \times (11+1)}{(1+1) \times 1 \times 1} = \frac{(22222+2) \times (22+2) \times (22+2)}{(2+2) \times 2 \times 2} = \frac{(33333+3) \times (33+3) \times (33+3)}{(3+3) \times 3 \times 3} \\
 &:= \frac{(44444+4) \times (44+4) \times (44+4)}{(4+4) \times 4 \times 4} = \frac{(55555+5) \times (55+5) \times (55+5)}{(5+5) \times 5 \times 5} = \frac{(66666+6) \times (66+6) \times (66+6)}{(6+6) \times 6 \times 6} \\
 &:= \frac{(77777+7) \times (77+7) \times (77+7)}{(7+7) \times 7 \times 7} = \frac{(88888+8) \times (88+8) \times (88+8)}{(8+8) \times 8 \times 8} = \frac{(99999+9) \times (99+9) \times (99+9)}{(9+9) \times 9 \times 9}
 \end{aligned}$$

865

$$\begin{aligned}
 &:= \frac{1111-111-111-11-11-1-1}{1} = \frac{2222-222-222-22-22-2-2}{2} = \frac{3333-333-333-33-33-3-3}{3} \\
 &:= \frac{4444-444-444-44-44-4-4}{4} = \frac{5555-555-555-55-55-5-5}{5} = \frac{6666-666-666-66-66-6-6}{6} \\
 &:= \frac{7777-777-777-77-77-7-7}{7} = \frac{8888-888-888-88-88-8-8}{8} = \frac{9999-999-999-99-99-9-9}{9}
 \end{aligned}$$

9865

$$\begin{aligned}
 &:= \frac{11111-1111-111-11-11-1-1}{1} = \frac{22222-2222-222-22-22-2-2}{2} = \frac{33333-3333-333-33-33-3-3}{3} \\
 &:= \frac{44444-4444-444-44-44-4-4}{4} = \frac{55555-5555-555-55-55-5-5}{5} = \frac{66666-6666-666-66-66-6-6}{6} \\
 &:= \frac{77777-7777-777-77-77-7-7}{7} = \frac{88888-8888-888-88-88-8-8}{8} = \frac{99999-9999-999-99-99-9-9}{9}
 \end{aligned}$$

99865

$$\begin{aligned}
 &:= \frac{111111-11111-111-11-11-1-1}{1} = \frac{222222-22222-222-22-22-2-2}{2} = \frac{333333-33333-333-33-33-3-3}{3} \\
 &:= \frac{444444-44444-444-44-44-4-4}{4} = \frac{555555-55555-555-55-55-5-5}{5} = \frac{666666-66666-666-66-66-6-6}{6} \\
 &:= \frac{777777-77777-777-77-77-7-7}{7} = \frac{888888-88888-888-88-88-8-8}{8} = \frac{999999-99999-999-99-99-9-9}{9}
 \end{aligned}$$

999865

$$\begin{aligned}
 &:= \frac{1111111-111111-111-11-11-1-1}{1} = \frac{2222222-222222-222-22-22-2-2}{2} = \frac{3333333-333333-333-33-33-3-3}{3} \\
 &:= \frac{4444444-444444-444-44-44-4-4}{4} = \frac{5555555-555555-555-55-55-5-5}{5} = \frac{6666666-666666-666-66-66-6-6}{6} \\
 &:= \frac{7777777-777777-777-77-77-7-7}{7} = \frac{8888888-888888-888-88-88-8-8}{8} = \frac{9999999-999999-999-99-99-9-9}{9}
 \end{aligned}$$

866

$$\begin{aligned}
 &:= \frac{1111-111-111-11-11-1}{1} = \frac{2222-222-222-22-22-2}{2} = \frac{3333-333-333-33-33-3}{3}
 \end{aligned}$$

$$\begin{aligned} &:= \frac{4444 - 444 - 444 - 44 - 44 - 4}{4} = \frac{5555 - 555 - 555 - 55 - 55 - 5}{5} = \frac{6666 - 666 - 666 - 66 - 66 - 6}{6} \\ &:= \frac{7777 - 777 - 777 - 77 - 77 - 7}{7} = \frac{8888 - 888 - 888 - 88 - 88 - 8}{8} = \frac{9999 - 999 - 999 - 99 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9866} &:= \frac{11111 - 1111 - 111 - 11 - 11 - 1}{1} = \frac{22222 - 2222 - 222 - 22 - 22 - 2}{2} = \frac{33333 - 3333 - 333 - 33 - 33 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 44 - 44 - 4}{4} = \frac{55555 - 5555 - 555 - 55 - 55 - 5}{5} = \frac{66666 - 6666 - 666 - 66 - 66 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 77 - 77 - 7}{7} = \frac{88888 - 8888 - 888 - 88 - 88 - 8}{8} = \frac{99999 - 9999 - 999 - 99 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99866} &:= \frac{111111 - 11111 - 111 - 11 - 11 - 1}{1} = \frac{222222 - 22222 - 222 - 22 - 22 - 2}{2} = \frac{333333 - 33333 - 333 - 33 - 33 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 44 - 44 - 4}{4} = \frac{555555 - 55555 - 555 - 55 - 55 - 5}{5} = \frac{666666 - 66666 - 666 - 66 - 66 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 - 77 - 7}{7} = \frac{888888 - 88888 - 888 - 88 - 88 - 8}{8} = \frac{999999 - 99999 - 999 - 99 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999866} &:= \frac{1111111 - 111111 - 111 - 11 - 11 - 1}{1} = \frac{2222222 - 222222 - 222 - 22 - 22 - 2}{2} = \frac{3333333 - 333333 - 333 - 33 - 33 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 - 44 - 4}{4} = \frac{5555555 - 555555 - 555 - 55 - 55 - 5}{5} = \frac{6666666 - 666666 - 666 - 66 - 66 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 - 77 - 7}{7} = \frac{8888888 - 888888 - 888 - 88 - 88 - 8}{8} = \frac{9999999 - 999999 - 999 - 99 - 99 - 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{867} &:= \frac{1111 - 111 - 111 - 11 - 11}{1} = \frac{2222 - 222 - 222 - 22 - 22}{2} = \frac{3333 - 333 - 333 - 33 - 33}{3} \\ &:= \frac{4444 - 444 - 444 - 44 - 44}{4} = \frac{5555 - 555 - 555 - 55 - 55}{5} = \frac{6666 - 666 - 666 - 66 - 66}{6} \\ &:= \frac{7777 - 777 - 777 - 77 - 77}{7} = \frac{8888 - 888 - 888 - 88 - 88}{8} = \frac{9999 - 999 - 999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9867} &:= \frac{11111 - 1111 - 111 - 11 - 11}{1} = \frac{22222 - 2222 - 222 - 22 - 22}{2} = \frac{33333 - 3333 - 333 - 33 - 33}{3} \\ &:= \frac{44444 - 4444 - 444 - 44 - 44}{4} = \frac{55555 - 5555 - 555 - 55 - 55}{5} = \frac{66666 - 6666 - 666 - 66 - 66}{6} \\ &:= \frac{77777 - 7777 - 777 - 77 - 77}{7} = \frac{88888 - 8888 - 888 - 88 - 88}{8} = \frac{99999 - 9999 - 999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99867} &:= \frac{111111 - 11111 - 111 - 11 - 11}{1} = \frac{222222 - 22222 - 222 - 22 - 22}{2} = \frac{333333 - 33333 - 333 - 33 - 33}{3} \\ &:= \frac{444444 - 44444 - 444 - 44 - 44}{4} = \frac{555555 - 55555 - 555 - 55 - 55}{5} = \frac{666666 - 66666 - 666 - 66 - 66}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 - 77}{7} = \frac{888888 - 88888 - 888 - 88 - 88}{8} = \frac{999999 - 99999 - 999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \text{999867} &:= \frac{1111111 - 111111 - 111 - 11 - 11}{1} = \frac{2222222 - 222222 - 222 - 22 - 22}{2} = \frac{3333333 - 333333 - 333 - 33 - 33}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 - 44}{4} = \frac{5555555 - 555555 - 555 - 55 - 55}{5} = \frac{6666666 - 666666 - 666 - 66 - 66}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 - 77}{7} = \frac{8888888 - 888888 - 888 - 88 - 88}{8} = \frac{9999999 - 999999 - 999 - 99 - 99}{9} \end{aligned}$$

► **868** := $\frac{1111 - 111 - 111 - 11 - 11 + 1}{1} = \frac{2222 - 222 - 222 - 22 - 22 + 2}{2} = \frac{3333 - 333 - 333 - 33 - 33 + 3}{3}$
:= $\frac{4444 - 444 - 444 - 44 - 44 + 4}{4} = \frac{5555 - 555 - 555 - 55 - 55 + 5}{5} = \frac{6666 - 666 - 666 - 66 - 66 + 6}{6}$
:= $\frac{7777 - 777 - 777 - 77 - 77 + 7}{7} = \frac{8888 - 888 - 888 - 88 - 88 + 8}{8} = \frac{9999 - 999 - 999 - 99 - 99 + 9}{9}$

$$\begin{aligned} \mathbf{9868} &:= \frac{11111 - 1111 - 111 - 11 - 11 + 1}{1} = \frac{22222 - 2222 - 222 - 22 - 22 + 2}{2} = \frac{33333 - 3333 - 333 - 33 - 33 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 44 - 44 + 4}{4} = \frac{55555 - 5555 - 555 - 55 - 55 + 5}{5} = \frac{66666 - 6666 - 666 - 66 - 66 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 77 - 77 + 7}{7} = \frac{88888 - 8888 - 888 - 88 - 88 + 8}{8} = \frac{99999 - 9999 - 999 - 99 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{99868} &:= \frac{111111 - 11111 - 111 - 11 - 11 + 1}{1} = \frac{222222 - 22222 - 222 - 22 - 22 + 2}{2} = \frac{333333 - 33333 - 333 - 33 - 33 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 44 - 44 + 4}{4} = \frac{555555 - 55555 - 555 - 55 - 55 + 5}{5} = \frac{666666 - 66666 - 666 - 66 - 66 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 - 77 + 7}{7} = \frac{888888 - 88888 - 888 - 88 - 88 + 8}{8} = \frac{999999 - 99999 - 999 - 99 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{999868} &:= \frac{1111111 - 111111 - 111 - 11 - 11 + 1}{1} = \frac{2222222 - 222222 - 222 - 22 - 22 + 2}{2} = \frac{3333333 - 333333 - 333 - 33 - 33 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 - 44 + 4}{4} = \frac{5555555 - 555555 - 555 - 55 - 55 + 5}{5} = \frac{6666666 - 666666 - 666 - 66 - 66 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 - 77 + 7}{7} = \frac{8888888 - 888888 - 888 - 88 - 88 + 8}{8} = \frac{9999999 - 999999 - 999 - 99 - 99 + 9}{9} \end{aligned}$$

► **869** := $\frac{1111 - 111 - 111 - 11 - 11 + 1 + 1}{1} = \frac{2222 - 222 - 222 - 22 - 22 + 2 + 2}{2} = \frac{3333 - 333 - 333 - 33 - 33 + 3 + 3}{3}$
 := $\frac{4444 - 444 - 444 - 44 - 44 + 4 + 4}{4} = \frac{5555 - 555 - 555 - 55 - 55 + 5 + 5}{5} = \frac{6666 - 666 - 666 - 66 - 66 + 6 + 6}{6}$
 := $\frac{7777 - 777 - 777 - 77 - 77 + 7 + 7}{7} = \frac{8888 - 888 - 888 - 88 - 88 + 8 + 8}{8} = \frac{9999 - 999 - 999 - 99 - 99 + 9 + 9}{9}$

$$\begin{aligned} \mathbf{9869} &:= \frac{11111 - 1111 - 111 - 11 - 11 + 1 + 1}{1} = \frac{22222 - 2222 - 222 - 22 - 22 + 2 + 2}{2} = \frac{33333 - 3333 - 333 - 33 - 33 + 3 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 44 - 44 + 4 + 4}{4} = \frac{55555 - 5555 - 555 - 55 - 55 + 5 + 5}{5} = \frac{66666 - 6666 - 666 - 66 - 66 + 6 + 6}{6} \end{aligned}$$

$$\begin{aligned} &:= \frac{77777-7777-777-77-77+7+7}{7} = \frac{88888-8888-888-88-88+8+8}{8} = \frac{99999-9999-999-99-99+9+9}{9} \\ \textcolor{red}{99869} &:= \frac{111111-11111-111-11-11+1+1}{1} = \frac{222222-22222-222-22-22+2+2}{2} = \frac{333333-33333-333-33-33+3+3}{3} \\ &:= \frac{444444-44444-444-44-44+4+4}{4} = \frac{555555-55555-555-55-55+5+5}{5} = \frac{666666-66666-666-66-66+6+6}{6} \\ &:= \frac{777777-77777-777-77-77+7+7}{7} = \frac{888888-88888-888-88-88+8+8}{8} = \frac{999999-99999-999-99-99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999869} &:= \frac{1111111-111111-111-11-11+1+1}{1} = \frac{2222222-222222-222-22-22+2+2}{2} = \frac{3333333-333333-333-33-33+3+3}{3} \\ &:= \frac{4444444-444444-444-44-44+4+4}{4} = \frac{5555555-555555-555-55-55+5+5}{5} = \frac{6666666-666666-666-66-66+6+6}{6} \\ &:= \frac{7777777-777777-777-77-77+7+7}{7} = \frac{8888888-888888-888-88-88+8+8}{8} = \frac{9999999-999999-999-99-99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{870} &:= \frac{(111-1-1) \times (11-1-1-1) - 1 \times (1+1)}{1 \times 1} = \frac{(222-2-2) \times (22-2-2-2) - 2 \times (2+2)}{2 \times 2} = \frac{(333-3-3) \times (33-3-3-3) - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(444-4-4) \times (44-4-4-4) - 4 \times (4+4)}{4 \times 4} = \frac{(555-5-5) \times (55-5-5-5) - 5 \times (5+5)}{5 \times 5} = \frac{(666-6-6) \times (66-6-6-6) - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777-7-7) \times (77-7-7-7) - 7 \times (7+7)}{7 \times 7} = \frac{(888-8-8) \times (88-8-8-8) - 8 \times (8+8)}{8 \times 8} = \frac{(999-9-9) \times (99-9-9-9) - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8870} &:= \frac{(1111-1-1) \times (11-1-1-1) - 1 \times (1+1)}{1 \times 1} = \frac{(2222-2-2) \times (22-2-2-2) - 2 \times (2+2)}{2 \times 2} = \frac{(3333-3-3) \times (33-3-3-3) - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(4444-4-4) \times (44-4-4-4) - 4 \times (4+4)}{4 \times 4} = \frac{(5555-5-5) \times (55-5-5-5) - 5 \times (5+5)}{5 \times 5} = \frac{(6666-6-6) \times (66-6-6-6) - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(7777-7-7) \times (77-7-7-7) - 7 \times (7+7)}{7 \times 7} = \frac{(8888-8-8) \times (88-8-8-8) - 8 \times (8+8)}{8 \times 8} = \frac{(9999-9-9) \times (99-9-9-9) - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88870} &:= \frac{(11111-1-1) \times (11-1-1-1) - 1 \times (1+1)}{1 \times 1} = \frac{(22222-2-2) \times (22-2-2-2) - 2 \times (2+2)}{2 \times 2} = \frac{(33333-3-3) \times (33-3-3-3) - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44444-4-4) \times (44-4-4-4) - 4 \times (4+4)}{4 \times 4} = \frac{(55555-5-5) \times (55-5-5-5) - 5 \times (5+5)}{5 \times 5} = \frac{(66666-6-6) \times (66-6-6-6) - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (77-7-7-7) - 7 \times (7+7)}{7 \times 7} = \frac{(88888-8-8) \times (88-8-8-8) - 8 \times (8+8)}{8 \times 8} = \frac{(99999-9-9) \times (99-9-9-9) - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{888870} &:= \frac{(111111-1-1) \times (11-1-1-1) - 1 \times (1+1)}{1 \times 1} = \frac{(222222-2-2) \times (22-2-2-2) - 2 \times (2+2)}{2 \times 2} = \frac{(333333-3-3) \times (33-3-3-3) - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(444444-4-4) \times (44-4-4-4) - 4 \times (4+4)}{4 \times 4} = \frac{(555555-5-5) \times (55-5-5-5) - 5 \times (5+5)}{5 \times 5} = \frac{(666666-6-6) \times (66-6-6-6) - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (77-7-7-7) - 7 \times (7+7)}{7 \times 7} = \frac{(888888-8-8) \times (88-8-8-8) - 8 \times (8+8)}{8 \times 8} = \frac{(999999-9-9) \times (99-9-9-9) - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{871} &:= \frac{(111-1-1) \times (11-1-1-1) - 1 \times 1}{1 \times 1} = \frac{(222-2-2) \times (22-2-2-2) - 2 \times 2}{2 \times 2} = \frac{(333-3-3) \times (33-3-3-3) - 3 \times 3}{3 \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(444-4-4) \times (44-4-4-4) - 4 \times 4}{4 \times 4} = \frac{(555-5-5) \times (55-5-5-5) - 5 \times 5}{5 \times 5} = \frac{(666-6-6) \times (66-6-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777-7-7) \times (77-7-7-7) - 7 \times 7}{7 \times 7} = \frac{(888-8-8) \times (88-8-8-8) - 8 \times 8}{8 \times 8} = \frac{(999-9-9) \times (99-9-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8871} &:= \frac{(1111-1-1) \times (11-1-1-1) - 1 \times 1}{1 \times 1} = \frac{(2222-2-2) \times (22-2-2-2) - 2 \times 2}{2 \times 2} = \frac{(3333-3-3) \times (33-3-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4-4) \times (44-4-4-4) - 4 \times 4}{4 \times 4} = \frac{(5555-5-5) \times (55-5-5-5) - 5 \times 5}{5 \times 5} = \frac{(6666-6-6) \times (66-6-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7-7) \times (77-7-7-7) - 7 \times 7}{7 \times 7} = \frac{(8888-8-8) \times (88-8-8-8) - 8 \times 8}{8 \times 8} = \frac{(9999-9-9) \times (99-9-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88871} &:= \frac{(11111-1-1) \times (11-1-1-1) - 1 \times 1}{1 \times 1} = \frac{(22222-2-2) \times (22-2-2-2) - 2 \times 2}{2 \times 2} = \frac{(33333-3-3) \times (33-3-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4-4) \times (44-4-4-4) - 4 \times 4}{4 \times 4} = \frac{(55555-5-5) \times (55-5-5-5) - 5 \times 5}{5 \times 5} = \frac{(66666-6-6) \times (66-6-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (77-7-7-7) - 7 \times 7}{7 \times 7} = \frac{(88888-8-8) \times (88-8-8-8) - 8 \times 8}{8 \times 8} = \frac{(99999-9-9) \times (99-9-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{888871} &:= \frac{(111111-1-1) \times (11-1-1-1) - 1 \times 1}{1 \times 1} = \frac{(222222-2-2) \times (22-2-2-2) - 2 \times 2}{2 \times 2} = \frac{(333333-3-3) \times (33-3-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4-4) \times (44-4-4-4) - 4 \times 4}{4 \times 4} = \frac{(555555-5-5) \times (55-5-5-5) - 5 \times 5}{5 \times 5} = \frac{(666666-6-6) \times (66-6-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (77-7-7-7) - 7 \times 7}{7 \times 7} = \frac{(888888-8-8) \times (88-8-8-8) - 8 \times 8}{8 \times 8} = \frac{(999999-9-9) \times (99-9-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{872} &:= \frac{(111-1-1) \times (11-1-1-1)}{1 \times 1} = \frac{(222-2-2) \times (22-2-2-2)}{2 \times 2} = \frac{(333-3-3) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(444-4-4) \times (44-4-4-4)}{4 \times 4} = \frac{(555-5-5) \times (55-5-5-5)}{5 \times 5} = \frac{(666-6-6) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(777-7-7) \times (77-7-7-7)}{7 \times 7} = \frac{(888-8-8) \times (88-8-8-8)}{8 \times 8} = \frac{(999-9-9) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8872} &:= \frac{(1111-1-1) \times (11-1-1-1)}{1 \times 1} = \frac{(2222-2-2) \times (22-2-2-2)}{2 \times 2} = \frac{(3333-3-3) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(4444-4-4) \times (44-4-4-4)}{4 \times 4} = \frac{(5555-5-5) \times (55-5-5-5)}{5 \times 5} = \frac{(6666-6-6) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(7777-7-7) \times (77-7-7-7)}{7 \times 7} = \frac{(8888-8-8) \times (88-8-8-8)}{8 \times 8} = \frac{(9999-9-9) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88872} &:= \frac{(11111-1-1) \times (11-1-1-1)}{1 \times 1} = \frac{(22222-2-2) \times (22-2-2-2)}{2 \times 2} = \frac{(33333-3-3) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(44444-4-4) \times (44-4-4-4)}{4 \times 4} = \frac{(55555-5-5) \times (55-5-5-5)}{5 \times 5} = \frac{(66666-6-6) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (77-7-7-7)}{7 \times 7} = \frac{(88888-8-8) \times (88-8-8-8)}{8 \times 8} = \frac{(99999-9-9) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

888872

$$\begin{aligned} &:= \frac{(111111-1-1) \times (11-1-1-1)}{1 \times 1} = \frac{(222222-2-2) \times (22-2-2-2)}{2 \times 2} = \frac{(333333-3-3) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(444444-4-4) \times (44-4-4-4)}{4 \times 4} = \frac{(555555-5-5) \times (55-5-5-5)}{5 \times 5} = \frac{(666666-6-6) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (77-7-7-7)}{7 \times 7} = \frac{(888888-8-8) \times (88-8-8-8)}{8 \times 8} = \frac{(999999-9-9) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

► 873

$$\begin{aligned} &:= \frac{(111-1-1) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(222-2-2) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(333-3-3) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-4-4) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(555-5-5) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(666-6-6) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-7-7) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(888-8-8) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(999-9-9) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

8873

$$\begin{aligned} &:= \frac{(1111-1-1) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(2222-2-2) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(3333-3-3) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4-4) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(5555-5-5) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(6666-6-6) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7-7) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(8888-8-8) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(9999-9-9) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

88873

$$\begin{aligned} &:= \frac{(11111-1-1) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(22222-2-2) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(33333-3-3) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4-4) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(55555-5-5) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(66666-6-6) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(88888-8-8) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(99999-9-9) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

888873

$$\begin{aligned} &:= \frac{(111111-1-1) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(222222-2-2) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(333333-3-3) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4-4) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(555555-5-5) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(666666-6-6) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(888888-8-8) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(999999-9-9) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► 874

$$\begin{aligned} &:= \frac{1111-111-111-11-1-1-1-1}{1} = \frac{2222-222-222-22-2-2-2-2}{2} = \frac{3333-333-333-33-3-3-3-3}{3} \\ &:= \frac{4444-444-444-44-4-4-4-4}{4} = \frac{5555-555-555-55-5-5-5-5}{5} = \frac{6666-666-666-66-6-6-6-6}{6} \\ &:= \frac{7777-777-777-77-7-7-7-7}{7} = \frac{8888-888-888-88-8-8-8-8}{8} = \frac{9999-999-999-99-9-9-9-9}{9} \end{aligned}$$

9874

$$\begin{aligned} &:= \frac{11111-1111-111-11-1-1-1-1}{1} = \frac{22222-2222-222-22-2-2-2-2}{2} = \frac{33333-3333-333-33-3-3-3-3}{3} \\ &:= \frac{44444-4444-444-44-4-4-4-4}{4} = \frac{55555-5555-555-55-5-5-5-5}{5} = \frac{66666-6666-666-66-6-6-6-6}{6} \end{aligned}$$

$$:= \frac{77777-7777-777-77-7-7-7-7}{7} = \frac{88888-8888-888-88-8-8-8-8}{8} = \frac{99999-9999-999-99-9-9-9-9}{9}$$

99874

$$:= \frac{111111-11111-111-11-1-1-1-1}{1} = \frac{222222-22222-222-22-2-2-2-2}{2} = \frac{333333-33333-333-33-3-3-3-3}{3}$$
$$:= \frac{444444-44444-444-44-4-4-4-4}{4} = \frac{555555-55555-555-55-5-5-5-5}{5} = \frac{666666-66666-666-66-6-6-6-6}{6}$$
$$:= \frac{777777-77777-777-77-7-7-7-7}{7} = \frac{888888-88888-888-88-8-8-8-8}{8} = \frac{999999-99999-999-99-9-9-9-9}{9}$$

999874

$$:= \frac{1111111-111111-111-11-1-1-1-1}{1} = \frac{2222222-222222-222-22-2-2-2-2}{2} = \frac{3333333-333333-333-33-3-3-3-3}{3}$$
$$:= \frac{4444444-444444-444-44-4-4-4-4}{4} = \frac{5555555-555555-555-55-5-5-5-5}{5} = \frac{6666666-666666-666-66-6-6-6-6}{6}$$
$$:= \frac{7777777-777777-777-77-7-7-7-7}{7} = \frac{8888888-888888-888-88-8-8-8-8}{8} = \frac{9999999-999999-999-99-9-9-9-9}{9}$$

► 875

$$:= \frac{1111-111-111-11-1-1-1}{1} = \frac{2222-222-222-22-2-2-2}{2} = \frac{3333-333-333-33-3-3-3}{3}$$
$$:= \frac{4444-444-444-44-4-4-4}{4} = \frac{5555-555-555-55-5-5-5}{5} = \frac{6666-666-666-66-6-6-6}{6}$$
$$:= \frac{7777-777-777-77-7-7-7}{7} = \frac{8888-888-888-88-8-8-8}{8} = \frac{9999-999-999-99-9-9-9}{9}$$

9875

$$:= \frac{11111-1111-111-11-1-1-1}{1} = \frac{22222-2222-222-22-2-2-2}{2} = \frac{33333-3333-333-33-3-3-3}{3}$$
$$:= \frac{44444-4444-444-44-4-4-4}{4} = \frac{55555-5555-555-55-5-5-5}{5} = \frac{66666-6666-666-66-6-6-6}{6}$$
$$:= \frac{77777-7777-777-77-7-7-7}{7} = \frac{88888-8888-888-88-8-8-8}{8} = \frac{99999-9999-999-99-9-9-9}{9}$$

99875

$$:= \frac{111111-11111-111-11-1-1-1}{1} = \frac{222222-22222-222-22-2-2-2}{2} = \frac{333333-33333-333-33-3-3-3}{3}$$
$$:= \frac{444444-44444-444-44-4-4-4}{4} = \frac{555555-55555-555-55-5-5-5}{5} = \frac{666666-66666-666-66-6-6-6}{6}$$
$$:= \frac{777777-77777-777-77-7-7-7}{7} = \frac{888888-88888-888-88-8-8-8}{8} = \frac{999999-99999-999-99-9-9-9}{9}$$

999875

$$:= \frac{1111111-111111-111-11-1-1-1}{1} = \frac{2222222-222222-222-22-2-2-2}{2} = \frac{3333333-333333-333-33-3-3-3}{3}$$
$$:= \frac{4444444-444444-444-44-4-4-4}{4} = \frac{5555555-555555-555-55-5-5-5}{5} = \frac{6666666-666666-666-66-6-6-6}{6}$$
$$:= \frac{7777777-777777-777-77-7-7-7}{7} = \frac{8888888-888888-888-88-8-8-8}{8} = \frac{9999999-999999-999-99-9-9-9}{9}$$

► 876

$$:= \frac{1111-111-111-11-1-1}{1} = \frac{2222-222-222-22-2-2}{2} = \frac{3333-333-333-33-3-3}{3}$$

$$\begin{aligned} &:= \frac{4444 - 444 - 444 - 44 - 4 - 4}{4} = \frac{5555 - 555 - 555 - 55 - 5 - 5}{5} = \frac{6666 - 666 - 666 - 66 - 6 - 6}{6} \\ &:= \frac{7777 - 777 - 777 - 77 - 7 - 7}{7} = \frac{8888 - 888 - 888 - 88 - 8 - 8}{8} = \frac{9999 - 999 - 999 - 99 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9876} &:= \frac{11111 - 1111 - 111 - 11 - 1 - 1}{1} = \frac{22222 - 2222 - 222 - 22 - 2 - 2}{2} = \frac{33333 - 3333 - 333 - 33 - 3 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 44 - 4 - 4}{4} = \frac{55555 - 5555 - 555 - 55 - 5 - 5}{5} = \frac{66666 - 6666 - 666 - 66 - 6 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 77 - 7 - 7}{7} = \frac{88888 - 8888 - 888 - 88 - 8 - 8}{8} = \frac{99999 - 9999 - 999 - 99 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99876} &:= \frac{111111 - 11111 - 111 - 11 - 1 - 1}{1} = \frac{222222 - 22222 - 222 - 22 - 2 - 2}{2} = \frac{333333 - 33333 - 333 - 33 - 3 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 44 - 4 - 4}{4} = \frac{555555 - 55555 - 555 - 55 - 5 - 5}{5} = \frac{666666 - 66666 - 666 - 66 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 - 7 - 7}{7} = \frac{888888 - 88888 - 888 - 88 - 8 - 8}{8} = \frac{999999 - 99999 - 999 - 99 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999876} &:= \frac{1111111 - 111111 - 111 - 11 - 1 - 1}{1} = \frac{2222222 - 222222 - 222 - 22 - 2 - 2}{2} = \frac{3333333 - 333333 - 333 - 33 - 3 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 - 4 - 4}{4} = \frac{5555555 - 555555 - 555 - 55 - 5 - 5}{5} = \frac{6666666 - 666666 - 666 - 66 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 - 7 - 7}{7} = \frac{8888888 - 888888 - 888 - 88 - 8 - 8}{8} = \frac{9999999 - 999999 - 999 - 99 - 9 - 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{877} &:= \frac{1111 - 111 - 111 - 11 - 1}{1} = \frac{2222 - 222 - 222 - 22 - 2}{2} = \frac{3333 - 333 - 333 - 33 - 3}{3} \\ &:= \frac{4444 - 444 - 444 - 44 - 4}{4} = \frac{5555 - 555 - 555 - 55 - 5}{5} = \frac{6666 - 666 - 666 - 66 - 6}{6} \\ &:= \frac{7777 - 777 - 777 - 77 - 7}{7} = \frac{8888 - 888 - 888 - 88 - 8}{8} = \frac{9999 - 999 - 999 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9877} &:= \frac{11111 - 1111 - 111 - 11 - 1}{1} = \frac{22222 - 2222 - 222 - 22 - 2}{2} = \frac{33333 - 3333 - 333 - 33 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 44 - 4}{4} = \frac{55555 - 5555 - 555 - 55 - 5}{5} = \frac{66666 - 6666 - 666 - 66 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 77 - 7}{7} = \frac{88888 - 8888 - 888 - 88 - 8}{8} = \frac{99999 - 9999 - 999 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99877} &:= \frac{111111 - 11111 - 111 - 11 - 1}{1} = \frac{222222 - 22222 - 222 - 22 - 2}{2} = \frac{333333 - 33333 - 333 - 33 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 44 - 4}{4} = \frac{555555 - 55555 - 555 - 55 - 5}{5} = \frac{666666 - 66666 - 666 - 66 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 - 7}{7} = \frac{888888 - 88888 - 888 - 88 - 8}{8} = \frac{999999 - 99999 - 999 - 99 - 9}{9} \end{aligned}$$

999877

:=
$$\frac{1111111-111111-111-11-1}{1} = \frac{2222222-222222-222-22-2}{2} = \frac{3333333-333333-333-33-3}{3}$$
:=
$$\frac{4444444-444444-444-44-4}{4} = \frac{5555555-555555-555-55-5}{5} = \frac{6666666-666666-666-66-6}{6}$$
:=
$$\frac{7777777-777777-777-77-7}{7} = \frac{8888888-888888-888-88-8}{8} = \frac{9999999-999999-999-99-9}{9}$$

► 878

:=
$$\frac{1111-111-111-11}{1} = \frac{2222-222-222-22}{2} = \frac{3333-333-333-33}{3}$$
:=
$$\frac{4444-444-444-44}{4} = \frac{5555-555-555-55}{5} = \frac{6666-666-666-66}{6}$$
:=
$$\frac{7777-777-777-77}{7} = \frac{8888-888-888-88}{8} = \frac{9999-999-999-99}{9}$$

9878

:=
$$\frac{11111-1111-111-11}{1} = \frac{22222-2222-222-22}{2} = \frac{33333-3333-333-33}{3}$$
:=
$$\frac{44444-4444-444-44}{4} = \frac{55555-5555-555-55}{5} = \frac{66666-6666-666-66}{6}$$
:=
$$\frac{77777-7777-777-77}{7} = \frac{88888-8888-888-88}{8} = \frac{99999-9999-999-99}{9}$$

99878

:=
$$\frac{111111-11111-111-11}{1} = \frac{222222-22222-222-22}{2} = \frac{333333-33333-333-33}{3}$$
:=
$$\frac{444444-44444-444-44}{4} = \frac{555555-55555-555-55}{5} = \frac{666666-66666-666-66}{6}$$
:=
$$\frac{777777-77777-777-77}{7} = \frac{888888-88888-888-88}{8} = \frac{999999-99999-999-99}{9}$$

999878

:=
$$\frac{1111111-111111-111-11}{1} = \frac{2222222-222222-222-22}{2} = \frac{3333333-333333-333-33}{3}$$
:=
$$\frac{4444444-444444-444-44}{4} = \frac{5555555-555555-555-55}{5} = \frac{6666666-666666-666-66}{6}$$
:=
$$\frac{7777777-777777-777-77}{7} = \frac{8888888-888888-888-88}{8} = \frac{9999999-999999-999-99}{9}$$

► 879

:=
$$\frac{1111-111-111-11+1}{1} = \frac{2222-222-222-22+2}{2} = \frac{3333-333-333-33+3}{3}$$
:=
$$\frac{4444-444-444-44+4}{4} = \frac{5555-555-555-55+5}{5} = \frac{6666-666-666-66+6}{6}$$
:=
$$\frac{7777-777-777-77+7}{7} = \frac{8888-888-888-88+8}{8} = \frac{9999-999-999-99+9}{9}$$

9879

:=
$$\frac{11111-1111-111-11+1}{1} = \frac{22222-2222-222-22+2}{2} = \frac{33333-3333-333-33+3}{3}$$
:=
$$\frac{44444-4444-444-44+4}{4} = \frac{55555-5555-555-55+5}{5} = \frac{66666-6666-666-66+6}{6}$$

$$:= \frac{77777 - 7777 - 777 - 77 + 7}{7} = \frac{88888 - 8888 - 888 - 88 + 8}{8} = \frac{99999 - 9999 - 999 - 99 + 9}{9}$$

$$\begin{aligned} \textcolor{red}{99879} &:= \frac{111111 - 11111 - 111 - 11 + 1}{1} = \frac{222222 - 22222 - 222 - 22 + 2}{2} = \frac{333333 - 33333 - 333 - 33 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 44 + 4}{4} = \frac{555555 - 55555 - 555 - 55 + 5}{5} = \frac{666666 - 66666 - 666 - 66 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 77 + 7}{7} = \frac{888888 - 88888 - 888 - 88 + 8}{8} = \frac{999999 - 99999 - 999 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999879} &:= \frac{1111111 - 111111 - 111 - 11 + 1}{1} = \frac{2222222 - 222222 - 222 - 22 + 2}{2} = \frac{3333333 - 333333 - 333 - 33 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 + 4}{4} = \frac{5555555 - 555555 - 555 - 55 + 5}{5} = \frac{6666666 - 666666 - 666 - 66 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 + 7}{7} = \frac{8888888 - 888888 - 888 - 88 + 8}{8} = \frac{9999999 - 999999 - 999 - 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{880} &:= \frac{(111 - 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(222 - 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(333 - 3) \times (33 - 3 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444 - 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(555 - 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(666 - 6) \times (66 - 6 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777 - 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(888 - 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(999 - 9) \times (99 - 9 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8880} &:= \frac{(1111 - 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(2222 - 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(3333 - 3) \times (33 - 3 - 3 - 3)}{3 \times 3} \\ &:= \frac{(4444 - 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(5555 - 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(6666 - 6) \times (66 - 6 - 6 - 6)}{6 \times 6} \\ &:= \frac{(7777 - 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(8888 - 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(9999 - 9) \times (99 - 9 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88880} &:= \frac{(11111 - 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(22222 - 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(33333 - 3) \times (33 - 3 - 3 - 3)}{3 \times 3} \\ &:= \frac{(44444 - 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(55555 - 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(66666 - 6) \times (66 - 6 - 6 - 6)}{6 \times 6} \\ &:= \frac{(77777 - 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(88888 - 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(99999 - 9) \times (99 - 9 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{888880} &:= \frac{(111111 - 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(222222 - 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(333333 - 3) \times (33 - 3 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444444 - 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(555555 - 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(666666 - 6) \times (66 - 6 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777777 - 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(888888 - 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(999999 - 9) \times (99 - 9 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{881} := \frac{(111 - 1) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 2) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 3) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444-4) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(555-5) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(666-6) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-7) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(888-8) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(999-9) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8881} &:= \frac{(1111-1) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(2222-2) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(3333-3) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(5555-5) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(6666-6) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(8888-8) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(9999-9) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88881} &:= \frac{(11111-1) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(22222-2) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(33333-3) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(55555-5) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(66666-6) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(88888-8) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(99999-9) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{888881} &:= \frac{(111111-1) \times (11-1-1-1) + 1 \times 1}{1 \times 1} = \frac{(222222-2) \times (22-2-2-2) + 2 \times 2}{2 \times 2} = \frac{(333333-3) \times (33-3-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4) \times (44-4-4-4) + 4 \times 4}{4 \times 4} = \frac{(555555-5) \times (55-5-5-5) + 5 \times 5}{5 \times 5} = \frac{(666666-6) \times (66-6-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7) \times (77-7-7-7) + 7 \times 7}{7 \times 7} = \frac{(888888-8) \times (88-8-8-8) + 8 \times 8}{8 \times 8} = \frac{(999999-9) \times (99-9-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{882} &:= \frac{1111-111-111-11+1+1+1+1}{1} = \frac{2222-222-222-22+2+2+2+2}{2} = \frac{3333-333-333-33+3+3+3+3}{3} \\ &:= \frac{4444-444-444-44+4+4+4+4}{4} = \frac{5555-555-555-55+5+5+5+5}{5} = \frac{6666-666-666-66+6+6+6+6}{6} \\ &:= \frac{7777-777-777-77+7+7+7+7}{7} = \frac{8888-888-888-88+8+8+8+8}{8} = \frac{9999-999-999-99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9882} &:= \frac{11111-1111-111-11+1+1+1+1}{1} = \frac{22222-2222-222-22+2+2+2+2}{2} = \frac{33333-3333-333-33+3+3+3+3}{3} \\ &:= \frac{44444-4444-444-44+4+4+4+4}{4} = \frac{55555-5555-555-55+5+5+5+5}{5} = \frac{66666-6666-666-66+6+6+6+6}{6} \\ &:= \frac{77777-7777-777-77+7+7+7+7}{7} = \frac{88888-8888-888-88+8+8+8+8}{8} = \frac{99999-9999-999-99+9+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99882} &:= \frac{111111-11111-111-11+1+1+1+1}{1} = \frac{222222-22222-222-22+2+2+2+2}{2} = \frac{333333-33333-333-33+3+3+3+3}{3} \\ &:= \frac{444444-44444-444-44+4+4+4+4}{4} = \frac{555555-55555-555-55+5+5+5+5}{5} = \frac{666666-66666-666-66+6+6+6+6}{6} \\ &:= \frac{777777-77777-777-77+7+7+7+7}{7} = \frac{888888-88888-888-88+8+8+8+8}{8} = \frac{999999-99999-999-99+9+9+9+9}{9} \end{aligned}$$

999882

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 - 11 + 1 + 1 + 1 + 1}{1} = \frac{2222222 - 222222 - 222 - 22 + 2 + 2 + 2 + 2}{2} = \frac{3333333 - 333333 - 333 - 33 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 44 + 4 + 4 + 4 + 4}{4} = \frac{5555555 - 555555 - 555 - 55 + 5 + 5 + 5 + 5}{5} = \frac{6666666 - 666666 - 666 - 66 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 77 + 7 + 7 + 7 + 7}{7} = \frac{8888888 - 888888 - 888 - 88 + 8 + 8 + 8 + 8}{8} = \frac{9999999 - 999999 - 999 - 99 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

883

$$\begin{aligned} &:= \frac{(11 - 1 - 1 - 1) \times (111 - 1) + (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times (222 - 2) + (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times (333 - 3) + (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times (444 - 4) + (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(55 - 5 - 5 - 5) \times (555 - 5) + (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(66 - 6 - 6 - 6) \times (666 - 6) + (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times (777 - 7) + (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(88 - 8 - 8 - 8) \times (888 - 8) + (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(99 - 9 - 9 - 9) \times (999 - 9) + (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

8583

$$\begin{aligned} &:= \frac{(111 - 11 - 11 - 11) \times (111 - 1) + (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(222 - 22 - 22 - 22) \times (222 - 2) + (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(333 - 33 - 33 - 33) \times (333 - 3) + (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 44) \times (444 - 4) + (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(555 - 55 - 55 - 55) \times (555 - 5) + (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(666 - 66 - 66 - 66) \times (666 - 6) + (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 77 - 77) \times (777 - 7) + (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(888 - 88 - 88 - 88) \times (888 - 8) + (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(999 - 99 - 99 - 99) \times (999 - 9) + (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

85583

$$\begin{aligned} &:= \frac{(1111 - 111 - 111 - 111) \times (111 - 1) + (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(2222 - 222 - 222 - 222) \times (222 - 2) + (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(3333 - 333 - 333 - 333) \times (333 - 3) + (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(4444 - 444 - 444 - 444) \times (444 - 4) + (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(5555 - 555 - 555 - 555) \times (555 - 5) + (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(6666 - 666 - 666 - 666) \times (666 - 6) + (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(7777 - 777 - 777 - 777) \times (777 - 7) + (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(8888 - 888 - 888 - 888) \times (888 - 8) + (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(9999 - 999 - 999 - 999) \times (999 - 9) + (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

855583

$$\begin{aligned} &:= \frac{(11111 - 1111 - 1111 - 1111) \times (111 - 1) + (1 + 1 + 1) \times 1}{1 \times 1} = \frac{(22222 - 2222 - 2222 - 2222) \times (222 - 2) + (2 + 2 + 2) \times 2}{2 \times 2} = \frac{(33333 - 3333 - 3333 - 3333) \times (333 - 3) + (3 + 3 + 3) \times 3}{3 \times 3} \\ &:= \frac{(44444 - 4444 - 4444 - 4444) \times (444 - 4) + (4 + 4 + 4) \times 4}{4 \times 4} = \frac{(55555 - 5555 - 5555 - 5555) \times (555 - 5) + (5 + 5 + 5) \times 5}{5 \times 5} = \frac{(66666 - 6666 - 6666 - 6666) \times (666 - 6) + (6 + 6 + 6) \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7777 - 7777 - 7777) \times (777 - 7) + (7 + 7 + 7) \times 7}{7 \times 7} = \frac{(88888 - 8888 - 8888 - 8888) \times (888 - 8) + (8 + 8 + 8) \times 8}{8 \times 8} = \frac{(99999 - 9999 - 9999 - 9999) \times (999 - 9) + (9 + 9 + 9) \times 9}{9 \times 9} \end{aligned}$$

884

$$\begin{aligned} &:= \frac{(111 + 111 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 222 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 333 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444 + 444 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 555 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 666 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777 + 777 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 888 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 999 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

4884

$$\begin{aligned} &:= \frac{(1111 + 111 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 222 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 333 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 444 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 555 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 666 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 777 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 888 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 999 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

519

44884

$$\begin{aligned} &:= \frac{(11111 + 111 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 222 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 333 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 444 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 555 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 666 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 777 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 888 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 999 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

444884

$$\begin{aligned} &:= \frac{(111111 + 111 - 1) \times (11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 222 - 2) \times (22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 333 - 3) \times (33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 444 - 4) \times (44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 555 - 5) \times (55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 666 - 6) \times (66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 777 - 7) \times (77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 888 - 8) \times (88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 999 - 9) \times (99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

▶ 885

$$\begin{aligned} &:= \frac{1111 - 111 - 111 - 1 - 1 - 1 - 1}{1} = \frac{2222 - 222 - 222 - 2 - 2 - 2 - 2}{2} = \frac{3333 - 333 - 333 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{4444 - 444 - 444 - 4 - 4 - 4 - 4}{4} = \frac{5555 - 555 - 555 - 5 - 5 - 5 - 5}{5} = \frac{6666 - 666 - 666 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{7777 - 777 - 777 - 7 - 7 - 7 - 7}{7} = \frac{8888 - 888 - 888 - 8 - 8 - 8 - 8}{8} = \frac{9999 - 999 - 999 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

9885

$$\begin{aligned} &:= \frac{11111 - 1111 - 111 - 1 - 1 - 1 - 1}{1} = \frac{22222 - 2222 - 222 - 2 - 2 - 2 - 2}{2} = \frac{33333 - 3333 - 333 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 - 4 - 4 - 4 - 4}{4} = \frac{55555 - 5555 - 555 - 5 - 5 - 5 - 5}{5} = \frac{66666 - 6666 - 666 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 7 - 7 - 7 - 7}{7} = \frac{88888 - 8888 - 888 - 8 - 8 - 8 - 8}{8} = \frac{99999 - 9999 - 999 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

99885

$$\begin{aligned} &:= \frac{111111 - 11111 - 111 - 1 - 1 - 1 - 1}{1} = \frac{222222 - 22222 - 222 - 2 - 2 - 2 - 2}{2} = \frac{333333 - 33333 - 333 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 - 4 - 4 - 4 - 4}{4} = \frac{555555 - 55555 - 555 - 5 - 5 - 5 - 5}{5} = \frac{666666 - 66666 - 666 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 7 - 7 - 7 - 7}{7} = \frac{888888 - 88888 - 888 - 8 - 8 - 8 - 8}{8} = \frac{999999 - 99999 - 999 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

999885

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 - 1 - 1 - 1 - 1}{1} = \frac{2222222 - 222222 - 222 - 2 - 2 - 2 - 2}{2} = \frac{3333333 - 333333 - 333 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 - 4 - 4 - 4 - 4}{4} = \frac{5555555 - 555555 - 555 - 5 - 5 - 5 - 5}{5} = \frac{6666666 - 666666 - 666 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 7 - 7 - 7 - 7}{7} = \frac{8888888 - 888888 - 888 - 8 - 8 - 8 - 8}{8} = \frac{9999999 - 999999 - 999 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

▶ 886

$$\begin{aligned} &:= \frac{1111 - 111 - 111 - 1 - 1 - 1}{1} = \frac{2222 - 222 - 222 - 2 - 2 - 2}{2} = \frac{3333 - 333 - 333 - 3 - 3 - 3}{3} \\ &:= \frac{4444 - 444 - 444 - 4 - 4 - 4}{4} = \frac{5555 - 555 - 555 - 5 - 5 - 5}{5} = \frac{6666 - 666 - 666 - 6 - 6 - 6}{6} \end{aligned}$$

520

$$:= \frac{7777-777-777-7-7-7}{7} = \frac{8888-888-888-8-8-8}{8} = \frac{9999-999-999-9-9-9}{9}$$

$$\begin{aligned} \textcolor{red}{9886} &:= \frac{11111-1111-111-1-1-1}{1} = \frac{22222-2222-222-2-2-2}{2} = \frac{33333-3333-333-3-3-3}{3} \\ &:= \frac{44444-4444-444-4-4-4}{4} = \frac{55555-5555-555-5-5-5}{5} = \frac{66666-6666-666-6-6-6}{6} \\ &:= \frac{77777-7777-777-7-7-7}{7} = \frac{88888-8888-888-8-8-8}{8} = \frac{99999-9999-999-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99886} &:= \frac{111111-11111-111-1-1-1}{1} = \frac{222222-22222-222-2-2-2}{2} = \frac{333333-33333-333-3-3-3}{3} \\ &:= \frac{444444-44444-444-4-4-4}{4} = \frac{555555-55555-555-5-5-5}{5} = \frac{666666-66666-666-6-6-6}{6} \\ &:= \frac{777777-77777-777-7-7-7}{7} = \frac{888888-88888-888-8-8-8}{8} = \frac{999999-99999-999-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999886} &:= \frac{1111111-111111-111-1-1-1}{1} = \frac{2222222-222222-222-2-2-2}{2} = \frac{3333333-333333-333-3-3-3}{3} \\ &:= \frac{4444444-444444-444-4-4-4}{4} = \frac{5555555-555555-555-5-5-5}{5} = \frac{6666666-666666-666-6-6-6}{6} \\ &:= \frac{7777777-777777-777-7-7-7}{7} = \frac{8888888-888888-888-8-8-8}{8} = \frac{9999999-999999-999-9-9-9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{887} &:= \frac{1111-111-111-1-1}{1} = \frac{2222-222-222-2-2}{2} = \frac{3333-333-333-3-3}{3} \\ &:= \frac{4444-444-444-4-4}{4} = \frac{5555-555-555-5-5}{5} = \frac{6666-666-666-6-6}{6} \\ &:= \frac{7777-777-777-7-7}{7} = \frac{8888-888-888-8-8}{8} = \frac{9999-999-999-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9887} &:= \frac{11111-1111-111-1-1}{1} = \frac{22222-2222-222-2-2}{2} = \frac{33333-3333-333-3-3}{3} \\ &:= \frac{44444-4444-444-4-4}{4} = \frac{55555-5555-555-5-5}{5} = \frac{66666-6666-666-6-6}{6} \\ &:= \frac{77777-7777-777-7-7}{7} = \frac{88888-8888-888-8-8}{8} = \frac{99999-9999-999-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99887} &:= \frac{111111-11111-111-1-1}{1} = \frac{222222-22222-222-2-2}{2} = \frac{333333-33333-333-3-3}{3} \\ &:= \frac{444444-44444-444-4-4}{4} = \frac{555555-55555-555-5-5}{5} = \frac{666666-66666-666-6-6}{6} \\ &:= \frac{777777-77777-777-7-7}{7} = \frac{888888-88888-888-8-8}{8} = \frac{999999-99999-999-9-9}{9} \end{aligned}$$

$$\textcolor{red}{999887} := \frac{1111111-111111-111-1-1}{1} = \frac{2222222-222222-222-2-2}{2} = \frac{3333333-333333-333-3-3}{3}$$

$$\begin{aligned} &:= \frac{4444444 - 444444 - 444 - 4 - 4}{4} = \frac{5555555 - 555555 - 555 - 5 - 5}{5} = \frac{6666666 - 666666 - 666 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 7 - 7}{7} = \frac{8888888 - 888888 - 888 - 8 - 8}{8} = \frac{9999999 - 999999 - 999 - 9 - 9}{9} \end{aligned}$$

► **888** := $\frac{1111 - 111 - 111 - 1}{1} = \frac{2222 - 222 - 222 - 2}{2} = \frac{3333 - 333 - 333 - 3}{3}$

$$\begin{aligned} &:= \frac{4444 - 444 - 444 - 4}{4} = \frac{5555 - 555 - 555 - 5}{5} = \frac{6666 - 666 - 666 - 6}{6} \\ &:= \frac{7777 - 777 - 777 - 7}{7} = \frac{8888 - 888 - 888 - 8}{8} = \frac{9999 - 999 - 999 - 9}{9} \end{aligned}$$

9888 := $\frac{11111 - 1111 - 111 - 1}{1} = \frac{22222 - 2222 - 222 - 2}{2} = \frac{33333 - 3333 - 333 - 3}{3}$

$$\begin{aligned} &:= \frac{44444 - 4444 - 444 - 4}{4} = \frac{55555 - 5555 - 555 - 5}{5} = \frac{66666 - 6666 - 666 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 - 7}{7} = \frac{88888 - 8888 - 888 - 8}{8} = \frac{99999 - 9999 - 999 - 9}{9} \end{aligned}$$

99888 := $\frac{111111 - 11111 - 111 - 1}{1} = \frac{222222 - 22222 - 222 - 2}{2} = \frac{333333 - 33333 - 333 - 3}{3}$

$$\begin{aligned} &:= \frac{444444 - 44444 - 444 - 4}{4} = \frac{555555 - 55555 - 555 - 5}{5} = \frac{666666 - 66666 - 666 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 - 7}{7} = \frac{888888 - 88888 - 888 - 8}{8} = \frac{999999 - 99999 - 999 - 9}{9} \end{aligned}$$

999888 := $\frac{1111111 - 111111 - 111 - 1}{1} = \frac{2222222 - 222222 - 222 - 2}{2} = \frac{3333333 - 333333 - 333 - 3}{3}$

$$\begin{aligned} &:= \frac{4444444 - 444444 - 444 - 4}{4} = \frac{5555555 - 555555 - 555 - 5}{5} = \frac{6666666 - 666666 - 666 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 - 7}{7} = \frac{8888888 - 888888 - 888 - 8}{8} = \frac{9999999 - 999999 - 999 - 9}{9} \end{aligned}$$

► **889** := $\frac{1111 - 111 - 111}{1} = \frac{2222 - 222 - 222}{2} = \frac{3333 - 333 - 333}{3}$

$$\begin{aligned} &:= \frac{4444 - 444 - 444}{4} = \frac{5555 - 555 - 555}{5} = \frac{6666 - 666 - 666}{6} \\ &:= \frac{7777 - 777 - 777}{7} = \frac{8888 - 888 - 888}{8} = \frac{9999 - 999 - 999}{9} \end{aligned}$$

9889 := $\frac{11111 - 1111 - 111}{1} = \frac{22222 - 2222 - 222}{2} = \frac{33333 - 3333 - 333}{3}$

$$\begin{aligned} &:= \frac{44444 - 4444 - 444}{4} = \frac{55555 - 5555 - 555}{5} = \frac{66666 - 6666 - 666}{6} \\ &:= \frac{77777 - 7777 - 777}{7} = \frac{88888 - 8888 - 888}{8} = \frac{99999 - 9999 - 999}{9} \end{aligned}$$

99889

111111

− 11111

− 111

222222

− 22222

− 222

333333

− 33333

− 333

1

2

3

444444

− 44444

− 444

555555

− 55555

− 555

666666

− 66666

− 666

4

5

6

777777

− 77777

− 777

888888

− 88888

− 888

999999

− 99999

− 999

7

8

9

999889

1111111

− 111111

− 111

2222222

− 222222

− 222

3333333

− 333333

− 333

1

2

3

4444444

− 444444

− 444

5555555

− 555555

− 555

6666666

− 666666

− 666

4

5

6

7777777

− 777777

− 777

8888888

− 888888

− 888

9999999

− 999999

− 999

7

8

9

890

1111

− 111

− 111

+ 1

2222

− 222

− 222

+ 2

3333

− 333

− 333

+ 3

1

2

3

4444

− 444

− 444

+ 4

5555

− 555

− 555

+ 5

6666

− 666

− 666

+ 6

4

5

6

7777

− 777

− 777

+ 7

8888

− 888

− 888

+ 8

9999

− 999

− 999

+ 9

7

8

9

9890

11111

− 1111

− 111

+ 1

22222

− 2222

− 222

+ 2

33333

− 3333

− 333

+ 3

1

2

3

44444

− 4444

− 444

+ 4

55555

− 5555

− 555

+ 5

66666

− 6666

− 666

+ 6

4

5

6

77777

− 7777

− 777

+ 7

88888

− 8888

− 888

+ 8

99999

− 9999

− 999

+ 9

7

8

9

99890

111111

− 11111

− 111

+ 1

222222

− 22222

− 222

+ 2

333333

− 33333

− 333

+ 3

1

2

3

444444

− 44444

− 444

+ 4

555555

− 55555

− 555

+ 5

666666

− 66666

− 666

+ 6

4

5

6

777777

− 77777

− 777

+ 7

888888

− 88888

− 888

+ 8

999999

− 99999

− 999

+ 9

7

8

9

999890

1111111

− 111111

− 111

+ 1

2222222

− 222222

− 222

+ 2

3333333

− 333333

− 333

+ 3

1

2

3

4444444

− 444444

− 444

+ 4

5555555

− 555555

− 555

+ 5

6666666

− 666666

− 666

+ 6

4

5

6

7777777

− 777777

− 777

+ 7

8888888

− 888888

− 888

+ 8

9999999

− 999999

− 999

+ 9

7

8

9

891

1111

− 111

− 111

+ 1

+ 1

2222

− 222

− 222

+ 2

+ 2

3333

− 333

− 333

+ 3

+ 3

1

2

3

4444

− 444

− 444

+ 4

+ 4

5555

− 555

− 555

+ 5

+ 5

6666

− 666

− 666

+ 6

+ 6

4

5

6

$$:= \frac{7777 - 777 - 777 + 7 + 7}{7} = \frac{8888 - 888 - 888 + 8 + 8}{8} = \frac{9999 - 999 - 999 + 9 + 9}{9}$$

$$\begin{aligned} \textcolor{red}{9891} &:= \frac{11111 - 1111 - 111 + 1 + 1}{1} = \frac{22222 - 2222 - 222 + 2 + 2}{2} = \frac{33333 - 3333 - 333 + 3 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 4 + 4}{4} = \frac{55555 - 5555 - 555 + 5 + 5}{5} = \frac{66666 - 6666 - 666 + 6 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 7 + 7}{7} = \frac{88888 - 8888 - 888 + 8 + 8}{8} = \frac{99999 - 9999 - 999 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99891} &:= \frac{111111 - 11111 - 111 + 1 + 1}{1} = \frac{222222 - 22222 - 222 + 2 + 2}{2} = \frac{333333 - 33333 - 333 + 3 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 4 + 4}{4} = \frac{555555 - 55555 - 555 + 5 + 5}{5} = \frac{666666 - 66666 - 666 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 7 + 7}{7} = \frac{888888 - 88888 - 888 + 8 + 8}{8} = \frac{999999 - 99999 - 999 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999891} &:= \frac{1111111 - 111111 - 111 + 1 + 1}{1} = \frac{2222222 - 222222 - 222 + 2 + 2}{2} = \frac{3333333 - 333333 - 333 + 3 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 4 + 4}{4} = \frac{5555555 - 555555 - 555 + 5 + 5}{5} = \frac{6666666 - 666666 - 666 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 7 + 7}{7} = \frac{8888888 - 888888 - 888 + 8 + 8}{8} = \frac{9999999 - 999999 - 999 + 9 + 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{892} &:= \frac{1111 - 111 - 111 + 1 + 1 + 1}{1} = \frac{2222 - 222 - 222 + 2 + 2 + 2}{2} = \frac{3333 - 333 - 333 + 3 + 3 + 3}{3} \\ &:= \frac{4444 - 444 - 444 + 4 + 4 + 4}{4} = \frac{5555 - 555 - 555 + 5 + 5 + 5}{5} = \frac{6666 - 666 - 666 + 6 + 6 + 6}{6} \\ &:= \frac{7777 - 777 - 777 + 7 + 7 + 7}{7} = \frac{8888 - 888 - 888 + 8 + 8 + 8}{8} = \frac{9999 - 999 - 999 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9892} &:= \frac{11111 - 1111 - 111 + 1 + 1 + 1}{1} = \frac{22222 - 2222 - 222 + 2 + 2 + 2}{2} = \frac{33333 - 3333 - 333 + 3 + 3 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 4 + 4 + 4}{4} = \frac{55555 - 5555 - 555 + 5 + 5 + 5}{5} = \frac{66666 - 6666 - 666 + 6 + 6 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 7 + 7 + 7}{7} = \frac{88888 - 8888 - 888 + 8 + 8 + 8}{8} = \frac{99999 - 9999 - 999 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99892} &:= \frac{111111 - 11111 - 111 + 1 + 1 + 1}{1} = \frac{222222 - 22222 - 222 + 2 + 2 + 2}{2} = \frac{333333 - 33333 - 333 + 3 + 3 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 4 + 4 + 4}{4} = \frac{555555 - 55555 - 555 + 5 + 5 + 5}{5} = \frac{666666 - 66666 - 666 + 6 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 7 + 7 + 7}{7} = \frac{888888 - 88888 - 888 + 8 + 8 + 8}{8} = \frac{999999 - 99999 - 999 + 9 + 9 + 9}{9} \end{aligned}$$

$$\textcolor{red}{999892} := \frac{1111111 - 111111 - 111 + 1 + 1 + 1}{1} = \frac{2222222 - 222222 - 222 + 2 + 2 + 2}{2} = \frac{3333333 - 333333 - 333 + 3 + 3 + 3}{3}$$

$$\begin{aligned} &:= \frac{4444444 - 444444 - 444 + 4 + 4 + 4}{4} = \frac{5555555 - 555555 - 555 + 5 + 5 + 5}{5} = \frac{6666666 - 666666 - 666 + 6 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 7 + 7 + 7}{7} = \frac{8888888 - 888888 - 888 + 8 + 8 + 8}{8} = \frac{9999999 - 999999 - 999 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \textcolor{red}{893} &:= \frac{1111 - 111 - 111 + 1 + 1 + 1 + 1}{1} = \frac{2222 - 222 - 222 + 2 + 2 + 2 + 2}{2} = \frac{3333 - 333 - 333 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{4444 - 444 - 444 + 4 + 4 + 4 + 4}{4} = \frac{5555 - 555 - 555 + 5 + 5 + 5 + 5}{5} = \frac{6666 - 666 - 666 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{7777 - 777 - 777 + 7 + 7 + 7 + 7}{7} = \frac{8888 - 888 - 888 + 8 + 8 + 8 + 8}{8} = \frac{9999 - 999 - 999 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9893} &:= \frac{11111 - 1111 - 111 + 1 + 1 + 1 + 1}{1} = \frac{22222 - 2222 - 222 + 2 + 2 + 2 + 2}{2} = \frac{33333 - 3333 - 333 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 4 + 4 + 4 + 4}{4} = \frac{55555 - 5555 - 555 + 5 + 5 + 5 + 5}{5} = \frac{66666 - 6666 - 666 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 7 + 7 + 7 + 7}{7} = \frac{88888 - 8888 - 888 + 8 + 8 + 8 + 8}{8} = \frac{99999 - 9999 - 999 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99893} &:= \frac{111111 - 11111 - 111 + 1 + 1 + 1 + 1}{1} = \frac{222222 - 22222 - 222 + 2 + 2 + 2 + 2}{2} = \frac{333333 - 33333 - 333 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 4 + 4 + 4 + 4}{4} = \frac{555555 - 55555 - 555 + 5 + 5 + 5 + 5}{5} = \frac{666666 - 66666 - 666 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 7 + 7 + 7 + 7}{7} = \frac{888888 - 88888 - 888 + 8 + 8 + 8 + 8}{8} = \frac{999999 - 99999 - 999 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999893} &:= \frac{1111111 - 111111 - 111 + 1 + 1 + 1 + 1}{1} = \frac{2222222 - 222222 - 222 + 2 + 2 + 2 + 2}{2} = \frac{3333333 - 333333 - 333 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 4 + 4 + 4 + 4}{4} = \frac{5555555 - 555555 - 555 + 5 + 5 + 5 + 5}{5} = \frac{6666666 - 666666 - 666 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 7 + 7 + 7 + 7}{7} = \frac{8888888 - 888888 - 888 + 8 + 8 + 8 + 8}{8} = \frac{9999999 - 999999 - 999 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \textcolor{red}{894} &:= \frac{(11 - 1 - 1 - 1) \times (111 + 1) - 1 \times (1 + 1)}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times (222 + 2) - 2 \times (2 + 2)}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times (333 + 3) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times (444 + 4) - 4 \times (4 + 4)}{4 \times 4} = \frac{(55 - 5 - 5 - 5) \times (555 + 5) - 5 \times (5 + 5)}{5 \times 5} = \frac{(66 - 6 - 6 - 6) \times (666 + 6) - 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times (777 + 7) - 7 \times (7 + 7)}{7 \times 7} = \frac{(88 - 8 - 8 - 8) \times (888 + 8) - 8 \times (8 + 8)}{8 \times 8} = \frac{(99 - 9 - 9 - 9) \times (999 + 9) - 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8894} &:= \frac{(11 - 1 - 1 - 1) \times (1111 + 1) - 1 \times (1 + 1)}{1 \times 1} = \frac{(22 - 2 - 2 - 2) \times (2222 + 2) - 2 \times (2 + 2)}{2 \times 2} = \frac{(33 - 3 - 3 - 3) \times (3333 + 3) - 3 \times (3 + 3)}{3 \times 3} \\ &:= \frac{(44 - 4 - 4 - 4) \times (4444 + 4) - 4 \times (4 + 4)}{4 \times 4} = \frac{(55 - 5 - 5 - 5) \times (5555 + 5) - 5 \times (5 + 5)}{5 \times 5} = \frac{(66 - 6 - 6 - 6) \times (6666 + 6) - 6 \times (6 + 6)}{6 \times 6} \\ &:= \frac{(77 - 7 - 7 - 7) \times (7777 + 7) - 7 \times (7 + 7)}{7 \times 7} = \frac{(88 - 8 - 8 - 8) \times (8888 + 8) - 8 \times (8 + 8)}{8 \times 8} = \frac{(99 - 9 - 9 - 9) \times (9999 + 9) - 9 \times (9 + 9)}{9 \times 9} \end{aligned}$$

88894

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (11111+1) - 1 \times (1+1)}{1 \times 1} = \frac{(22-2-2-2) \times (22222+2) - 2 \times (2+2)}{2 \times 2} = \frac{(33-3-3-3) \times (33333+3) - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (44444+4) - 4 \times (4+4)}{4 \times 4} = \frac{(55-5-5-5) \times (55555+5) - 5 \times (5+5)}{5 \times 5} = \frac{(66-6-6-6) \times (66666+6) - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (77777+7) - 7 \times (7+7)}{7 \times 7} = \frac{(88-8-8-8) \times (88888+8) - 8 \times (8+8)}{8 \times 8} = \frac{(99-9-9-9) \times (99999+9) - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

888894

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (111111+1) - 1 \times (1+1)}{1 \times 1} = \frac{(22-2-2-2) \times (222222+2) - 2 \times (2+2)}{2 \times 2} = \frac{(33-3-3-3) \times (333333+3) - 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (444444+4) - 4 \times (4+4)}{4 \times 4} = \frac{(55-5-5-5) \times (555555+5) - 5 \times (5+5)}{5 \times 5} = \frac{(66-6-6-6) \times (666666+6) - 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (777777+7) - 7 \times (7+7)}{7 \times 7} = \frac{(88-8-8-8) \times (888888+8) - 8 \times (8+8)}{8 \times 8} = \frac{(99-9-9-9) \times (999999+9) - 9 \times (9+9)}{9 \times 9} \end{aligned}$$

► 895

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (111+1) - 1 \times 1}{1 \times 1} = \frac{(22-2-2-2) \times (222+2) - 2 \times 2}{2 \times 2} = \frac{(33-3-3-3) \times (333+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (444+4) - 4 \times 4}{4 \times 4} = \frac{(55-5-5-5) \times (555+5) - 5 \times 5}{5 \times 5} = \frac{(66-6-6-6) \times (666+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (777+7) - 7 \times 7}{7 \times 7} = \frac{(88-8-8-8) \times (888+8) - 8 \times 8}{8 \times 8} = \frac{(99-9-9-9) \times (999+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

8895

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (1111+1) - 1 \times 1}{1 \times 1} = \frac{(22-2-2-2) \times (2222+2) - 2 \times 2}{2 \times 2} = \frac{(33-3-3-3) \times (3333+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (4444+4) - 4 \times 4}{4 \times 4} = \frac{(55-5-5-5) \times (5555+5) - 5 \times 5}{5 \times 5} = \frac{(66-6-6-6) \times (6666+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (7777+7) - 7 \times 7}{7 \times 7} = \frac{(88-8-8-8) \times (8888+8) - 8 \times 8}{8 \times 8} = \frac{(99-9-9-9) \times (9999+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

88895

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (11111+1) - 1 \times 1}{1 \times 1} = \frac{(22-2-2-2) \times (22222+2) - 2 \times 2}{2 \times 2} = \frac{(33-3-3-3) \times (33333+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (44444+4) - 4 \times 4}{4 \times 4} = \frac{(55-5-5-5) \times (55555+5) - 5 \times 5}{5 \times 5} = \frac{(66-6-6-6) \times (66666+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (77777+7) - 7 \times 7}{7 \times 7} = \frac{(88-8-8-8) \times (88888+8) - 8 \times 8}{8 \times 8} = \frac{(99-9-9-9) \times (99999+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

888895

$$\begin{aligned} &:= \frac{(11-1-1-1) \times (111111+1) - 1 \times 1}{1 \times 1} = \frac{(22-2-2-2) \times (222222+2) - 2 \times 2}{2 \times 2} = \frac{(33-3-3-3) \times (333333+3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (444444+4) - 4 \times 4}{4 \times 4} = \frac{(55-5-5-5) \times (555555+5) - 5 \times 5}{5 \times 5} = \frac{(66-6-6-6) \times (666666+6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (777777+7) - 7 \times 7}{7 \times 7} = \frac{(88-8-8-8) \times (888888+8) - 8 \times 8}{8 \times 8} = \frac{(99-9-9-9) \times (999999+9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► 896

$$:= \frac{(11-1-1-1) \times (111+1)}{1 \times 1} = \frac{(22-2-2-2) \times (222+2)}{2 \times 2} = \frac{(33-3-3-3) \times (333+3)}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(44-4-4-4) \times (444+4)}{4 \times 4} = \frac{(55-5-5-5) \times (555+5)}{5 \times 5} = \frac{(66-6-6-6) \times (666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (777+7)}{7 \times 7} = \frac{(88-8-8-8) \times (888+8)}{8 \times 8} = \frac{(99-9-9-9) \times (999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8896} &:= \frac{(11-1-1-1) \times (1111+1)}{1 \times 1} = \frac{(22-2-2-2) \times (2222+2)}{2 \times 2} = \frac{(33-3-3-3) \times (3333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (4444+4)}{4 \times 4} = \frac{(55-5-5-5) \times (5555+5)}{5 \times 5} = \frac{(66-6-6-6) \times (6666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (7777+7)}{7 \times 7} = \frac{(88-8-8-8) \times (8888+8)}{8 \times 8} = \frac{(99-9-9-9) \times (9999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88896} &:= \frac{(11-1-1-1) \times (11111+1)}{1 \times 1} = \frac{(22-2-2-2) \times (22222+2)}{2 \times 2} = \frac{(33-3-3-3) \times (33333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (44444+4)}{4 \times 4} = \frac{(55-5-5-5) \times (55555+5)}{5 \times 5} = \frac{(66-6-6-6) \times (66666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (77777+7)}{7 \times 7} = \frac{(88-8-8-8) \times (88888+8)}{8 \times 8} = \frac{(99-9-9-9) \times (99999+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{888896} &:= \frac{(11-1-1-1) \times (111111+1)}{1 \times 1} = \frac{(22-2-2-2) \times (222222+2)}{2 \times 2} = \frac{(33-3-3-3) \times (333333+3)}{3 \times 3} \\ &:= \frac{(44-4-4-4) \times (444444+4)}{4 \times 4} = \frac{(55-5-5-5) \times (555555+5)}{5 \times 5} = \frac{(66-6-6-6) \times (666666+6)}{6 \times 6} \\ &:= \frac{(77-7-7-7) \times (777777+7)}{7 \times 7} = \frac{(88-8-8-8) \times (888888+8)}{8 \times 8} = \frac{(99-9-9-9) \times (999999+9)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{897} &:= \frac{1111-111-111+11-1-1-1}{1} = \frac{2222-222-222+22-2-2-2}{2} = \frac{3333-333-333+33-3-3-3}{3} \\ &:= \frac{4444-444-444+44-4-4-4}{4} = \frac{5555-555-555+55-5-5-5}{5} = \frac{6666-666-666+66-6-6-6}{6} \\ &:= \frac{7777-777-777+77-7-7-7}{7} = \frac{8888-888-888+88-8-8-8}{8} = \frac{9999-999-999+99-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9897} &:= \frac{11111-1111-111+11-1-1-1}{1} = \frac{22222-2222-222+22-2-2-2}{2} = \frac{33333-3333-333+33-3-3-3}{3} \\ &:= \frac{44444-4444-444+44-4-4-4}{4} = \frac{55555-5555-555+55-5-5-5}{5} = \frac{66666-6666-666+66-6-6-6}{6} \\ &:= \frac{77777-7777-777+77-7-7-7}{7} = \frac{88888-8888-888+88-8-8-8}{8} = \frac{99999-9999-999+99-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99897} &:= \frac{111111-11111-111+11-1-1-1}{1} = \frac{222222-22222-222+22-2-2-2}{2} = \frac{333333-33333-333+33-3-3-3}{3} \\ &:= \frac{444444-44444-444+44-4-4-4}{4} = \frac{555555-55555-555+55-5-5-5}{5} = \frac{666666-66666-666+66-6-6-6}{6} \\ &:= \frac{777777-77777-777+77-7-7-7}{7} = \frac{888888-88888-888+88-8-8-8}{8} = \frac{999999-99999-999+99-9-9-9}{9} \end{aligned}$$

999897

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 + 11 - 1 - 1 - 1}{1} = \frac{2222222 - 222222 - 222 + 22 - 2 - 2 - 2}{2} = \frac{3333333 - 333333 - 333 + 33 - 3 - 3 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 44 - 4 - 4 - 4}{4} = \frac{5555555 - 555555 - 555 + 55 - 5 - 5 - 5}{5} = \frac{6666666 - 666666 - 666 + 66 - 6 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 77 - 7 - 7 - 7}{7} = \frac{8888888 - 888888 - 888 + 88 - 8 - 8 - 8}{8} = \frac{9999999 - 999999 - 999 + 99 - 9 - 9 - 9}{9} \end{aligned}$$

► 898

$$\begin{aligned} &:= \frac{1111 - 111 - 111 + 11 - 1 - 1}{1} = \frac{2222 - 222 - 222 + 22 - 2 - 2}{2} = \frac{3333 - 333 - 333 + 33 - 3 - 3}{3} \\ &:= \frac{4444 - 444 - 444 + 44 - 4 - 4}{4} = \frac{5555 - 555 - 555 + 55 - 5 - 5}{5} = \frac{6666 - 666 - 666 + 66 - 6 - 6}{6} \\ &:= \frac{7777 - 777 - 777 + 77 - 7 - 7}{7} = \frac{8888 - 888 - 888 + 88 - 8 - 8}{8} = \frac{9999 - 999 - 999 + 99 - 9 - 9}{9} \end{aligned}$$

9898

$$\begin{aligned} &:= \frac{11111 - 1111 - 111 + 11 - 1 - 1}{1} = \frac{22222 - 2222 - 222 + 22 - 2 - 2}{2} = \frac{33333 - 3333 - 333 + 33 - 3 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 44 - 4 - 4}{4} = \frac{55555 - 5555 - 555 + 55 - 5 - 5}{5} = \frac{66666 - 6666 - 666 + 66 - 6 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 77 - 7 - 7}{7} = \frac{88888 - 8888 - 888 + 88 - 8 - 8}{8} = \frac{99999 - 9999 - 999 + 99 - 9 - 9}{9} \end{aligned}$$

99898

$$\begin{aligned} &:= \frac{111111 - 11111 - 111 + 11 - 1 - 1}{1} = \frac{222222 - 22222 - 222 + 22 - 2 - 2}{2} = \frac{333333 - 33333 - 333 + 33 - 3 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 44 - 4 - 4}{4} = \frac{555555 - 55555 - 555 + 55 - 5 - 5}{5} = \frac{666666 - 66666 - 666 + 66 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 77 - 7 - 7}{7} = \frac{888888 - 88888 - 888 + 88 - 8 - 8}{8} = \frac{999999 - 99999 - 999 + 99 - 9 - 9}{9} \end{aligned}$$

999898

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 + 11 - 1 - 1}{1} = \frac{2222222 - 222222 - 222 + 22 - 2 - 2}{2} = \frac{3333333 - 333333 - 333 + 33 - 3 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 44 - 4 - 4}{4} = \frac{5555555 - 555555 - 555 + 55 - 5 - 5}{5} = \frac{6666666 - 666666 - 666 + 66 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 77 - 7 - 7}{7} = \frac{8888888 - 888888 - 888 + 88 - 8 - 8}{8} = \frac{9999999 - 999999 - 999 + 99 - 9 - 9}{9} \end{aligned}$$

► 899

$$\begin{aligned} &:= \frac{1111 - 111 - 111 + 11 - 1}{1} = \frac{2222 - 222 - 222 + 22 - 2}{2} = \frac{3333 - 333 - 333 + 33 - 3}{3} \\ &:= \frac{4444 - 444 - 444 + 44 - 4}{4} = \frac{5555 - 555 - 555 + 55 - 5}{5} = \frac{6666 - 666 - 666 + 66 - 6}{6} \\ &:= \frac{7777 - 777 - 777 + 77 - 7}{7} = \frac{8888 - 888 - 888 + 88 - 8}{8} = \frac{9999 - 999 - 999 + 99 - 9}{9} \end{aligned}$$

9899

$$\begin{aligned} &:= \frac{11111 - 1111 - 111 + 11 - 1}{1} = \frac{22222 - 2222 - 222 + 22 - 2}{2} = \frac{33333 - 3333 - 333 + 33 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 44 - 4}{4} = \frac{55555 - 5555 - 555 + 55 - 5}{5} = \frac{66666 - 6666 - 666 + 66 - 6}{6} \end{aligned}$$

$$:= \frac{77777 - 7777 - 777 + 77 - 7}{7} = \frac{88888 - 8888 - 888 + 88 - 8}{8} = \frac{99999 - 9999 - 999 + 99 - 9}{9}$$

$$\begin{aligned} \textcolor{red}{99899} &:= \frac{111111 - 11111 - 111 + 11 - 1}{1} = \frac{222222 - 22222 - 222 + 22 - 2}{2} = \frac{333333 - 33333 - 333 + 33 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 44 - 4}{4} = \frac{555555 - 55555 - 555 + 55 - 5}{5} = \frac{666666 - 66666 - 666 + 66 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 77 - 7}{7} = \frac{888888 - 88888 - 888 + 88 - 8}{8} = \frac{999999 - 99999 - 999 + 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999899} &:= \frac{1111111 - 111111 - 111 + 11 - 1}{1} = \frac{2222222 - 222222 - 222 + 22 - 2}{2} = \frac{3333333 - 333333 - 333 + 33 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 44 - 4}{4} = \frac{5555555 - 555555 - 555 + 55 - 5}{5} = \frac{6666666 - 666666 - 666 + 66 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 77 - 7}{7} = \frac{8888888 - 888888 - 888 + 88 - 8}{8} = \frac{9999999 - 999999 - 999 + 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{900} &:= \frac{(111 - 11) \times (11 - 1 - 1)}{1 \times 1} = \frac{(222 - 22) \times (22 - 2 - 2)}{2 \times 2} = \frac{(333 - 33) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444 - 44) \times (44 - 4 - 4)}{4 \times 4} = \frac{(555 - 55) \times (55 - 5 - 5)}{5 \times 5} = \frac{(666 - 66) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777 - 77) \times (77 - 7 - 7)}{7 \times 7} = \frac{(888 - 88) \times (88 - 8 - 8)}{8 \times 8} = \frac{(999 - 99) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9900} &:= \frac{(1111 - 11) \times (11 - 1 - 1)}{1 \times 1} = \frac{(2222 - 22) \times (22 - 2 - 2)}{2 \times 2} = \frac{(3333 - 33) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(4444 - 44) \times (44 - 4 - 4)}{4 \times 4} = \frac{(5555 - 55) \times (55 - 5 - 5)}{5 \times 5} = \frac{(6666 - 66) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(7777 - 77) \times (77 - 7 - 7)}{7 \times 7} = \frac{(8888 - 88) \times (88 - 8 - 8)}{8 \times 8} = \frac{(9999 - 99) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99900} &:= \frac{(11111 - 11) \times (11 - 1 - 1)}{1 \times 1} = \frac{(22222 - 22) \times (22 - 2 - 2)}{2 \times 2} = \frac{(33333 - 33) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(44444 - 44) \times (44 - 4 - 4)}{4 \times 4} = \frac{(55555 - 55) \times (55 - 5 - 5)}{5 \times 5} = \frac{(66666 - 66) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(77777 - 77) \times (77 - 7 - 7)}{7 \times 7} = \frac{(88888 - 88) \times (88 - 8 - 8)}{8 \times 8} = \frac{(99999 - 99) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999900} &:= \frac{(111111 - 11) \times (11 - 1 - 1)}{1 \times 1} = \frac{(222222 - 22) \times (22 - 2 - 2)}{2 \times 2} = \frac{(333333 - 33) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444444 - 44) \times (44 - 4 - 4)}{4 \times 4} = \frac{(555555 - 55) \times (55 - 5 - 5)}{5 \times 5} = \frac{(666666 - 66) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777777 - 77) \times (77 - 7 - 7)}{7 \times 7} = \frac{(888888 - 88) \times (88 - 8 - 8)}{8 \times 8} = \frac{(999999 - 99) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{901} := \frac{1111 - 111 - 111 + 11 + 1}{1} = \frac{2222 - 222 - 222 + 22 + 2}{2} = \frac{3333 - 333 - 333 + 33 + 3}{3}$$

$$\begin{aligned} &:= \frac{4444 - 444 - 444 + 44 + 4}{4} = \frac{5555 - 555 - 555 + 55 + 5}{5} = \frac{6666 - 666 - 666 + 66 + 6}{6} \\ &:= \frac{7777 - 777 - 777 + 77 + 7}{7} = \frac{8888 - 888 - 888 + 88 + 8}{8} = \frac{9999 - 999 - 999 + 99 + 9}{9} \end{aligned}$$

9901

$$\begin{aligned} &:= \frac{11111 - 1111 - 111 + 11 + 1}{1} = \frac{22222 - 2222 - 222 + 22 + 2}{2} = \frac{33333 - 3333 - 333 + 33 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 44 + 4}{4} = \frac{55555 - 5555 - 555 + 55 + 5}{5} = \frac{66666 - 6666 - 666 + 66 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 77 + 7}{7} = \frac{88888 - 8888 - 888 + 88 + 8}{8} = \frac{99999 - 9999 - 999 + 99 + 9}{9} \end{aligned}$$

99901

$$\begin{aligned} &:= \frac{111111 - 11111 - 111 + 11 + 1}{1} = \frac{222222 - 22222 - 222 + 22 + 2}{2} = \frac{333333 - 33333 - 333 + 33 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 44 + 4}{4} = \frac{555555 - 55555 - 555 + 55 + 5}{5} = \frac{666666 - 66666 - 666 + 66 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 77 + 7}{7} = \frac{888888 - 88888 - 888 + 88 + 8}{8} = \frac{999999 - 99999 - 999 + 99 + 9}{9} \end{aligned}$$

999901

$$\begin{aligned} &:= \frac{1111111 - 111111 - 111 + 11 + 1}{1} = \frac{2222222 - 222222 - 222 + 22 + 2}{2} = \frac{3333333 - 333333 - 333 + 33 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 44 + 4}{4} = \frac{5555555 - 555555 - 555 + 55 + 5}{5} = \frac{6666666 - 666666 - 666 + 66 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 77 + 7}{7} = \frac{8888888 - 888888 - 888 + 88 + 8}{8} = \frac{9999999 - 999999 - 999 + 99 + 9}{9} \end{aligned}$$

► 902

$$\begin{aligned} &:= \frac{1111 - 111 - 111 + 11 + 1 + 1}{1} = \frac{2222 - 222 - 222 + 22 + 2 + 2}{2} = \frac{3333 - 333 - 333 + 33 + 3 + 3}{3} \\ &:= \frac{4444 - 444 - 444 + 44 + 4 + 4}{4} = \frac{5555 - 555 - 555 + 55 + 5 + 5}{5} = \frac{6666 - 666 - 666 + 66 + 6 + 6}{6} \\ &:= \frac{7777 - 777 - 777 + 77 + 7 + 7}{7} = \frac{8888 - 888 - 888 + 88 + 8 + 8}{8} = \frac{9999 - 999 - 999 + 99 + 9 + 9}{9} \end{aligned}$$

9902

$$\begin{aligned} &:= \frac{11111 - 1111 - 111 + 11 + 1 + 1}{1} = \frac{22222 - 2222 - 222 + 22 + 2 + 2}{2} = \frac{33333 - 3333 - 333 + 33 + 3 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 44 + 4 + 4}{4} = \frac{55555 - 5555 - 555 + 55 + 5 + 5}{5} = \frac{66666 - 6666 - 666 + 66 + 6 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 77 + 7 + 7}{7} = \frac{88888 - 8888 - 888 + 88 + 8 + 8}{8} = \frac{99999 - 9999 - 999 + 99 + 9 + 9}{9} \end{aligned}$$

99902

$$\begin{aligned} &:= \frac{111111 - 11111 - 111 + 11 + 1 + 1}{1} = \frac{222222 - 22222 - 222 + 22 + 2 + 2}{2} = \frac{333333 - 33333 - 333 + 33 + 3 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 44 + 4 + 4}{4} = \frac{555555 - 55555 - 555 + 55 + 5 + 5}{5} = \frac{666666 - 66666 - 666 + 66 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 77 + 7 + 7}{7} = \frac{888888 - 88888 - 888 + 88 + 8 + 8}{8} = \frac{999999 - 99999 - 999 + 99 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{999902} &:= \frac{1111111 - 111111 - 111 + 11 + 1 + 1}{1} = \frac{2222222 - 222222 - 222 + 22 + 2 + 2}{2} = \frac{3333333 - 333333 - 333 + 33 + 3 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 44 + 4 + 4}{4} = \frac{5555555 - 555555 - 555 + 55 + 5 + 5}{5} = \frac{6666666 - 666666 - 666 + 66 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 77 + 7 + 7}{7} = \frac{8888888 - 888888 - 888 + 88 + 8 + 8}{8} = \frac{9999999 - 999999 - 999 + 99 + 9 + 9}{9} \end{aligned}$$

► **903** := $\frac{1111 - 111 - 111 + 11 + 1 + 1 + 1}{1} = \frac{2222 - 222 - 222 + 22 + 2 + 2 + 2}{2} = \frac{3333 - 333 - 333 + 33 + 3 + 3 + 3}{3}$
:= $\frac{4444 - 444 - 444 + 44 + 4 + 4 + 4}{4} = \frac{5555 - 555 - 555 + 55 + 5 + 5 + 5}{5} = \frac{6666 - 666 - 666 + 66 + 6 + 6 + 6}{6}$
:= $\frac{7777 - 777 - 777 + 77 + 7 + 7 + 7}{7} = \frac{8888 - 888 - 888 + 88 + 8 + 8 + 8}{8} = \frac{9999 - 999 - 999 + 99 + 9 + 9 + 9}{9}$

$$\begin{aligned} \text{9903} &:= \frac{11111 - 1111 - 111 + 11 + 1 + 1 + 1}{1} = \frac{22222 - 2222 - 222 + 22 + 2 + 2 + 2}{2} = \frac{33333 - 3333 - 333 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 44 + 4 + 4 + 4}{4} = \frac{55555 - 5555 - 555 + 55 + 5 + 5 + 5}{5} = \frac{66666 - 6666 - 666 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 77 + 7 + 7 + 7}{7} = \frac{88888 - 8888 - 888 + 88 + 8 + 8 + 8}{8} = \frac{99999 - 9999 - 999 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{99903} &:= \frac{111111 - 11111 - 111 + 11 + 1 + 1 + 1}{1} = \frac{222222 - 22222 - 222 + 22 + 2 + 2 + 2}{2} = \frac{333333 - 33333 - 333 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 44 + 4 + 4 + 4 + 4}{4} = \frac{555555 - 55555 - 555 + 55 + 5 + 5 + 5 + 5}{5} = \frac{666666 - 66666 - 666 + 66 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 77 + 7 + 7 + 7 + 7}{7} = \frac{888888 - 88888 - 888 + 88 + 8 + 8 + 8 + 8}{8} = \frac{999999 - 99999 - 999 + 99 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \mathbf{999903} &:= \frac{1111111 - 111111 - 111 + 11 + 1 + 1 + 1}{1} = \frac{2222222 - 222222 - 222 + 22 + 2 + 2 + 2}{2} = \frac{3333333 - 333333 - 333 + 33 + 3 + 3 + 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 44 + 4 + 4 + 4}{4} = \frac{5555555 - 555555 - 555 + 55 + 5 + 5 + 5}{5} = \frac{6666666 - 666666 - 666 + 66 + 6 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 77 + 7 + 7 + 7}{7} = \frac{8888888 - 888888 - 888 + 88 + 8 + 8 + 8}{8} = \frac{9999999 - 999999 - 999 + 99 + 9 + 9 + 9}{9} \end{aligned}$$

► **904** := $\frac{(111 + 1 + 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(222 + 2 + 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(333 + 3 + 3) \times (33 - 3 - 3 - 3)}{3 \times 3}$
:= $\frac{(444 + 4 + 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(555 + 5 + 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(666 + 6 + 6) \times (66 - 6 - 6 - 6)}{6 \times 6}$
:= $\frac{(777 + 7 + 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(888 + 8 + 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(999 + 9 + 9) \times (99 - 9 - 9 - 9)}{9 \times 9}$

$$\begin{aligned} \mathbf{8904} &:= \frac{(1111 + 1 + 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(2222 + 2 + 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(3333 + 3 + 3) \times (33 - 3 - 3 - 3)}{3 \times 3} \\ &:= \frac{(4444 + 4 + 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(5555 + 5 + 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(6666 + 6 + 6) \times (66 - 6 - 6 - 6)}{6 \times 6} \end{aligned}$$

$$:= \frac{(7777 + 7 + 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(8888 + 8 + 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(9999 + 9 + 9) \times (99 - 9 - 9 - 9)}{9 \times 9}$$

88904 := $\frac{(11111 + 1 + 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(22222 + 2 + 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(33333 + 3 + 3) \times (33 - 3 - 3 - 3)}{3 \times 3}$

$$:= \frac{(44444 + 4 + 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(55555 + 5 + 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(66666 + 6 + 6) \times (66 - 6 - 6 - 6)}{6 \times 6}$$
$$:= \frac{(77777 + 7 + 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(88888 + 8 + 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(99999 + 9 + 9) \times (99 - 9 - 9 - 9)}{9 \times 9}$$

888904 := $\frac{(111111 + 1 + 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(222222 + 2 + 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(333333 + 3 + 3) \times (33 - 3 - 3 - 3)}{3 \times 3}$

$$:= \frac{(444444 + 4 + 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(555555 + 5 + 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(666666 + 6 + 6) \times (66 - 6 - 6 - 6)}{6 \times 6}$$
$$:= \frac{(777777 + 7 + 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(888888 + 8 + 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(999999 + 9 + 9) \times (99 - 9 - 9 - 9)}{9 \times 9}$$

► **905** := $\frac{(111 + 1 + 1) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222 + 2 + 2) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333 + 3 + 3) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444 + 4 + 4) \times (44 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555 + 5 + 5) \times (55 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666 + 6 + 6) \times (66 - 6 - 6 - 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 + 7 + 7) \times (77 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888 + 8 + 8) \times (88 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999 + 9 + 9) \times (99 - 9 - 9 - 9) + 9 \times 9}{9 \times 9}$$

8905 := $\frac{(1111 + 1 + 1) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(2222 + 2 + 2) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(3333 + 3 + 3) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(4444 + 4 + 4) \times (44 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(5555 + 5 + 5) \times (55 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(6666 + 6 + 6) \times (66 - 6 - 6 - 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 + 7 + 7) \times (77 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(8888 + 8 + 8) \times (88 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(9999 + 9 + 9) \times (99 - 9 - 9 - 9) + 9 \times 9}{9 \times 9}$$

88905 := $\frac{(11111 + 1 + 1) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(22222 + 2 + 2) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(33333 + 3 + 3) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(44444 + 4 + 4) \times (44 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(55555 + 5 + 5) \times (55 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(66666 + 6 + 6) \times (66 - 6 - 6 - 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(77777 + 7 + 7) \times (77 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(88888 + 8 + 8) \times (88 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(99999 + 9 + 9) \times (99 - 9 - 9 - 9) + 9 \times 9}{9 \times 9}$$

888905 := $\frac{(111111 + 1 + 1) \times (11 - 1 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222222 + 2 + 2) \times (22 - 2 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333333 + 3 + 3) \times (33 - 3 - 3 - 3) + 3 \times 3}{3 \times 3}$

$$:= \frac{(444444 + 4 + 4) \times (44 - 4 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555555 + 5 + 5) \times (55 - 5 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666666 + 6 + 6) \times (66 - 6 - 6 - 6) + 6 \times 6}{6 \times 6}$$
$$:= \frac{(777777 + 7 + 7) \times (77 - 7 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888888 + 8 + 8) \times (88 - 8 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999999 + 9 + 9) \times (99 - 9 - 9 - 9) + 9 \times 9}{9 \times 9}$$

► **906** := $\frac{1111 \times (11 - 1 - 1) - (1 + 1 + 1) \times 11}{1 \times 11} = \frac{2222 \times (22 - 2 - 2) - (2 + 2 + 2) \times 22}{2 \times 22} = \frac{3333 \times (33 - 3 - 3) - (3 + 3 + 3) \times 33}{3 \times 33}$

$$\begin{aligned} &:= \frac{4444 \times (44 - 4 - 4) - (4 + 4 + 4) \times 44}{4 \times 44} = \frac{5555 \times (55 - 5 - 5) - (5 + 5 + 5) \times 55}{5 \times 55} = \frac{6666 \times (66 - 6 - 6) - (6 + 6 + 6) \times 66}{6 \times 66} \\ &:= \frac{7777 \times (77 - 7 - 7) - (7 + 7 + 7) \times 77}{7 \times 77} = \frac{8888 \times (88 - 8 - 8) - (8 + 8 + 8) \times 88}{8 \times 88} = \frac{9999 \times (99 - 9 - 9) - (9 + 9 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{90906} &:= \frac{111111 \times (11 - 1 - 1) - (1 + 1 + 1) \times 11}{1 \times 11} = \frac{222222 \times (22 - 2 - 2) - (2 + 2 + 2) \times 22}{2 \times 22} = \frac{333333 \times (33 - 3 - 3) - (3 + 3 + 3) \times 33}{3 \times 33} \\ &:= \frac{444444 \times (44 - 4 - 4) - (4 + 4 + 4) \times 44}{4 \times 44} = \frac{555555 \times (55 - 5 - 5) - (5 + 5 + 5) \times 55}{5 \times 55} = \frac{666666 \times (66 - 6 - 6) - (6 + 6 + 6) \times 66}{6 \times 66} \\ &:= \frac{777777 \times (77 - 7 - 7) - (7 + 7 + 7) \times 77}{7 \times 77} = \frac{888888 \times (88 - 8 - 8) - (8 + 8 + 8) \times 88}{8 \times 88} = \frac{999999 \times (99 - 9 - 9) - (9 + 9 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9090906} &:= \frac{11111111 \times (11 - 1 - 1) - (1 + 1 + 1) \times 11}{1 \times 11} = \frac{22222222 \times (22 - 2 - 2) - (2 + 2 + 2) \times 22}{2 \times 22} = \frac{33333333 \times (33 - 3 - 3) - (3 + 3 + 3) \times 33}{3 \times 33} \\ &:= \frac{44444444 \times (44 - 4 - 4) - (4 + 4 + 4) \times 44}{4 \times 44} = \frac{55555555 \times (55 - 5 - 5) - (5 + 5 + 5) \times 55}{5 \times 55} = \frac{66666666 \times (66 - 6 - 6) - (6 + 6 + 6) \times 66}{6 \times 66} \\ &:= \frac{77777777 \times (77 - 7 - 7) - (7 + 7 + 7) \times 77}{7 \times 77} = \frac{88888888 \times (88 - 8 - 8) - (8 + 8 + 8) \times 88}{8 \times 88} = \frac{99999999 \times (99 - 9 - 9) - (9 + 9 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{909090906} &:= \frac{1111111111 \times (11 - 1 - 1) - (1 + 1 + 1) \times 11}{1 \times 11} = \frac{2222222222 \times (22 - 2 - 2) - (2 + 2 + 2) \times 22}{2 \times 22} = \frac{3333333333 \times (33 - 3 - 3) - (3 + 3 + 3) \times 33}{3 \times 33} \\ &:= \frac{4444444444 \times (44 - 4 - 4) - (4 + 4 + 4) \times 44}{4 \times 44} = \frac{5555555555 \times (55 - 5 - 5) - (5 + 5 + 5) \times 55}{5 \times 55} = \frac{6666666666 \times (66 - 6 - 6) - (6 + 6 + 6) \times 66}{6 \times 66} \\ &:= \frac{7777777777 \times (77 - 7 - 7) - (7 + 7 + 7) \times 77}{7 \times 77} = \frac{8888888888 \times (88 - 8 - 8) - (8 + 8 + 8) \times 88}{8 \times 88} = \frac{9999999999 \times (99 - 9 - 9) - (9 + 9 + 9) \times 99}{9 \times 99} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{907} &:= \frac{1111 \times (11 - 1 - 1) - (1 + 1) \times 11}{1 \times 11} = \frac{2222 \times (22 - 2 - 2) - (2 + 2) \times 22}{2 \times 22} = \frac{3333 \times (33 - 3 - 3) - (3 + 3) \times 33}{3 \times 33} \\ &:= \frac{4444 \times (44 - 4 - 4) - (4 + 4) \times 44}{4 \times 44} = \frac{5555 \times (55 - 5 - 5) - (5 + 5) \times 55}{5 \times 55} = \frac{6666 \times (66 - 6 - 6) - (6 + 6) \times 66}{6 \times 66} \\ &:= \frac{7777 \times (77 - 7 - 7) - (7 + 7) \times 77}{7 \times 77} = \frac{8888 \times (88 - 8 - 8) - (8 + 8) \times 88}{8 \times 88} = \frac{9999 \times (99 - 9 - 9) - (9 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{90907} &:= \frac{111111 \times (11 - 1 - 1) - (1 + 1) \times 11}{1 \times 11} = \frac{222222 \times (22 - 2 - 2) - (2 + 2) \times 22}{2 \times 22} = \frac{333333 \times (33 - 3 - 3) - (3 + 3) \times 33}{3 \times 33} \\ &:= \frac{444444 \times (44 - 4 - 4) - (4 + 4) \times 44}{4 \times 44} = \frac{555555 \times (55 - 5 - 5) - (5 + 5) \times 55}{5 \times 55} = \frac{666666 \times (66 - 6 - 6) - (6 + 6) \times 66}{6 \times 66} \\ &:= \frac{777777 \times (77 - 7 - 7) - (7 + 7) \times 77}{7 \times 77} = \frac{888888 \times (88 - 8 - 8) - (8 + 8) \times 88}{8 \times 88} = \frac{999999 \times (99 - 9 - 9) - (9 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9090907} &:= \frac{11111111 \times (11 - 1 - 1) - (1 + 1) \times 11}{1 \times 11} = \frac{22222222 \times (22 - 2 - 2) - (2 + 2) \times 22}{2 \times 22} = \frac{33333333 \times (33 - 3 - 3) - (3 + 3) \times 33}{3 \times 33} \\ &:= \frac{44444444 \times (44 - 4 - 4) - (4 + 4) \times 44}{4 \times 44} = \frac{55555555 \times (55 - 5 - 5) - (5 + 5) \times 55}{5 \times 55} = \frac{66666666 \times (66 - 6 - 6) - (6 + 6) \times 66}{6 \times 66} \\ &:= \frac{77777777 \times (77 - 7 - 7) - (7 + 7) \times 77}{7 \times 77} = \frac{88888888 \times (88 - 8 - 8) - (8 + 8) \times 88}{8 \times 88} = \frac{99999999 \times (99 - 9 - 9) - (9 + 9) \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{909090907} &:= \frac{1111111111 \times (11 - 1 - 1) - (1 + 1) \times 11}{1 \times 11} = \frac{2222222222 \times (22 - 2 - 2) - (2 + 2) \times 22}{2 \times 22} = \frac{3333333333 \times (33 - 3 - 3) - (3 + 3) \times 33}{3 \times 33} \\
 &:= \frac{4444444444 \times (44 - 4 - 4) - (4 + 4) \times 44}{4 \times 44} = \frac{5555555555 \times (55 - 5 - 5) - (5 + 5) \times 55}{5 \times 55} = \frac{6666666666 \times (66 - 6 - 6) - (6 + 6) \times 66}{6 \times 66} \\
 &:= \frac{7777777777 \times (77 - 7 - 7) - (7 + 7) \times 77}{7 \times 77} = \frac{8888888888 \times (88 - 8 - 8) - (8 + 8) \times 88}{8 \times 88} = \frac{9999999999 \times (99 - 9 - 9) - (9 + 9) \times 99}{9 \times 99}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{908} &:= \frac{1111 \times (11 - 1 - 1) - 1 \times 11}{1 \times 11} = \frac{2222 \times (22 - 2 - 2) - 2 \times 22}{2 \times 22} = \frac{3333 \times (33 - 3 - 3) - 3 \times 33}{3 \times 33} \\
 &:= \frac{4444 \times (44 - 4 - 4) - 4 \times 44}{4 \times 44} = \frac{5555 \times (55 - 5 - 5) - 5 \times 55}{5 \times 55} = \frac{6666 \times (66 - 6 - 6) - 6 \times 66}{6 \times 66} \\
 &:= \frac{7777 \times (77 - 7 - 7) - 7 \times 77}{7 \times 77} = \frac{8888 \times (88 - 8 - 8) - 8 \times 88}{8 \times 88} = \frac{9999 \times (99 - 9 - 9) - 9 \times 99}{9 \times 99}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{90908} &:= \frac{111111 \times (11 - 1 - 1) - 1 \times 11}{1 \times 11} = \frac{222222 \times (22 - 2 - 2) - 2 \times 22}{2 \times 22} = \frac{333333 \times (33 - 3 - 3) - 3 \times 33}{3 \times 33} \\
 &:= \frac{444444 \times (44 - 4 - 4) - 4 \times 44}{4 \times 44} = \frac{555555 \times (55 - 5 - 5) - 5 \times 55}{5 \times 55} = \frac{666666 \times (66 - 6 - 6) - 6 \times 66}{6 \times 66} \\
 &:= \frac{777777 \times (77 - 7 - 7) - 7 \times 77}{7 \times 77} = \frac{888888 \times (88 - 8 - 8) - 8 \times 88}{8 \times 88} = \frac{999999 \times (99 - 9 - 9) - 9 \times 99}{9 \times 99}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{9090908} &:= \frac{11111111 \times (11 - 1 - 1) - 1 \times 11}{1 \times 11} = \frac{22222222 \times (22 - 2 - 2) - 2 \times 22}{2 \times 22} = \frac{33333333 \times (33 - 3 - 3) - 3 \times 33}{3 \times 33} \\
 &:= \frac{44444444 \times (44 - 4 - 4) - 4 \times 44}{4 \times 44} = \frac{55555555 \times (55 - 5 - 5) - 5 \times 55}{5 \times 55} = \frac{66666666 \times (66 - 6 - 6) - 6 \times 66}{6 \times 66} \\
 &:= \frac{77777777 \times (77 - 7 - 7) - 7 \times 77}{7 \times 77} = \frac{88888888 \times (88 - 8 - 8) - 8 \times 88}{8 \times 88} = \frac{99999999 \times (99 - 9 - 9) - 9 \times 99}{9 \times 99}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{909090908} &:= \frac{1111111111 \times (11 - 1 - 1) - 1 \times 11}{1 \times 11} = \frac{2222222222 \times (22 - 2 - 2) - 2 \times 22}{2 \times 22} = \frac{3333333333 \times (33 - 3 - 3) - 3 \times 33}{3 \times 33} \\
 &:= \frac{4444444444 \times (44 - 4 - 4) - 4 \times 44}{4 \times 44} = \frac{5555555555 \times (55 - 5 - 5) - 5 \times 55}{5 \times 55} = \frac{6666666666 \times (66 - 6 - 6) - 6 \times 66}{6 \times 66} \\
 &:= \frac{7777777777 \times (77 - 7 - 7) - 7 \times 77}{7 \times 77} = \frac{8888888888 \times (88 - 8 - 8) - 8 \times 88}{8 \times 88} = \frac{9999999999 \times (99 - 9 - 9) - 9 \times 99}{9 \times 99}
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright \textcolor{red}{909} &:= \frac{1111 \times (11 - 1 - 1)}{1 \times 11} = \frac{2222 \times (22 - 2 - 2)}{2 \times 22} = \frac{3333 \times (33 - 3 - 3)}{3 \times 33} \\
 &:= \frac{4444 \times (44 - 4 - 4)}{4 \times 44} = \frac{5555 \times (55 - 5 - 5)}{5 \times 55} = \frac{6666 \times (66 - 6 - 6)}{6 \times 66} \\
 &:= \frac{7777 \times (77 - 7 - 7)}{7 \times 77} = \frac{8888 \times (88 - 8 - 8)}{8 \times 88} = \frac{9999 \times (99 - 9 - 9)}{9 \times 99}
 \end{aligned}$$

$$\begin{aligned}
 \textcolor{red}{90909} &:= \frac{111111 \times (11 - 1 - 1)}{1 \times 11} = \frac{222222 \times (22 - 2 - 2)}{2 \times 22} = \frac{333333 \times (33 - 3 - 3)}{3 \times 33} \\
 &:= \frac{444444 \times (44 - 4 - 4)}{4 \times 44} = \frac{555555 \times (55 - 5 - 5)}{5 \times 55} = \frac{666666 \times (66 - 6 - 6)}{6 \times 66}
 \end{aligned}$$

$$:= \frac{777777 \times (77 - 7 - 7)}{7 \times 77} = \frac{888888 \times (88 - 8 - 8)}{8 \times 88} = \frac{999999 \times (99 - 9 - 9)}{9 \times 99}$$

$$\begin{aligned} \textcolor{red}{9090909} &:= \frac{11111111 \times (11 - 1 - 1)}{1 \times 11} = \frac{22222222 \times (22 - 2 - 2)}{2 \times 22} = \frac{33333333 \times (33 - 3 - 3)}{3 \times 33} \\ &:= \frac{44444444 \times (44 - 4 - 4)}{4 \times 44} = \frac{55555555 \times (55 - 5 - 5)}{5 \times 55} = \frac{66666666 \times (66 - 6 - 6)}{6 \times 66} \\ &:= \frac{77777777 \times (77 - 7 - 7)}{7 \times 77} = \frac{88888888 \times (88 - 8 - 8)}{8 \times 88} = \frac{99999999 \times (99 - 9 - 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{909090909} &:= \frac{1111111111 \times (11 - 1 - 1)}{1 \times 11} = \frac{2222222222 \times (22 - 2 - 2)}{2 \times 22} = \frac{3333333333 \times (33 - 3 - 3)}{3 \times 33} \\ &:= \frac{4444444444 \times (44 - 4 - 4)}{4 \times 44} = \frac{5555555555 \times (55 - 5 - 5)}{5 \times 55} = \frac{6666666666 \times (66 - 6 - 6)}{6 \times 66} \\ &:= \frac{7777777777 \times (77 - 7 - 7)}{7 \times 77} = \frac{8888888888 \times (88 - 8 - 8)}{8 \times 88} = \frac{9999999999 \times (99 - 9 - 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{910} &:= \frac{1111 - 111 - 111 + 11 + 11 - 1}{1} = \frac{2222 - 222 - 222 + 22 + 22 - 2}{2} = \frac{3333 - 333 - 333 + 33 + 33 - 3}{3} \\ &:= \frac{4444 - 444 - 444 + 44 + 44 - 4}{4} = \frac{5555 - 555 - 555 + 55 + 55 - 5}{5} = \frac{6666 - 666 - 666 + 66 + 66 - 6}{6} \\ &:= \frac{7777 - 777 - 777 + 77 + 77 - 7}{7} = \frac{8888 - 888 - 888 + 88 + 88 - 8}{8} = \frac{9999 - 999 - 999 + 99 + 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9910} &:= \frac{11111 - 1111 - 111 + 11 + 11 - 1}{1} = \frac{22222 - 2222 - 222 + 22 + 22 - 2}{2} = \frac{33333 - 3333 - 333 + 33 + 33 - 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 44 + 44 - 4}{4} = \frac{55555 - 5555 - 555 + 55 + 55 - 5}{5} = \frac{66666 - 6666 - 666 + 66 + 66 - 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 77 + 77 - 7}{7} = \frac{88888 - 8888 - 888 + 88 + 88 - 8}{8} = \frac{99999 - 9999 - 999 + 99 + 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99910} &:= \frac{111111 - 11111 - 111 + 11 + 11 - 1}{1} = \frac{222222 - 22222 - 222 + 22 + 22 - 2}{2} = \frac{333333 - 33333 - 333 + 33 + 33 - 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 44 + 44 - 4}{4} = \frac{555555 - 55555 - 555 + 55 + 55 - 5}{5} = \frac{666666 - 66666 - 666 + 66 + 66 - 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 77 + 77 - 7}{7} = \frac{888888 - 88888 - 888 + 88 + 88 - 8}{8} = \frac{999999 - 99999 - 999 + 99 + 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999910} &:= \frac{1111111 - 111111 - 111 + 11 + 11 - 1}{1} = \frac{2222222 - 222222 - 222 + 22 + 22 - 2}{2} = \frac{3333333 - 333333 - 333 + 33 + 33 - 3}{3} \\ &:= \frac{4444444 - 444444 - 444 + 44 + 44 - 4}{4} = \frac{5555555 - 555555 - 555 + 55 + 55 - 5}{5} = \frac{6666666 - 666666 - 666 + 66 + 66 - 6}{6} \\ &:= \frac{7777777 - 777777 - 777 + 77 + 77 - 7}{7} = \frac{8888888 - 888888 - 888 + 88 + 88 - 8}{8} = \frac{9999999 - 999999 - 999 + 99 + 99 - 9}{9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{911} := \frac{1111 - 111 - 111 + 11 + 11}{1} = \frac{2222 - 222 - 222 + 22 + 22}{2} = \frac{3333 - 333 - 333 + 33 + 33}{3}$$

$$\begin{aligned} &:= \frac{4444 - 444 - 444 + 44 + 44}{4} = \frac{5555 - 555 - 555 + 55 + 55}{5} = \frac{6666 - 666 - 666 + 66 + 66}{6} \\ &:= \frac{7777 - 777 - 777 + 77 + 77}{7} = \frac{8888 - 888 - 888 + 88 + 88}{8} = \frac{9999 - 999 - 999 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9911} &:= \frac{11111 - 1111 - 111 + 11 + 11}{1} = \frac{22222 - 2222 - 222 + 22 + 22}{2} = \frac{33333 - 3333 - 333 + 33 + 33}{3} \\ &:= \frac{44444 - 4444 - 444 + 44 + 44}{4} = \frac{55555 - 5555 - 555 + 55 + 55}{5} = \frac{66666 - 6666 - 666 + 66 + 66}{6} \\ &:= \frac{77777 - 7777 - 777 + 77 + 77}{7} = \frac{88888 - 8888 - 888 + 88 + 88}{8} = \frac{99999 - 9999 - 999 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99911} &:= \frac{111111 - 11111 - 111 + 11 + 11}{1} = \frac{222222 - 22222 - 222 + 22 + 22}{2} = \frac{333333 - 33333 - 333 + 33 + 33}{3} \\ &:= \frac{444444 - 44444 - 444 + 44 + 44}{4} = \frac{555555 - 55555 - 555 + 55 + 55}{5} = \frac{666666 - 66666 - 666 + 66 + 66}{6} \\ &:= \frac{777777 - 77777 - 777 + 77 + 77}{7} = \frac{888888 - 88888 - 888 + 88 + 88}{8} = \frac{999999 - 99999 - 999 + 99 + 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999911} &:= \frac{1111111 - 111111 - 111 + 11 + 11}{1} = \frac{2222222 - 222222 - 222 + 22 + 22}{2} = \frac{3333333 - 333333 - 333 + 33 + 33}{3} \\ &:= \frac{4444444 - 444444 - 444 + 44 + 44}{4} = \frac{5555555 - 555555 - 555 + 55 + 55}{5} = \frac{6666666 - 666666 - 666 + 66 + 66}{6} \\ &:= \frac{7777777 - 777777 - 777 + 77 + 77}{7} = \frac{8888888 - 888888 - 888 + 88 + 88}{8} = \frac{9999999 - 999999 - 999 + 99 + 99}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{912} &:= \frac{1111 - 111 - 111 + 11 + 11 + 1}{1} = \frac{2222 - 222 - 222 + 22 + 22 + 2}{2} = \frac{3333 - 333 - 333 + 33 + 33 + 3}{3} \\ &:= \frac{4444 - 444 - 444 + 44 + 44 + 4}{4} = \frac{5555 - 555 - 555 + 55 + 55 + 5}{5} = \frac{6666 - 666 - 666 + 66 + 66 + 6}{6} \\ &:= \frac{7777 - 777 - 777 + 77 + 77 + 7}{7} = \frac{8888 - 888 - 888 + 88 + 88 + 8}{8} = \frac{9999 - 999 - 999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9912} &:= \frac{11111 - 1111 - 111 + 11 + 11 + 1}{1} = \frac{22222 - 2222 - 222 + 22 + 22 + 2}{2} = \frac{33333 - 3333 - 333 + 33 + 33 + 3}{3} \\ &:= \frac{44444 - 4444 - 444 + 44 + 44 + 4}{4} = \frac{55555 - 5555 - 555 + 55 + 55 + 5}{5} = \frac{66666 - 6666 - 666 + 66 + 66 + 6}{6} \\ &:= \frac{77777 - 7777 - 777 + 77 + 77 + 7}{7} = \frac{88888 - 8888 - 888 + 88 + 88 + 8}{8} = \frac{99999 - 9999 - 999 + 99 + 99 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99912} &:= \frac{111111 - 11111 - 111 + 11 + 11 + 1}{1} = \frac{222222 - 22222 - 222 + 22 + 22 + 2}{2} = \frac{333333 - 33333 - 333 + 33 + 33 + 3}{3} \\ &:= \frac{444444 - 44444 - 444 + 44 + 44 + 4}{4} = \frac{555555 - 55555 - 555 + 55 + 55 + 5}{5} = \frac{666666 - 66666 - 666 + 66 + 66 + 6}{6} \\ &:= \frac{777777 - 77777 - 777 + 77 + 77 + 7}{7} = \frac{888888 - 88888 - 888 + 88 + 88 + 8}{8} = \frac{999999 - 99999 - 999 + 99 + 99 + 9}{9} \end{aligned}$$

999912

:=

$$\frac{1111111-111111-111+11+11+1}{1}=\frac{2222222-222222-222+22+22+2}{2}=\frac{3333333-333333-333+33+33+3}{3}$$

:=

$$\frac{4444444-444444-444+44+44+4}{4}=\frac{5555555-555555-555+55+55+5}{5}=\frac{6666666-666666-666+66+66+6}{6}$$

:=

$$\frac{7777777-777777-777+77+77+7}{7}=\frac{8888888-888888-888+88+88+8}{8}=\frac{9999999-999999-999+99+99+9}{9}$$

► 913

:=

$$\frac{1111-111-111+11+11+1+1}{1}=\frac{2222-222-222+22+22+2+2}{2}=\frac{3333-333-333+33+33+3+3}{3}$$

:=

$$\frac{4444-444-444+44+44+4+4}{4}=\frac{5555-555-555+55+55+5+5}{5}=\frac{6666-666-666+66+66+6+6}{6}$$

:=

$$\frac{7777-777-777+77+77+7+7}{7}=\frac{8888-888-888+88+88+8+8}{8}=\frac{9999-999-999+99+99+9+9}{9}$$

9913

:=

$$\frac{11111-1111-111+11+11+1+1}{1}=\frac{22222-2222-222+22+22+2+2}{2}=\frac{33333-3333-333+33+33+3+3}{3}$$

:=

$$\frac{44444-4444-444+44+44+4+4}{4}=\frac{55555-5555-555+55+55+5+5}{5}=\frac{66666-6666-666+66+66+6+6}{6}$$

:=

$$\frac{77777-7777-777+77+77+7+7}{7}=\frac{88888-8888-888+88+88+8+8}{8}=\frac{99999-9999-999+99+99+9+9}{9}$$

99913

:=

$$\frac{111111-11111-111+11+11+1+1}{1}=\frac{222222-22222-222+22+22+2+2}{2}=\frac{333333-33333-333+33+33+3+3}{3}$$

:=

$$\frac{444444-44444-444+44+44+4+4}{4}=\frac{555555-55555-555+55+55+5+5}{5}=\frac{666666-66666-666+66+66+6+6}{6}$$

:=

$$\frac{777777-77777-777+77+77+7+7}{7}=\frac{888888-88888-888+88+88+8+8}{8}=\frac{999999-99999-999+99+99+9+9}{9}$$

999913

:=

$$\frac{1111111-111111-111+11+11+1+1}{1}=\frac{2222222-222222-222+22+22+2+2}{2}=\frac{3333333-333333-333+33+33+3+3}{3}$$

:=

$$\frac{4444444-444444-444+44+44+4+4}{4}=\frac{5555555-555555-555+55+55+5+5}{5}=\frac{6666666-666666-666+66+66+6+6}{6}$$

:=

$$\frac{7777777-777777-777+77+77+7+7}{7}=\frac{8888888-888888-888+88+88+8+8}{8}=\frac{9999999-999999-999+99+99+9+9}{9}$$

► 914

:=

$$\frac{1111-111-111+11+11+1+1+1}{1}=\frac{2222-222-222+22+22+2+2+2}{2}=\frac{3333-333-333+33+33+3+3+3}{3}$$

:=

$$\frac{4444-444-444+44+44+4+4+4}{4}=\frac{5555-555-555+55+55+5+5+5}{5}=\frac{6666-666-666+66+66+6+6+6}{6}$$

:=

$$\frac{7777-777-777+77+77+7+7+7}{7}=\frac{8888-888-888+88+88+8+8+8}{8}=\frac{9999-999-999+99+99+9+9+9}{9}$$

9914

:=

$$\frac{11111-1111-111+11+11+1+1+1}{1}=\frac{22222-2222-222+22+22+2+2+2}{2}=\frac{33333-3333-333+33+33+3+3+3}{3}$$

:=

$$\frac{44444-4444-444+44+44+4+4+4}{4}=\frac{55555-5555-555+55+55+5+5+5}{5}=\frac{66666-6666-666+66+66+6+6+6}{6}$$

$$:= \frac{77777-7777-777+77+77+7+7+7}{7} = \frac{88888-8888-888+88+88+8+8+8}{8} = \frac{99999-9999-999+99+99+9+9+9}{9}$$

$$\begin{aligned} \textcolor{red}{99914} &:= \frac{111111-11111-111+11+11+1+1+1}{1} = \frac{222222-22222-222+22+22+2+2+2}{2} = \frac{333333-33333-333+33+33+3+3+3}{3} \\ &:= \frac{444444-44444-444+44+44+4+4+4}{4} = \frac{555555-55555-555+55+55+5+5+5}{5} = \frac{666666-66666-666+66+66+6+6+6}{6} \\ &:= \frac{777777-77777-777+77+77+7+7+7}{7} = \frac{888888-88888-888+88+88+8+8+8}{8} = \frac{999999-99999-999+99+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999914} &:= \frac{1111111-111111-111+11+11+1+1+1}{1} = \frac{2222222-222222-222+22+22+2+2+2}{2} = \frac{3333333-333333-333+33+33+3+3+3}{3} \\ &:= \frac{4444444-444444-444+44+44+4+4+4}{4} = \frac{5555555-555555-555+55+55+5+5+5}{5} = \frac{6666666-666666-666+66+66+6+6+6}{6} \\ &:= \frac{7777777-777777-777+77+77+7+7+7}{7} = \frac{8888888-888888-888+88+88+8+8+8}{8} = \frac{9999999-999999-999+99+99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \quad \textcolor{red}{915} &:= \frac{11111+1}{11+1} - \frac{11}{1} = \frac{22222+2}{22+2} - \frac{22}{2} = \frac{33333+3}{33+3} - \frac{33}{3} \\ &:= \frac{44444+4}{44+4} - \frac{44}{4} = \frac{55555+5}{55+5} - \frac{55}{5} = \frac{66666+6}{66+6} - \frac{66}{6} \\ &:= \frac{77777+7}{77+7} - \frac{77}{7} = \frac{88888+8}{88+8} - \frac{88}{8} = \frac{99999+9}{99+9} - \frac{99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925915} &:= \frac{11111111+1}{11+1} - \frac{11}{1} = \frac{22222222+2}{22+2} - \frac{22}{2} = \frac{33333333+3}{33+3} - \frac{33}{3} \\ &:= \frac{44444444+4}{44+4} - \frac{44}{4} = \frac{55555555+5}{55+5} - \frac{55}{5} = \frac{66666666+6}{66+6} - \frac{66}{6} \\ &:= \frac{77777777+7}{77+7} - \frac{77}{7} = \frac{88888888+8}{88+8} - \frac{88}{8} = \frac{99999999+9}{99+9} - \frac{99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925915} &:= \frac{1111111111+1}{11+1} - \frac{11}{1} = \frac{2222222222+2}{22+2} - \frac{22}{2} = \frac{3333333333+3}{33+3} - \frac{33}{3} \\ &:= \frac{44444444444+4}{44+4} - \frac{44}{4} = \frac{55555555555+5}{55+5} - \frac{55}{5} = \frac{66666666666+6}{66+6} - \frac{66}{6} \\ &:= \frac{77777777777+7}{77+7} - \frac{77}{7} = \frac{88888888888+8}{88+8} - \frac{88}{8} = \frac{99999999999+9}{99+9} - \frac{99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925925915} &:= \frac{1111111111111+1}{11+1} - \frac{11}{1} = \frac{2222222222222+2}{22+2} - \frac{22}{2} = \frac{3333333333333+3}{33+3} - \frac{33}{3} \\ &:= \frac{44444444444444+4}{44+4} - \frac{44}{4} = \frac{55555555555555+5}{55+5} - \frac{55}{5} = \frac{66666666666666+6}{66+6} - \frac{66}{6} \\ &:= \frac{77777777777777+7}{77+7} - \frac{77}{7} = \frac{88888888888888+8}{88+8} - \frac{88}{8} = \frac{99999999999999+9}{99+9} - \frac{99}{9} \end{aligned}$$

$$\blacktriangleright \quad \textcolor{red}{916}:= \frac{11111+1}{11+1} - \frac{11-1}{1} = \frac{22222+2}{22+2} - \frac{22-2}{2} = \frac{33333+3}{33+3} - \frac{33-3}{3}$$

$$\begin{aligned} &:= \frac{44444+4}{44+4} - \frac{44-4}{4} = \frac{55555+5}{55+5} - \frac{55-5}{5} = \frac{66666+6}{66+6} - \frac{66-6}{6} \\ &:= \frac{77777+7}{77+7} - \frac{77-7}{7} = \frac{88888+8}{88+8} - \frac{88-8}{8} = \frac{99999+9}{99+9} - \frac{99-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925916} &:= \frac{11111111+1}{11+1} - \frac{11-1}{1} = \frac{2222222+2}{22+2} - \frac{22-2}{2} = \frac{3333333+3}{33+3} - \frac{33-3}{3} \\ &:= \frac{44444444+4}{44+4} - \frac{44-4}{4} = \frac{5555555+5}{55+5} - \frac{55-5}{5} = \frac{6666666+6}{66+6} - \frac{66-6}{6} \\ &:= \frac{7777777+7}{77+7} - \frac{77-7}{7} = \frac{8888888+8}{88+8} - \frac{88-8}{8} = \frac{9999999+9}{99+9} - \frac{99-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925916} &:= \frac{1111111111+1}{11+1} - \frac{11-1}{1} = \frac{222222222+2}{22+2} - \frac{22-2}{2} = \frac{333333333+3}{33+3} - \frac{33-3}{3} \\ &:= \frac{4444444444+4}{44+4} - \frac{44-4}{4} = \frac{555555555+5}{55+5} - \frac{55-5}{5} = \frac{666666666+6}{66+6} - \frac{66-6}{6} \\ &:= \frac{777777777+7}{77+7} - \frac{77-7}{7} = \frac{888888888+8}{88+8} - \frac{88-8}{8} = \frac{999999999+9}{99+9} - \frac{99-9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925925916} &:= \frac{111111111111+1}{11+1} - \frac{11-1}{1} = \frac{22222222222+2}{22+2} - \frac{22-2}{2} = \frac{33333333333+3}{33+3} - \frac{33-3}{3} \\ &:= \frac{444444444444+4}{44+4} - \frac{44-4}{4} = \frac{55555555555+5}{55+5} - \frac{55-5}{5} = \frac{66666666666+6}{66+6} - \frac{66-6}{6} \\ &:= \frac{77777777777+7}{77+7} - \frac{77-7}{7} = \frac{88888888888+8}{88+8} - \frac{88-8}{8} = \frac{99999999999+9}{99+9} - \frac{99-9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{917} &:= \frac{(111-11+1+1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(222-22+2+2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(333-33+3+3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44+4+4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(555-55+5+5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(666-66+6+6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77+7+7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(888-88+8+8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(999-99+9+9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9917} &:= \frac{(1111-11+1+1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(2222-22+2+2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(3333-33+3+3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-44+4+4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(5555-55+5+5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(6666-66+6+6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-77+7+7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(8888-88+8+8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(9999-99+9+9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99917} &:= \frac{(11111-11+1+1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(22222-22+2+2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(33333-33+3+3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-44+4+4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(55555-55+5+5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(66666-66+6+6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-77+7+7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(88888-88+8+8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(99999-99+9+9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

999917

$$\begin{aligned} &:= \frac{(111111 - 11 + 1 + 1) \times (11 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(222222 - 22 + 2 + 2) \times (22 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(333333 - 33 + 3 + 3) \times (33 - 3 - 3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44 + 4 + 4) \times (44 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 55 + 5 + 5) \times (55 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 66 + 6 + 6) \times (66 - 6 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77 + 7 + 7) \times (77 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 88 + 8 + 8) \times (88 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 99 + 9 + 9) \times (99 - 9 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► 918

$$\begin{aligned} &:= \frac{(111 - 11 + 1 + 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(222 - 22 + 2 + 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(333 - 33 + 3 + 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444 - 44 + 4 + 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(555 - 55 + 5 + 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(666 - 66 + 6 + 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777 - 77 + 7 + 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(888 - 88 + 8 + 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(999 - 99 + 9 + 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

9918

$$\begin{aligned} &:= \frac{(1111 - 11 + 1 + 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(2222 - 22 + 2 + 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(3333 - 33 + 3 + 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(4444 - 44 + 4 + 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(5555 - 55 + 5 + 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(6666 - 66 + 6 + 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(7777 - 77 + 7 + 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(8888 - 88 + 8 + 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(9999 - 99 + 9 + 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

99918

$$\begin{aligned} &:= \frac{(11111 - 11 + 1 + 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(22222 - 22 + 2 + 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(33333 - 33 + 3 + 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(44444 - 44 + 4 + 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(55555 - 55 + 5 + 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(66666 - 66 + 6 + 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(77777 - 77 + 7 + 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(88888 - 88 + 8 + 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(99999 - 99 + 9 + 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

999918

$$\begin{aligned} &:= \frac{(111111 - 11 + 1 + 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(222222 - 22 + 2 + 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(333333 - 33 + 3 + 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444444 - 44 + 4 + 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(555555 - 55 + 5 + 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(666666 - 66 + 6 + 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777777 - 77 + 7 + 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(888888 - 88 + 8 + 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(999999 - 99 + 9 + 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

► 919

$$\begin{aligned} &:= \frac{(111 - 11 + 1 + 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 22 + 2 + 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 33 + 3 + 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 + 4 + 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 55 + 5 + 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 66 + 6 + 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 + 7 + 7) \times (77 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 88 + 8 + 8) \times (88 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 99 + 9 + 9) \times (99 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

9919

$$\begin{aligned} &:= \frac{(1111 - 11 + 1 + 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 22 + 2 + 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 33 + 3 + 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 44 + 4 + 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 55 + 5 + 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 66 + 6 + 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(7777-77+7+7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(8888-88+8+8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(9999-99+9+9) \times (99-9-9) + 9 \times 9}{9 \times 9} \\ \textcolor{red}{99919} &:= \frac{(11111-11+1+1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(22222-22+2+2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(33333-33+3+3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-44+4+4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(55555-55+5+5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(66666-66+6+6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-77+7+7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(88888-88+8+8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(99999-99+9+9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999919} &:= \frac{(111111-11+1+1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(222222-22+2+2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(333333-33+3+3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44+4+4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(555555-55+5+5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(666666-66+6+6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-77+7+7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(888888-88+8+8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(999999-99+9+9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{920} &:= \frac{1111 \times (11-1-1) + 11 \times 11}{1 \times 11} = \frac{2222 \times (22-2-2) + 22 \times 22}{2 \times 22} = \frac{3333 \times (33-3-3) + 33 \times 33}{3 \times 33} \\ &:= \frac{4444 \times (44-4-4) + 44 \times 44}{4 \times 44} = \frac{5555 \times (55-5-5) + 55 \times 55}{5 \times 55} = \frac{6666 \times (66-6-6) + 66 \times 66}{6 \times 66} \\ &:= \frac{7777 \times (77-7-7) + 77 \times 77}{7 \times 77} = \frac{8888 \times (88-8-8) + 88 \times 88}{8 \times 88} = \frac{9999 \times (99-9-9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{90920} &:= \frac{111111 \times (11-1-1) + 11 \times 11}{1 \times 11} = \frac{222222 \times (22-2-2) + 22 \times 22}{2 \times 22} = \frac{333333 \times (33-3-3) + 33 \times 33}{3 \times 33} \\ &:= \frac{444444 \times (44-4-4) + 44 \times 44}{4 \times 44} = \frac{555555 \times (55-5-5) + 55 \times 55}{5 \times 55} = \frac{666666 \times (66-6-6) + 66 \times 66}{6 \times 66} \\ &:= \frac{777777 \times (77-7-7) + 77 \times 77}{7 \times 77} = \frac{888888 \times (88-8-8) + 88 \times 88}{8 \times 88} = \frac{999999 \times (99-9-9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9090920} &:= \frac{11111111 \times (11-1-1) + 11 \times 11}{1 \times 11} = \frac{22222222 \times (22-2-2) + 22 \times 22}{2 \times 22} = \frac{33333333 \times (33-3-3) + 33 \times 33}{3 \times 33} \\ &:= \frac{44444444 \times (44-4-4) + 44 \times 44}{4 \times 44} = \frac{55555555 \times (55-5-5) + 55 \times 55}{5 \times 55} = \frac{66666666 \times (66-6-6) + 66 \times 66}{6 \times 66} \\ &:= \frac{77777777 \times (77-7-7) + 77 \times 77}{7 \times 77} = \frac{88888888 \times (88-8-8) + 88 \times 88}{8 \times 88} = \frac{99999999 \times (99-9-9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{909090920} &:= \frac{1111111111 \times (11-1-1) + 11 \times 11}{1 \times 11} = \frac{2222222222 \times (22-2-2) + 22 \times 22}{2 \times 22} = \frac{3333333333 \times (33-3-3) + 33 \times 33}{3 \times 33} \\ &:= \frac{4444444444 \times (44-4-4) + 44 \times 44}{4 \times 44} = \frac{5555555555 \times (55-5-5) + 55 \times 55}{5 \times 55} = \frac{6666666666 \times (66-6-6) + 66 \times 66}{6 \times 66} \\ &:= \frac{7777777777 \times (77-7-7) + 77 \times 77}{7 \times 77} = \frac{8888888888 \times (88-8-8) + 88 \times 88}{8 \times 88} = \frac{9999999999 \times (99-9-9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{921} &:= \frac{1111 \times (11-1-1) + 11 \times (11+1)}{1 \times 11} = \frac{2222 \times (22-2-2) + 22 \times (22+2)}{2 \times 22} = \frac{3333 \times (33-3-3) + 33 \times (33+3)}{3 \times 33} \end{aligned}$$

$$\begin{aligned} &:= \frac{4444 \times (44 - 4 - 4) + 44 \times (44 + 4)}{4 \times 44} = \frac{5555 \times (55 - 5 - 5) + 55 \times (55 + 5)}{5 \times 55} = \frac{6666 \times (66 - 6 - 6) + 66 \times (66 + 6)}{6 \times 66} \\ &:= \frac{7777 \times (77 - 7 - 7) + 77 \times (77 + 7)}{7 \times 77} = \frac{8888 \times (88 - 8 - 8) + 88 \times (88 + 8)}{8 \times 88} = \frac{9999 \times (99 - 9 - 9) + 99 \times (99 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{90921} &:= \frac{111111 \times (11 - 1 - 1) + 11 \times (11 + 1)}{1 \times 11} = \frac{222222 \times (22 - 2 - 2) + 22 \times (22 + 2)}{2 \times 22} = \frac{333333 \times (33 - 3 - 3) + 33 \times (33 + 3)}{3 \times 33} \\ &:= \frac{444444 \times (44 - 4 - 4) + 44 \times (44 + 4)}{4 \times 44} = \frac{555555 \times (55 - 5 - 5) + 55 \times (55 + 5)}{5 \times 55} = \frac{666666 \times (66 - 6 - 6) + 66 \times (66 + 6)}{6 \times 66} \\ &:= \frac{777777 \times (77 - 7 - 7) + 77 \times (77 + 7)}{7 \times 77} = \frac{888888 \times (88 - 8 - 8) + 88 \times (88 + 8)}{8 \times 88} = \frac{999999 \times (99 - 9 - 9) + 99 \times (99 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9090921} &:= \frac{11111111 \times (11 - 1 - 1) + 11 \times (11 + 1)}{1 \times 11} = \frac{22222222 \times (22 - 2 - 2) + 22 \times (22 + 2)}{2 \times 22} = \frac{33333333 \times (33 - 3 - 3) + 33 \times (33 + 3)}{3 \times 33} \\ &:= \frac{44444444 \times (44 - 4 - 4) + 44 \times (44 + 4)}{4 \times 44} = \frac{55555555 \times (55 - 5 - 5) + 55 \times (55 + 5)}{5 \times 55} = \frac{66666666 \times (66 - 6 - 6) + 66 \times (66 + 6)}{6 \times 66} \\ &:= \frac{77777777 \times (77 - 7 - 7) + 77 \times (77 + 7)}{7 \times 77} = \frac{88888888 \times (88 - 8 - 8) + 88 \times (88 + 8)}{8 \times 88} = \frac{99999999 \times (99 - 9 - 9) + 99 \times (99 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{909090921} &:= \frac{1111111111 \times (11 - 1 - 1) + 11 \times (11 + 1)}{1 \times 11} = \frac{2222222222 \times (22 - 2 - 2) + 22 \times (22 + 2)}{2 \times 22} = \frac{3333333333 \times (33 - 3 - 3) + 33 \times (33 + 3)}{3 \times 33} \\ &:= \frac{4444444444 \times (44 - 4 - 4) + 44 \times (44 + 4)}{4 \times 44} = \frac{5555555555 \times (55 - 5 - 5) + 55 \times (55 + 5)}{5 \times 55} = \frac{6666666666 \times (66 - 6 - 6) + 66 \times (66 + 6)}{6 \times 66} \\ &:= \frac{7777777777 \times (77 - 7 - 7) + 77 \times (77 + 7)}{7 \times 77} = \frac{8888888888 \times (88 - 8 - 8) + 88 \times (88 + 8)}{8 \times 88} = \frac{9999999999 \times (99 - 9 - 9) + 99 \times (99 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{922} &:= \frac{1111 \times (11 - 1 - 1) + 11 \times (11 + 1 + 1)}{1 \times 11} = \frac{2222 \times (22 - 2 - 2) + 22 \times (22 + 2 + 2)}{2 \times 22} = \frac{3333 \times (33 - 3 - 3) + 33 \times (33 + 3 + 3)}{3 \times 33} \\ &:= \frac{4444 \times (44 - 4 - 4) + 44 \times (44 + 4 + 4)}{4 \times 44} = \frac{5555 \times (55 - 5 - 5) + 55 \times (55 + 5 + 5)}{5 \times 55} = \frac{6666 \times (66 - 6 - 6) + 66 \times (66 + 6 + 6)}{6 \times 66} \\ &:= \frac{7777 \times (77 - 7 - 7) + 77 \times (77 + 7 + 7)}{7 \times 77} = \frac{8888 \times (88 - 8 - 8) + 88 \times (88 + 8 + 8)}{8 \times 88} = \frac{9999 \times (99 - 9 - 9) + 99 \times (99 + 9 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{90922} &:= \frac{111111 \times (11 - 1 - 1) + 11 \times (11 + 1 + 1)}{1 \times 11} = \frac{222222 \times (22 - 2 - 2) + 22 \times (22 + 2 + 2)}{2 \times 22} = \frac{333333 \times (33 - 3 - 3) + 33 \times (33 + 3 + 3)}{3 \times 33} \\ &:= \frac{444444 \times (44 - 4 - 4) + 44 \times (44 + 4 + 4)}{4 \times 44} = \frac{555555 \times (55 - 5 - 5) + 55 \times (55 + 5 + 5)}{5 \times 55} = \frac{666666 \times (66 - 6 - 6) + 66 \times (66 + 6 + 6)}{6 \times 66} \\ &:= \frac{777777 \times (77 - 7 - 7) + 77 \times (77 + 7 + 7)}{7 \times 77} = \frac{888888 \times (88 - 8 - 8) + 88 \times (88 + 8 + 8)}{8 \times 88} = \frac{999999 \times (99 - 9 - 9) + 99 \times (99 + 9 + 9)}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9090922} &:= \frac{11111111 \times (11 - 1 - 1) + 11 \times (11 + 1 + 1)}{1 \times 11} = \frac{22222222 \times (22 - 2 - 2) + 22 \times (22 + 2 + 2)}{2 \times 22} = \frac{33333333 \times (33 - 3 - 3) + 33 \times (33 + 3 + 3)}{3 \times 33} \\ &:= \frac{44444444 \times (44 - 4 - 4) + 44 \times (44 + 4 + 4)}{4 \times 44} = \frac{55555555 \times (55 - 5 - 5) + 55 \times (55 + 5 + 5)}{5 \times 55} = \frac{66666666 \times (66 - 6 - 6) + 66 \times (66 + 6 + 6)}{6 \times 66} \\ &:= \frac{77777777 \times (77 - 7 - 7) + 77 \times (77 + 7 + 7)}{7 \times 77} = \frac{88888888 \times (88 - 8 - 8) + 88 \times (88 + 8 + 8)}{8 \times 88} = \frac{99999999 \times (99 - 9 - 9) + 99 \times (99 + 9 + 9)}{9 \times 99} \end{aligned}$$

909090922:=
$$\frac{1111111111 \times (11 - 1 - 1) + 11 \times (11 + 1 + 1)}{1 \times 11} = \frac{2222222222 \times (22 - 2 - 2) + 22 \times (22 + 2 + 2)}{2 \times 22} = \frac{3333333333 \times (33 - 3 - 3) + 33 \times (33 + 3 + 3)}{3 \times 33}$$
$$:= \frac{4444444444 \times (44 - 4 - 4) + 44 \times (44 + 4 + 4)}{4 \times 44} = \frac{5555555555 \times (55 - 5 - 5) + 55 \times (55 + 5 + 5)}{5 \times 55} = \frac{6666666666 \times (66 - 6 - 6) + 66 \times (66 + 6 + 6)}{6 \times 66}$$
$$:= \frac{7777777777 \times (77 - 7 - 7) + 77 \times (77 + 7 + 7)}{7 \times 77} = \frac{8888888888 \times (88 - 8 - 8) + 88 \times (88 + 8 + 8)}{8 \times 88} = \frac{9999999999 \times (99 - 9 - 9) + 99 \times (99 + 9 + 9)}{9 \times 99}$$

► 923:=
$$\frac{11111 - 11 - 11 - 11 - 1 - 1}{11 + 1} = \frac{22222 - 22 - 22 - 22 - 2 - 2}{22 + 2} = \frac{33333 - 33 - 33 - 33 - 3 - 3}{33 + 3}$$
$$:= \frac{44444 - 44 - 44 - 44 - 4 - 4}{44 + 4} = \frac{55555 - 55 - 55 - 55 - 5 - 5}{55 + 5} = \frac{66666 - 66 - 66 - 66 - 6 - 6}{66 + 6}$$
$$:= \frac{77777 - 77 - 77 - 77 - 7 - 7}{77 + 7} = \frac{88888 - 88 - 88 - 88 - 8 - 8}{88 + 8} = \frac{99999 - 99 - 99 - 99 - 9 - 9}{99 + 9}$$

925923:=
$$\frac{111111111 - 11 - 11 - 11 - 1 - 1}{11 + 1} = \frac{22222222 - 22 - 22 - 22 - 2 - 2}{22 + 2} = \frac{33333333 - 33 - 33 - 33 - 3 - 3}{33 + 3}$$
$$:= \frac{444444444 - 44 - 44 - 44 - 4 - 4}{44 + 4} = \frac{55555555 - 55 - 55 - 55 - 5 - 5}{55 + 5} = \frac{66666666 - 66 - 66 - 66 - 6 - 6}{66 + 6}$$
$$:= \frac{777777777 - 77 - 77 - 77 - 7 - 7}{77 + 7} = \frac{88888888 - 88 - 88 - 88 - 8 - 8}{88 + 8} = \frac{99999999 - 99 - 99 - 99 - 9 - 9}{99 + 9}$$

925925923:=
$$\frac{11111111111 - 11 - 11 - 11 - 1 - 1}{11 + 1} = \frac{2222222222 - 22 - 22 - 22 - 2 - 2}{22 + 2} = \frac{3333333333 - 33 - 33 - 33 - 3 - 3}{33 + 3}$$
$$:= \frac{44444444444 - 44 - 44 - 44 - 4 - 4}{44 + 4} = \frac{5555555555 - 55 - 55 - 55 - 5 - 5}{55 + 5} = \frac{6666666666 - 66 - 66 - 66 - 6 - 6}{66 + 6}$$
$$:= \frac{77777777777 - 77 - 77 - 77 - 7 - 7}{77 + 7} = \frac{8888888888 - 88 - 88 - 88 - 8 - 8}{88 + 8} = \frac{9999999999 - 99 - 99 - 99 - 9 - 9}{99 + 9}$$

925925925923:=
$$\frac{11111111111111 - 11 - 11 - 11 - 1 - 1}{11 + 1} = \frac{222222222222 - 22 - 22 - 22 - 2 - 2}{22 + 2} = \frac{333333333333 - 33 - 33 - 33 - 3 - 3}{33 + 3}$$
$$:= \frac{44444444444444 - 44 - 44 - 44 - 4 - 4}{44 + 4} = \frac{555555555555 - 55 - 55 - 55 - 5 - 5}{55 + 5} = \frac{666666666666 - 66 - 66 - 66 - 6 - 6}{66 + 6}$$
$$:= \frac{77777777777777 - 77 - 77 - 77 - 7 - 7}{77 + 7} = \frac{888888888888 - 88 - 88 - 88 - 8 - 8}{88 + 8} = \frac{999999999999 - 99 - 99 - 99 - 9 - 9}{99 + 9}$$

► 924:=
$$\frac{11111 - 11 - 11 - 1}{11 + 1} = \frac{22222 - 22 - 22 - 2}{22 + 2} = \frac{33333 - 33 - 33 - 3}{33 + 3}$$
$$:= \frac{44444 - 44 - 44 - 4}{44 + 4} = \frac{55555 - 55 - 55 - 5}{55 + 5} = \frac{66666 - 66 - 66 - 6}{66 + 6}$$
$$:= \frac{77777 - 77 - 77 - 7}{77 + 7} = \frac{88888 - 88 - 88 - 8}{88 + 8} = \frac{99999 - 99 - 99 - 9}{99 + 9}$$

925924:=
$$\frac{11111111 - 11 - 11 - 1}{11 + 1} = \frac{22222222 - 22 - 22 - 2}{22 + 2} = \frac{33333333 - 33 - 33 - 3}{33 + 3}$$
$$:= \frac{44444444 - 44 - 44 - 4}{44 + 4} = \frac{55555555 - 55 - 55 - 5}{55 + 5} = \frac{66666666 - 66 - 66 - 6}{66 + 6}$$

$$:= \frac{77777777 - 77 - 77 - 7}{77 + 7} = \frac{88888888 - 88 - 88 - 8}{88 + 8} = \frac{99999999 - 99 - 99 - 9}{99 + 9}$$

$$\begin{aligned} \textcolor{red}{925925924} &:= \frac{11111111111 - 11 - 11 - 1}{11 + 1} = \frac{22222222222 - 22 - 22 - 2}{22 + 2} = \frac{33333333333 - 33 - 33 - 3}{33 + 3} \\ &:= \frac{44444444444 - 44 - 44 - 4}{44 + 4} = \frac{55555555555 - 55 - 55 - 5}{55 + 5} = \frac{66666666666 - 66 - 66 - 6}{66 + 6} \\ &:= \frac{77777777777 - 77 - 77 - 7}{77 + 7} = \frac{88888888888 - 88 - 88 - 8}{88 + 8} = \frac{99999999999 - 99 - 99 - 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925925924} &:= \frac{1111111111111 - 11 - 11 - 1}{11 + 1} = \frac{2222222222222 - 22 - 22 - 2}{22 + 2} = \frac{3333333333333 - 33 - 33 - 3}{33 + 3} \\ &:= \frac{4444444444444 - 44 - 44 - 4}{44 + 4} = \frac{5555555555555 - 55 - 55 - 5}{55 + 5} = \frac{6666666666666 - 66 - 66 - 6}{66 + 6} \\ &:= \frac{7777777777777 - 77 - 77 - 7}{77 + 7} = \frac{8888888888888 - 88 - 88 - 8}{88 + 8} = \frac{9999999999999 - 99 - 99 - 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{925} &:= \frac{11111 - 11}{11 + 1} = \frac{22222 - 22}{22 + 2} = \frac{33333 - 33}{33 + 3} \\ &:= \frac{44444 - 44}{44 + 4} = \frac{55555 - 55}{55 + 5} = \frac{66666 - 66}{66 + 6} \\ &:= \frac{77777 - 77}{77 + 7} = \frac{88888 - 88}{88 + 8} = \frac{99999 - 99}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925} &:= \frac{11111111 - 11}{11 + 1} = \frac{22222222 - 22}{22 + 2} = \frac{33333333 - 33}{33 + 3} \\ &:= \frac{44444444 - 44}{44 + 4} = \frac{55555555 - 55}{55 + 5} = \frac{66666666 - 66}{66 + 6} \\ &:= \frac{77777777 - 77}{77 + 7} = \frac{88888888 - 88}{88 + 8} = \frac{99999999 - 99}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925925} &:= \frac{11111111111 - 11}{11 + 1} = \frac{22222222222 - 22}{22 + 2} = \frac{33333333333 - 33}{33 + 3} \\ &:= \frac{44444444444 - 44}{44 + 4} = \frac{55555555555 - 55}{55 + 5} = \frac{66666666666 - 66}{66 + 6} \\ &:= \frac{77777777777 - 77}{77 + 7} = \frac{88888888888 - 88}{88 + 8} = \frac{99999999999 - 99}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925925925} &:= \frac{1111111111111 - 11}{11 + 1} = \frac{2222222222222 - 22}{22 + 2} = \frac{3333333333333 - 33}{33 + 3} \\ &:= \frac{4444444444444 - 44}{44 + 4} = \frac{5555555555555 - 55}{55 + 5} = \frac{6666666666666 - 66}{66 + 6} \\ &:= \frac{7777777777777 - 77}{77 + 7} = \frac{8888888888888 - 88}{88 + 8} = \frac{9999999999999 - 99}{99 + 9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{926} := \frac{11111 + 1}{11 + 1} = \frac{22222 + 2}{22 + 2} = \frac{33333 + 3}{33 + 3}$$

$$\begin{aligned} &:= \frac{44444 + 4}{44 + 4} = \frac{55555 + 5}{55 + 5} = \frac{66666 + 6}{66 + 6} \\ &:= \frac{77777 + 7}{77 + 7} = \frac{88888 + 8}{88 + 8} = \frac{99999 + 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925926} &:= \frac{11111111 + 1}{11 + 1} = \frac{22222222 + 2}{22 + 2} = \frac{33333333 + 3}{33 + 3} \\ &:= \frac{44444444 + 4}{44 + 4} = \frac{55555555 + 5}{55 + 5} = \frac{66666666 + 6}{66 + 6} \\ &:= \frac{77777777 + 7}{77 + 7} = \frac{88888888 + 8}{88 + 8} = \frac{99999999 + 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925926} &:= \frac{1111111111 + 1}{11 + 1} = \frac{2222222222 + 2}{22 + 2} = \frac{3333333333 + 3}{33 + 3} \\ &:= \frac{4444444444 + 4}{44 + 4} = \frac{5555555555 + 5}{55 + 5} = \frac{6666666666 + 6}{66 + 6} \\ &:= \frac{7777777777 + 7}{77 + 7} = \frac{8888888888 + 8}{88 + 8} = \frac{9999999999 + 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925925926} &:= \frac{1111111111111 + 1}{11 + 1} = \frac{2222222222222 + 2}{22 + 2} = \frac{3333333333333 + 3}{33 + 3} \\ &:= \frac{4444444444444 + 4}{44 + 4} = \frac{5555555555555 + 5}{55 + 5} = \frac{6666666666666 + 6}{66 + 6} \\ &:= \frac{7777777777777 + 7}{77 + 7} = \frac{8888888888888 + 8}{88 + 8} = \frac{9999999999999 + 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{927} &:= \frac{11111 + 11 + 1 + 1}{11 + 1} = \frac{22222 + 22 + 2 + 2}{22 + 2} = \frac{33333 + 33 + 3 + 3}{33 + 3} \\ &:= \frac{44444 + 44 + 4 + 4}{44 + 4} = \frac{55555 + 55 + 5 + 5}{55 + 5} = \frac{66666 + 66 + 6 + 6}{66 + 6} \\ &:= \frac{77777 + 77 + 7 + 7}{77 + 7} = \frac{88888 + 88 + 8 + 8}{88 + 8} = \frac{99999 + 99 + 9 + 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925927} &:= \frac{11111111 + 11 + 1 + 1}{11 + 1} = \frac{22222222 + 22 + 2 + 2}{22 + 2} = \frac{33333333 + 33 + 3 + 3}{33 + 3} \\ &:= \frac{44444444 + 44 + 4 + 4}{44 + 4} = \frac{55555555 + 55 + 5 + 5}{55 + 5} = \frac{66666666 + 66 + 6 + 6}{66 + 6} \\ &:= \frac{77777777 + 77 + 7 + 7}{77 + 7} = \frac{88888888 + 88 + 8 + 8}{88 + 8} = \frac{99999999 + 99 + 9 + 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925927} &:= \frac{1111111111 + 11 + 1 + 1}{11 + 1} = \frac{2222222222 + 22 + 2 + 2}{22 + 2} = \frac{3333333333 + 33 + 3 + 3}{33 + 3} \\ &:= \frac{4444444444 + 44 + 4 + 4}{44 + 4} = \frac{5555555555 + 55 + 5 + 5}{55 + 5} = \frac{6666666666 + 66 + 6 + 6}{66 + 6} \\ &:= \frac{7777777777 + 77 + 7 + 7}{77 + 7} = \frac{8888888888 + 88 + 8 + 8}{88 + 8} = \frac{9999999999 + 99 + 9 + 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} &:= \frac{(777777 + 77) \times (77 - 7 - 7) + 77 \times 77}{7 \times 77} = \frac{(888888 + 88) \times (88 - 8 - 8) + 88 \times 88}{8 \times 88} = \frac{(999999 + 99) \times (99 - 9 - 9) + 99 \times 99}{9 \times 99} \\ \mathbf{9090929} &:= \frac{(11111111 + 11) \times (11 - 1 - 1) + 11 \times 11}{1 \times 11} = \frac{(22222222 + 22) \times (22 - 2 - 2) + 22 \times 22}{2 \times 22} = \frac{(33333333 + 33) \times (33 - 3 - 3) + 33 \times 33}{3 \times 33} \\ &:= \frac{(44444444 + 44) \times (44 - 4 - 4) + 44 \times 44}{4 \times 44} = \frac{(55555555 + 55) \times (55 - 5 - 5) + 55 \times 55}{5 \times 55} = \frac{(66666666 + 66) \times (66 - 6 - 6) + 66 \times 66}{6 \times 66} \\ &:= \frac{(77777777 + 77) \times (77 - 7 - 7) + 77 \times 77}{7 \times 77} = \frac{(88888888 + 88) \times (88 - 8 - 8) + 88 \times 88}{8 \times 88} = \frac{(99999999 + 99) \times (99 - 9 - 9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \mathbf{909090929} &:= \frac{(1111111111 + 11) \times (11 - 1 - 1) + 11 \times 11}{1 \times 11} = \frac{(2222222222 + 22) \times (22 - 2 - 2) + 22 \times 22}{2 \times 22} = \frac{(3333333333 + 33) \times (33 - 3 - 3) + 33 \times 33}{3 \times 33} \\ &:= \frac{(4444444444 + 44) \times (44 - 4 - 4) + 44 \times 44}{4 \times 44} = \frac{(5555555555 + 55) \times (55 - 5 - 5) + 55 \times 55}{5 \times 55} = \frac{(6666666666 + 66) \times (66 - 6 - 6) + 66 \times 66}{6 \times 66} \\ &:= \frac{(7777777777 + 77) \times (77 - 7 - 7) + 77 \times 77}{7 \times 77} = \frac{(8888888888 + 88) \times (88 - 8 - 8) + 88 \times 88}{8 \times 88} = \frac{(9999999999 + 99) \times (99 - 9 - 9) + 99 \times 99}{9 \times 99} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{930} &:= \frac{11111 - 11}{11 + 1} + \frac{11 - 1}{1 + 1} = \frac{22222 - 22}{22 + 2} + \frac{22 - 2}{2 + 2} = \frac{33333 - 33}{33 + 3} + \frac{33 - 3}{3 + 3} \\ &:= \frac{44444 - 44}{44 + 4} + \frac{44 - 4}{4 + 4} = \frac{55555 - 55}{55 + 5} + \frac{55 - 5}{5 + 5} = \frac{66666 - 66}{66 + 6} + \frac{66 - 6}{6 + 6} \\ &:= \frac{77777 - 77}{77 + 7} + \frac{77 - 7}{7 + 7} = \frac{88888 - 88}{88 + 8} + \frac{88 - 8}{8 + 8} = \frac{99999 - 99}{99 + 9} + \frac{99 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{925930} &:= \frac{11111111 - 11}{11 + 1} + \frac{11 - 1}{1 + 1} = \frac{22222222 - 22}{22 + 2} + \frac{22 - 2}{2 + 2} = \frac{33333333 - 33}{33 + 3} + \frac{33 - 3}{3 + 3} \\ &:= \frac{44444444 - 44}{44 + 4} + \frac{44 - 4}{4 + 4} = \frac{55555555 - 55}{55 + 5} + \frac{55 - 5}{5 + 5} = \frac{66666666 - 66}{66 + 6} + \frac{66 - 6}{6 + 6} \\ &:= \frac{77777777 - 77}{77 + 7} + \frac{77 - 7}{7 + 7} = \frac{88888888 - 88}{88 + 8} + \frac{88 - 8}{8 + 8} = \frac{99999999 - 99}{99 + 9} + \frac{99 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{925925930} &:= \frac{11111111111 - 11}{11 + 1} + \frac{11 - 1}{1 + 1} = \frac{22222222222 - 22}{22 + 2} + \frac{22 - 2}{2 + 2} = \frac{33333333333 - 33}{33 + 3} + \frac{33 - 3}{3 + 3} \\ &:= \frac{44444444444 - 44}{44 + 4} + \frac{44 - 4}{4 + 4} = \frac{55555555555 - 55}{55 + 5} + \frac{55 - 5}{5 + 5} = \frac{66666666666 - 66}{66 + 6} + \frac{66 - 6}{6 + 6} \\ &:= \frac{77777777777 - 77}{77 + 7} + \frac{77 - 7}{7 + 7} = \frac{88888888888 - 88}{88 + 8} + \frac{88 - 8}{8 + 8} = \frac{99999999999 - 99}{99 + 9} + \frac{99 - 9}{9 + 9} \end{aligned}$$

$$\begin{aligned} \mathbf{925925925930} &:= \frac{11111111111111 - 11}{11 + 1} + \frac{11 - 1}{1 + 1} = \frac{22222222222222 - 22}{22 + 2} + \frac{22 - 2}{2 + 2} = \frac{33333333333333 - 33}{33 + 3} + \frac{33 - 3}{3 + 3} \\ &:= \frac{44444444444444 - 44}{44 + 4} + \frac{44 - 4}{4 + 4} = \frac{55555555555555 - 55}{55 + 5} + \frac{55 - 5}{5 + 5} = \frac{66666666666666 - 66}{66 + 6} + \frac{66 - 6}{6 + 6} \\ &:= \frac{77777777777777 - 77}{77 + 7} + \frac{77 - 7}{7 + 7} = \frac{88888888888888 - 88}{88 + 8} + \frac{88 - 8}{8 + 8} = \frac{99999999999999 - 99}{99 + 9} + \frac{99 - 9}{9 + 9} \end{aligned}$$

$$\blacktriangleright \mathbf{931} := \frac{(111 + 11 + 11) \times (11 + 1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222 + 22 + 22) \times (22 + 2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333 + 33 + 33) \times (33 + 3 + 3 + 3)}{(3 + 3) \times 3}$$

$$\begin{aligned} &:= \frac{(444 + 44 + 44) \times (44 + 4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555 + 55 + 55) \times (55 + 5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666 + 66 + 66) \times (66 + 6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777 + 77 + 77) \times (77 + 7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888 + 88 + 88) \times (88 + 8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999 + 99 + 99) \times (99 + 9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{7931} &:= \frac{(1111 + 11 + 11) \times (11 + 1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(2222 + 22 + 22) \times (22 + 2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(3333 + 33 + 33) \times (33 + 3 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(4444 + 44 + 44) \times (44 + 4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(5555 + 55 + 55) \times (55 + 5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(6666 + 66 + 66) \times (66 + 6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(7777 + 77 + 77) \times (77 + 7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(8888 + 88 + 88) \times (88 + 8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(9999 + 99 + 99) \times (99 + 9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{77931} &:= \frac{(11111 + 11 + 11) \times (11 + 1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(22222 + 22 + 22) \times (22 + 2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(33333 + 33 + 33) \times (33 + 3 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(44444 + 44 + 44) \times (44 + 4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(55555 + 55 + 55) \times (55 + 5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(66666 + 66 + 66) \times (66 + 6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(77777 + 77 + 77) \times (77 + 7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(88888 + 88 + 88) \times (88 + 8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(99999 + 99 + 99) \times (99 + 9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{777931} &:= \frac{(111111 + 11 + 11) \times (11 + 1 + 1 + 1)}{(1 + 1) \times 1} = \frac{(222222 + 22 + 22) \times (22 + 2 + 2 + 2)}{(2 + 2) \times 2} = \frac{(333333 + 33 + 33) \times (33 + 3 + 3 + 3)}{(3 + 3) \times 3} \\ &:= \frac{(444444 + 44 + 44) \times (44 + 4 + 4 + 4)}{(4 + 4) \times 4} = \frac{(555555 + 55 + 55) \times (55 + 5 + 5 + 5)}{(5 + 5) \times 5} = \frac{(666666 + 66 + 66) \times (66 + 6 + 6 + 6)}{(6 + 6) \times 6} \\ &:= \frac{(777777 + 77 + 77) \times (77 + 7 + 7 + 7)}{(7 + 7) \times 7} = \frac{(888888 + 88 + 88) \times (88 + 8 + 8 + 8)}{(8 + 8) \times 8} = \frac{(999999 + 99 + 99) \times (99 + 9 + 9 + 9)}{(9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textbf{932} &:= \frac{(111 \times (1 + 1) + 11 \times 1) \times (1 + 1 + 1 + 1)}{1 \times 1 \times 1} = \frac{(222 \times (2 + 2) + 22 \times 2) \times (2 + 2 + 2 + 2)}{2 \times 2 \times 2} = \frac{(333 \times (3 + 3) + 33 \times 3) \times (3 + 3 + 3 + 3)}{3 \times 3 \times 3} \\ &:= \frac{(444 \times (4 + 4) + 44 \times 4) \times (4 + 4 + 4 + 4)}{4 \times 4 \times 4} = \frac{(555 \times (5 + 5) + 55 \times 5) \times (5 + 5 + 5 + 5)}{5 \times 5 \times 5} = \frac{(666 \times (6 + 6) + 66 \times 6) \times (6 + 6 + 6 + 6)}{6 \times 6 \times 6} \\ &:= \frac{(777 \times (7 + 7) + 77 \times 7) \times (7 + 7 + 7 + 7)}{7 \times 7 \times 7} = \frac{(888 \times (8 + 8) + 88 \times 8) \times (8 + 8 + 8 + 8)}{8 \times 8 \times 8} = \frac{(999 \times (9 + 9) + 99 \times 9) \times (9 + 9 + 9 + 9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{8932} &:= \frac{(1111 \times (1 + 1) + 11 \times 1) \times (1 + 1 + 1 + 1)}{1 \times 1 \times 1} = \frac{(2222 \times (2 + 2) + 22 \times 2) \times (2 + 2 + 2 + 2)}{2 \times 2 \times 2} = \frac{(3333 \times (3 + 3) + 33 \times 3) \times (3 + 3 + 3 + 3)}{3 \times 3 \times 3} \\ &:= \frac{(4444 \times (4 + 4) + 44 \times 4) \times (4 + 4 + 4 + 4)}{4 \times 4 \times 4} = \frac{(5555 \times (5 + 5) + 55 \times 5) \times (5 + 5 + 5 + 5)}{5 \times 5 \times 5} = \frac{(6666 \times (6 + 6) + 66 \times 6) \times (6 + 6 + 6 + 6)}{6 \times 6 \times 6} \\ &:= \frac{(7777 \times (7 + 7) + 77 \times 7) \times (7 + 7 + 7 + 7)}{7 \times 7 \times 7} = \frac{(8888 \times (8 + 8) + 88 \times 8) \times (8 + 8 + 8 + 8)}{8 \times 8 \times 8} = \frac{(9999 \times (9 + 9) + 99 \times 9) \times (9 + 9 + 9 + 9)}{9 \times 9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{88932} &:= \frac{(11111 \times (1 + 1) + 11 \times 1) \times (1 + 1 + 1 + 1)}{1 \times 1 \times 1} = \frac{(22222 \times (2 + 2) + 22 \times 2) \times (2 + 2 + 2 + 2)}{2 \times 2 \times 2} = \frac{(33333 \times (3 + 3) + 33 \times 3) \times (3 + 3 + 3 + 3)}{3 \times 3 \times 3} \\ &:= \frac{(44444 \times (4 + 4) + 44 \times 4) \times (4 + 4 + 4 + 4)}{4 \times 4 \times 4} = \frac{(55555 \times (5 + 5) + 55 \times 5) \times (5 + 5 + 5 + 5)}{5 \times 5 \times 5} = \frac{(66666 \times (6 + 6) + 66 \times 6) \times (6 + 6 + 6 + 6)}{6 \times 6 \times 6} \\ &:= \frac{(77777 \times (7 + 7) + 77 \times 7) \times (7 + 7 + 7 + 7)}{7 \times 7 \times 7} = \frac{(88888 \times (8 + 8) + 88 \times 8) \times (8 + 8 + 8 + 8)}{8 \times 8 \times 8} = \frac{(99999 \times (9 + 9) + 99 \times 9) \times (9 + 9 + 9 + 9)}{9 \times 9 \times 9} \end{aligned}$$

888932

$$\begin{aligned} &:= \frac{(111111 \times (1 + 1) + 11 \times 1) \times (1 + 1 + 1 + 1)}{1 \times 1 \times 1} = \frac{(222222 \times (2 + 2) + 22 \times 2) \times (2 + 2 + 2 + 2)}{2 \times 2 \times 2} = \frac{(333333 \times (3 + 3) + 33 \times 3) \times (3 + 3 + 3 + 3)}{3 \times 3 \times 3} \\ &:= \frac{(444444 \times (4 + 4) + 44 \times 4) \times (4 + 4 + 4 + 4)}{4 \times 4 \times 4} = \frac{(555555 \times (5 + 5) + 55 \times 5) \times (5 + 5 + 5 + 5)}{5 \times 5 \times 5} = \frac{(666666 \times (6 + 6) + 66 \times 6) \times (6 + 6 + 6 + 6)}{6 \times 6 \times 6} \\ &:= \frac{(777777 \times (7 + 7) + 77 \times 7) \times (7 + 7 + 7 + 7)}{7 \times 7 \times 7} = \frac{(888888 \times (8 + 8) + 88 \times 8) \times (8 + 8 + 8 + 8)}{8 \times 8 \times 8} = \frac{(999999 \times (9 + 9) + 99 \times 9) \times (9 + 9 + 9 + 9)}{9 \times 9 \times 9} \end{aligned}$$

► 933

$$\begin{aligned} &:= \frac{(1111 + 11) \times (11 - 1) - (11 + 1) \times (1 + 1)}{1 \times (11 + 1)} = \frac{(2222 + 22) \times (22 - 2) - (22 + 2) \times (2 + 2)}{2 \times (22 + 2)} = \frac{(3333 + 33) \times (33 - 3) - (33 + 3) \times (3 + 3)}{3 \times (33 + 3)} \\ &:= \frac{(4444 + 44) \times (44 - 4) - (44 + 4) \times (4 + 4)}{4 \times (44 + 4)} = \frac{(5555 + 55) \times (55 - 5) - (55 + 5) \times (5 + 5)}{5 \times (55 + 5)} = \frac{(6666 + 66) \times (66 - 6) - (66 + 6) \times (6 + 6)}{6 \times (66 + 6)} \\ &:= \frac{(7777 + 77) \times (77 - 7) - (77 + 7) \times (7 + 7)}{7 \times (77 + 7)} = \frac{(8888 + 88) \times (88 - 8) - (88 + 8) \times (8 + 8)}{8 \times (88 + 8)} = \frac{(9999 + 99) \times (99 - 9) - (99 + 9) \times (9 + 9)}{9 \times (99 + 9)} \end{aligned}$$

925933

$$\begin{aligned} &:= \frac{(1111111 + 11) \times (11 - 1) - (11 + 1) \times (1 + 1)}{1 \times (11 + 1)} = \frac{(2222222 + 22) \times (22 - 2) - (22 + 2) \times (2 + 2)}{2 \times (22 + 2)} = \frac{(3333333 + 33) \times (33 - 3) - (33 + 3) \times (3 + 3)}{3 \times (33 + 3)} \\ &:= \frac{(4444444 + 44) \times (44 - 4) - (44 + 4) \times (4 + 4)}{4 \times (44 + 4)} = \frac{(5555555 + 55) \times (55 - 5) - (55 + 5) \times (5 + 5)}{5 \times (55 + 5)} = \frac{(6666666 + 66) \times (66 - 6) - (66 + 6) \times (6 + 6)}{6 \times (66 + 6)} \\ &:= \frac{(7777777 + 77) \times (77 - 7) - (77 + 7) \times (7 + 7)}{7 \times (77 + 7)} = \frac{(8888888 + 88) \times (88 - 8) - (88 + 8) \times (8 + 8)}{8 \times (88 + 8)} = \frac{(9999999 + 99) \times (99 - 9) - (99 + 9) \times (9 + 9)}{9 \times (99 + 9)} \end{aligned}$$

925925933

$$\begin{aligned} &:= \frac{(1111111111 + 11) \times (11 - 1) - (11 + 1) \times (1 + 1)}{1 \times (11 + 1)} = \frac{(2222222222 + 22) \times (22 - 2) - (22 + 2) \times (2 + 2)}{2 \times (22 + 2)} = \frac{(3333333333 + 33) \times (33 - 3) - (33 + 3) \times (3 + 3)}{3 \times (33 + 3)} \\ &:= \frac{(4444444444 + 44) \times (44 - 4) - (44 + 4) \times (4 + 4)}{4 \times (44 + 4)} = \frac{(5555555555 + 55) \times (55 - 5) - (55 + 5) \times (5 + 5)}{5 \times (55 + 5)} = \frac{(6666666666 + 66) \times (66 - 6) - (66 + 6) \times (6 + 6)}{6 \times (66 + 6)} \\ &:= \frac{(7777777777 + 77) \times (77 - 7) - (77 + 7) \times (7 + 7)}{7 \times (77 + 7)} = \frac{(8888888888 + 88) \times (88 - 8) - (88 + 8) \times (8 + 8)}{8 \times (88 + 8)} = \frac{(9999999999 + 99) \times (99 - 9) - (99 + 9) \times (9 + 9)}{9 \times (99 + 9)} \end{aligned}$$

925925925933

$$\begin{aligned} &:= \frac{(1111111111111 + 11) \times (11 - 1) - (11 + 1) \times (1 + 1)}{1 \times (11 + 1)} = \frac{(222222222222 + 22) \times (22 - 2) - (22 + 2) \times (2 + 2)}{2 \times (22 + 2)} = \frac{(333333333333 + 33) \times (33 - 3) - (33 + 3) \times (3 + 3)}{3 \times (33 + 3)} \\ &:= \frac{(4444444444444 + 44) \times (44 - 4) - (44 + 4) \times (4 + 4)}{4 \times (44 + 4)} = \frac{(5555555555555 + 55) \times (55 - 5) - (55 + 5) \times (5 + 5)}{5 \times (55 + 5)} = \frac{(6666666666666 + 66) \times (66 - 6) - (66 + 6) \times (6 + 6)}{6 \times (66 + 6)} \\ &:= \frac{(7777777777777 + 77) \times (77 - 7) - (77 + 7) \times (7 + 7)}{7 \times (77 + 7)} = \frac{(8888888888888 + 88) \times (88 - 8) - (88 + 8) \times (8 + 8)}{8 \times (88 + 8)} = \frac{(9999999999999 + 99) \times (99 - 9) - (99 + 9) \times (9 + 9)}{9 \times (99 + 9)} \end{aligned}$$

► 934

$$\begin{aligned} &:= \frac{(1111 + 11) \times (11 - 1) - (11 + 1) \times 1}{1 \times (11 + 1)} = \frac{(2222 + 22) \times (22 - 2) - (22 + 2) \times 2}{2 \times (22 + 2)} = \frac{(3333 + 33) \times (33 - 3) - (33 + 3) \times 3}{3 \times (33 + 3)} \\ &:= \frac{(4444 + 44) \times (44 - 4) - (44 + 4) \times 4}{4 \times (44 + 4)} = \frac{(5555 + 55) \times (55 - 5) - (55 + 5) \times 5}{5 \times (55 + 5)} = \frac{(6666 + 66) \times (66 - 6) - (66 + 6) \times 6}{6 \times (66 + 6)} \\ &:= \frac{(7777 + 77) \times (77 - 7) - (77 + 7) \times 7}{7 \times (77 + 7)} = \frac{(8888 + 88) \times (88 - 8) - (88 + 8) \times 8}{8 \times (88 + 8)} = \frac{(9999 + 99) \times (99 - 9) - (99 + 9) \times 9}{9 \times (99 + 9)} \end{aligned}$$

925934

$$\begin{aligned} &:= \frac{(1111111 + 11) \times (11 - 1) - (11 + 1) \times 1}{1 \times (11 + 1)} = \frac{(2222222 + 22) \times (22 - 2) - (22 + 2) \times 2}{2 \times (22 + 2)} = \frac{(3333333 + 33) \times (33 - 3) - (33 + 3) \times 3}{3 \times (33 + 3)} \\ &:= \frac{(4444444 + 44) \times (44 - 4) - (44 + 4) \times 4}{4 \times (44 + 4)} = \frac{(5555555 + 55) \times (55 - 5) - (55 + 5) \times 5}{5 \times (55 + 5)} = \frac{(6666666 + 66) \times (66 - 6) - (66 + 6) \times 6}{6 \times (66 + 6)} \end{aligned}$$

$$\begin{aligned}
 &:= \frac{(7777777+77) \times (77-7) - (77+7) \times 7}{7 \times (77+7)} = \frac{(8888888+88) \times (88-8) - (88+8) \times 8}{8 \times (88+8)} = \frac{(9999999+99) \times (99-9) - (99+9) \times 9}{9 \times (99+9)} \\
 \\
 \textcolor{red}{925925934} &:= \frac{(1111111111+11) \times (11-1) - (11+1) \times 1}{1 \times (11+1)} = \frac{(2222222222+22) \times (22-2) - (22+2) \times 2}{2 \times (22+2)} = \frac{(3333333333+33) \times (33-3) - (33+3) \times 3}{3 \times (33+3)} \\
 &:= \frac{(4444444444+44) \times (44-4) - (44+4) \times 4}{4 \times (44+4)} = \frac{(5555555555+55) \times (55-5) - (55+5) \times 5}{5 \times (55+5)} = \frac{(6666666666+66) \times (66-6) - (66+6) \times 6}{6 \times (66+6)} \\
 &:= \frac{(7777777777+77) \times (77-7) - (77+7) \times 7}{7 \times (77+7)} = \frac{(8888888888+88) \times (88-8) - (88+8) \times 8}{8 \times (88+8)} = \frac{(9999999999+99) \times (99-9) - (99+9) \times 9}{9 \times (99+9)} \\
 \\
 \textcolor{red}{925925925934} &:= \frac{(1111111111111+11) \times (11-1) - (11+1) \times 1}{1 \times (11+1)} = \frac{(2222222222222+22) \times (22-2) - (22+2) \times 2}{2 \times (22+2)} = \frac{(3333333333333+33) \times (33-3) - (33+3) \times 3}{3 \times (33+3)} \\
 &:= \frac{(4444444444444+44) \times (44-4) - (44+4) \times 4}{4 \times (44+4)} = \frac{(5555555555555+55) \times (55-5) - (55+5) \times 5}{5 \times (55+5)} = \frac{(6666666666666+66) \times (66-6) - (66+6) \times 6}{6 \times (66+6)} \\
 &:= \frac{(7777777777777+77) \times (77-7) - (77+7) \times 7}{7 \times (77+7)} = \frac{(8888888888888+88) \times (88-8) - (88+8) \times 8}{8 \times (88+8)} = \frac{(9999999999999+99) \times (99-9) - (99+9) \times 9}{9 \times (99+9)} \\
 \\
 \blacktriangleright \quad \textcolor{red}{935} &:= \frac{11111+111-1-1}{11+1} = \frac{22222+222-2-2}{22+2} = \frac{33333+333-3-3}{33+3} \\
 &:= \frac{44444+444-4-4}{44+4} = \frac{55555+555-5-5}{55+5} = \frac{66666+666-6-6}{66+6} \\
 &:= \frac{77777+777-7-7}{77+7} = \frac{88888+888-8-8}{88+8} = \frac{99999+999-9-9}{99+9} \\
 \\
 \textcolor{red}{925935} &:= \frac{11111111+111-1-1}{11+1} = \frac{22222222+222-2-2}{22+2} = \frac{33333333+333-3-3}{33+3} \\
 &:= \frac{44444444+444-4-4}{44+4} = \frac{55555555+555-5-5}{55+5} = \frac{66666666+666-6-6}{66+6} \\
 &:= \frac{77777777+777-7-7}{77+7} = \frac{88888888+888-8-8}{88+8} = \frac{99999999+999-9-9}{99+9} \\
 \\
 \textcolor{red}{925925935} &:= \frac{1111111111+111-1-1}{11+1} = \frac{2222222222+222-2-2}{22+2} = \frac{3333333333+333-3-3}{33+3} \\
 &:= \frac{4444444444+444-4-4}{44+4} = \frac{5555555555+555-5-5}{55+5} = \frac{6666666666+666-6-6}{66+6} \\
 &:= \frac{7777777777+777-7-7}{77+7} = \frac{8888888888+888-8-8}{88+8} = \frac{9999999999+999-9-9}{99+9} \\
 \\
 \textcolor{red}{925925925935} &:= \frac{1111111111111+111-1-1}{11+1} = \frac{2222222222222+222-2-2}{22+2} = \frac{3333333333333+333-3-3}{33+3} \\
 &:= \frac{4444444444444+444-4-4}{44+4} = \frac{5555555555555+555-5-5}{55+5} = \frac{6666666666666+666-6-6}{66+6} \\
 &:= \frac{7777777777777+777-7-7}{77+7} = \frac{8888888888888+888-8-8}{88+8} = \frac{9999999999999+999-9-9}{99+9} \\
 \\
 \blacktriangleright \quad \textcolor{red}{936} &:= \frac{11111+111+11-1}{11+1} = \frac{22222+222+22-2}{22+2} = \frac{33333+333+33-3}{33+3}
 \end{aligned}$$

$$\begin{aligned} &:= \frac{44444 + 444 + 44 - 4}{44 + 4} = \frac{55555 + 555 + 55 - 5}{55 + 5} = \frac{66666 + 666 + 66 - 6}{66 + 6} \\ &:= \frac{77777 + 777 + 77 - 7}{77 + 7} = \frac{88888 + 888 + 88 - 8}{88 + 8} = \frac{99999 + 999 + 99 - 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9361} &:= \frac{111111 + 1111 + 111 - 1}{11 + 1} = \frac{222222 + 2222 + 222 - 2}{22 + 2} = \frac{333333 + 3333 + 333 - 3}{33 + 3} \\ &:= \frac{444444 + 4444 + 444 - 4}{44 + 4} = \frac{555555 + 5555 + 555 - 5}{55 + 5} = \frac{666666 + 6666 + 666 - 6}{66 + 6} \\ &:= \frac{777777 + 7777 + 777 - 7}{77 + 7} = \frac{888888 + 8888 + 888 - 8}{88 + 8} = \frac{999999 + 9999 + 999 - 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{93611} &:= \frac{1111111 + 11111 + 1111 - 1}{11 + 1} = \frac{2222222 + 22222 + 2222 - 2}{22 + 2} = \frac{3333333 + 33333 + 3333 - 3}{33 + 3} \\ &:= \frac{4444444 + 44444 + 4444 - 4}{44 + 4} = \frac{5555555 + 55555 + 5555 - 5}{55 + 5} = \frac{6666666 + 66666 + 6666 - 6}{66 + 6} \\ &:= \frac{7777777 + 77777 + 7777 - 7}{77 + 7} = \frac{8888888 + 88888 + 8888 - 8}{88 + 8} = \frac{9999999 + 99999 + 9999 - 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{936111} &:= \frac{11111111 + 111111 + 11111 - 1}{11 + 1} = \frac{22222222 + 222222 + 22222 - 2}{22 + 2} = \frac{33333333 + 333333 + 33333 - 3}{33 + 3} \\ &:= \frac{44444444 + 444444 + 44444 - 4}{44 + 4} = \frac{55555555 + 555555 + 55555 - 5}{55 + 5} = \frac{66666666 + 666666 + 66666 - 6}{66 + 6} \\ &:= \frac{77777777 + 777777 + 77777 - 7}{77 + 7} = \frac{88888888 + 888888 + 88888 - 8}{88 + 8} = \frac{99999999 + 999999 + 99999 - 9}{99 + 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{937} &:= \frac{11111 + 111 + 11 + 11}{11 + 1} = \frac{22222 + 222 + 22 + 22}{22 + 2} = \frac{33333 + 333 + 33 + 33}{33 + 3} \\ &:= \frac{44444 + 444 + 44 + 44}{44 + 4} = \frac{55555 + 555 + 55 + 55}{55 + 5} = \frac{66666 + 666 + 66 + 66}{66 + 6} \\ &:= \frac{77777 + 777 + 77 + 77}{77 + 7} = \frac{88888 + 888 + 88 + 88}{88 + 8} = \frac{99999 + 999 + 99 + 99}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925937} &:= \frac{11111111 + 111 + 11 + 11}{11 + 1} = \frac{22222222 + 222 + 22 + 22}{22 + 2} = \frac{33333333 + 333 + 33 + 33}{33 + 3} \\ &:= \frac{44444444 + 444 + 44 + 44}{44 + 4} = \frac{55555555 + 555 + 55 + 55}{55 + 5} = \frac{66666666 + 666 + 66 + 66}{66 + 6} \\ &:= \frac{77777777 + 777 + 77 + 77}{77 + 7} = \frac{88888888 + 888 + 88 + 88}{88 + 8} = \frac{99999999 + 999 + 99 + 99}{99 + 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{925925937} &:= \frac{1111111111 + 111 + 11 + 11}{11 + 1} = \frac{2222222222 + 222 + 22 + 22}{22 + 2} = \frac{3333333333 + 333 + 33 + 33}{33 + 3} \\ &:= \frac{4444444444 + 444 + 44 + 44}{44 + 4} = \frac{5555555555 + 555 + 55 + 55}{55 + 5} = \frac{6666666666 + 666 + 66 + 66}{66 + 6} \\ &:= \frac{7777777777 + 777 + 77 + 77}{77 + 7} = \frac{8888888888 + 888 + 88 + 88}{88 + 8} = \frac{9999999999 + 999 + 99 + 99}{99 + 9} \end{aligned}$$

925925925937 :=
$$\frac{11111111111111 + 111 + 11 + 11}{11 + 1} = \frac{22222222222222 + 222 + 22 + 22}{22 + 2} = \frac{33333333333333 + 333 + 33 + 33}{33 + 3}$$
$$:= \frac{44444444444444 + 444 + 44 + 44}{44 + 4} = \frac{55555555555555 + 555 + 55 + 55}{55 + 5} = \frac{66666666666666 + 666 + 66 + 66}{66 + 6}$$
$$:= \frac{77777777777777 + 777 + 77 + 77}{77 + 7} = \frac{88888888888888 + 888 + 88 + 88}{88 + 8} = \frac{99999999999999 + 999 + 99 + 99}{99 + 9}$$

► **938** :=
$$\frac{(111 + 11 + 11 + 1) \times (11 + 11 - 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 22 + 22 + 2) \times (22 + 22 - 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 33 + 33 + 3) \times (33 + 33 - 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{(444 + 44 + 44 + 4) \times (44 + 44 - 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 55 + 55 + 5) \times (55 + 55 - 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 66 + 66 + 6) \times (66 + 66 - 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{(777 + 77 + 77 + 7) \times (77 + 77 - 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 88 + 88 + 8) \times (88 + 88 - 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 99 + 99 + 9) \times (99 + 99 - 9)}{(9 + 9 + 9) \times 9}$$

7938 :=
$$\frac{(1111 + 11 + 11 + 1) \times (11 + 11 - 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 22 + 22 + 2) \times (22 + 22 - 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 33 + 33 + 3) \times (33 + 33 - 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{(4444 + 44 + 44 + 4) \times (44 + 44 - 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 55 + 55 + 5) \times (55 + 55 - 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 66 + 66 + 6) \times (66 + 66 - 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{(7777 + 77 + 77 + 7) \times (77 + 77 - 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 88 + 88 + 8) \times (88 + 88 - 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 99 + 99 + 9) \times (99 + 99 - 9)}{(9 + 9 + 9) \times 9}$$

77938 :=
$$\frac{(11111 + 11 + 11 + 1) \times (11 + 11 - 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 22 + 22 + 2) \times (22 + 22 - 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 33 + 33 + 3) \times (33 + 33 - 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{(44444 + 44 + 44 + 4) \times (44 + 44 - 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 55 + 55 + 5) \times (55 + 55 - 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 66 + 66 + 6) \times (66 + 66 - 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{(77777 + 77 + 77 + 7) \times (77 + 77 - 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 88 + 88 + 8) \times (88 + 88 - 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 99 + 99 + 9) \times (99 + 99 - 9)}{(9 + 9 + 9) \times 9}$$

777938 :=
$$\frac{(111111 + 11 + 11 + 1) \times (11 + 11 - 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 22 + 22 + 2) \times (22 + 22 - 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 33 + 33 + 3) \times (33 + 33 - 3)}{(3 + 3 + 3) \times 3}$$
$$:= \frac{(444444 + 44 + 44 + 4) \times (44 + 44 - 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 55 + 55 + 5) \times (55 + 55 - 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 66 + 66 + 6) \times (66 + 66 - 6)}{(6 + 6 + 6) \times 6}$$
$$:= \frac{(777777 + 77 + 77 + 7) \times (77 + 77 - 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 88 + 88 + 8) \times (88 + 88 - 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 99 + 99 + 9) \times (99 + 99 - 9)}{(9 + 9 + 9) \times 9}$$

► **939** :=
$$\frac{(111 - 11 - 1 - 1 - 1 - 1 - 1) \times (11 - 1) - 11 \times 1}{1 \times 1} = \frac{(222 - 22 - 2 - 2 - 2 - 2 - 2) \times (22 - 2) - 22 \times 2}{2 \times 2} = \frac{(333 - 33 - 3 - 3 - 3 - 3 - 3) \times (33 - 3) - 33 \times 3}{3 \times 3}$$
$$:= \frac{(444 - 44 - 4 - 4 - 4 - 4 - 4) \times (44 - 4) - 44 \times 4}{4 \times 4} = \frac{(555 - 55 - 5 - 5 - 5 - 5 - 5) \times (55 - 5) - 55 \times 5}{5 \times 5} = \frac{(666 - 66 - 6 - 6 - 6 - 6 - 6) \times (66 - 6) - 66 \times 6}{6 \times 6}$$
$$:= \frac{(777 - 77 - 7 - 7 - 7 - 7 - 7) \times (77 - 7) - 77 \times 7}{7 \times 7} = \frac{(888 - 88 - 8 - 8 - 8 - 8 - 8) \times (88 - 8) - 88 \times 8}{8 \times 8} = \frac{(999 - 99 - 9 - 9 - 9 - 9 - 9) \times (99 - 9) - 99 \times 9}{9 \times 9}$$

9939 :=
$$\frac{(1111 - 111 - 1 - 1 - 1 - 1 - 1) \times (11 - 1) - 11 \times 1}{1 \times 1} = \frac{(2222 - 222 - 2 - 2 - 2 - 2 - 2) \times (22 - 2) - 22 \times 2}{2 \times 2} = \frac{(3333 - 333 - 3 - 3 - 3 - 3 - 3) \times (33 - 3) - 33 \times 3}{3 \times 3}$$
$$:= \frac{(4444 - 444 - 4 - 4 - 4 - 4 - 4) \times (44 - 4) - 44 \times 4}{4 \times 4} = \frac{(5555 - 555 - 5 - 5 - 5 - 5 - 5) \times (55 - 5) - 55 \times 5}{5 \times 5} = \frac{(6666 - 666 - 6 - 6 - 6 - 6 - 6) \times (66 - 6) - 66 \times 6}{6 \times 6}$$

$$\begin{aligned} &:= \frac{(7777-777-7-7-7-7-7) \times (77-7) - 77 \times 7}{7 \times 7} = \frac{(8888-888-8-8-8-8-8) \times (88-8) - 88 \times 8}{8 \times 8} = \frac{(9999-999-9-9-9-9-9) \times (99-9) - 99 \times 9}{9 \times 9} \\ \textcolor{red}{99939} &:= \frac{(11111-1111-1-1-1-1-1) \times (11-1) - 11 \times 1}{1 \times 1} = \frac{(22222-2222-2-2-2-2-2) \times (22-2) - 22 \times 2}{2 \times 2} = \frac{(33333-3333-3-3-3-3-3) \times (33-3) - 33 \times 3}{3 \times 3} \\ &:= \frac{(44444-4444-4-4-4-4-4) \times (44-4) - 44 \times 4}{4 \times 4} = \frac{(55555-5555-5-5-5-5-5) \times (55-5) - 55 \times 5}{5 \times 5} = \frac{(66666-6666-6-6-6-6-6) \times (66-6) - 66 \times 6}{6 \times 6} \\ &:= \frac{(77777-7777-7-7-7-7-7) \times (77-7) - 77 \times 7}{7 \times 7} = \frac{(88888-8888-8-8-8-8-8) \times (88-8) - 88 \times 8}{8 \times 8} = \frac{(99999-9999-9-9-9-9-9) \times (99-9) - 99 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999939} &:= \frac{(111111-11111-1-1-1-1-1) \times (11-1) - 11 \times 1}{1 \times 1} = \frac{(222222-22222-2-2-2-2-2) \times (22-2) - 22 \times 2}{2 \times 2} = \frac{(333333-33333-3-3-3-3-3) \times (33-3) - 33 \times 3}{3 \times 3} \\ &:= \frac{(444444-44444-4-4-4-4-4) \times (44-4) - 44 \times 4}{4 \times 4} = \frac{(555555-55555-5-5-5-5-5) \times (55-5) - 55 \times 5}{5 \times 5} = \frac{(666666-66666-6-6-6-6-6) \times (66-6) - 66 \times 6}{6 \times 6} \\ &:= \frac{(777777-77777-7-7-7-7-7) \times (77-7) - 77 \times 7}{7 \times 7} = \frac{(888888-88888-8-8-8-8-8) \times (88-8) - 88 \times 8}{8 \times 8} = \frac{(999999-99999-9-9-9-9-9) \times (99-9) - 99 \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{940} &:= \frac{(1111+111) \times (11-1)}{1 \times (11+1+1)} = \frac{(2222+222) \times (22-2)}{2 \times (22+2+2)} = \frac{(3333+333) \times (33-3)}{3 \times (33+3+3)} \\ &:= \frac{(4444+444) \times (44-4)}{4 \times (44+4+4)} = \frac{(5555+555) \times (55-5)}{5 \times (55+5+5)} = \frac{(6666+666) \times (66-6)}{6 \times (66+6+6)} \\ &:= \frac{(7777+777) \times (77-7)}{7 \times (77+7+7)} = \frac{(8888+888) \times (88-8)}{8 \times (88+8+8)} = \frac{(9999+999) \times (99-9)}{9 \times (99+9+9)} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9400} &:= \frac{(1111+111) \times (111-11)}{1 \times (11+1+1)} = \frac{(2222+222) \times (222-22)}{2 \times (22+2+2)} = \frac{(3333+333) \times (333-33)}{3 \times (33+3+3)} \\ &:= \frac{(4444+444) \times (444-44)}{4 \times (44+4+4)} = \frac{(5555+555) \times (555-55)}{5 \times (55+5+5)} = \frac{(6666+666) \times (666-66)}{6 \times (66+6+6)} \\ &:= \frac{(7777+777) \times (777-77)}{7 \times (77+7+7)} = \frac{(8888+888) \times (888-88)}{8 \times (88+8+8)} = \frac{(9999+999) \times (999-99)}{9 \times (99+9+9)} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{94000} &:= \frac{(1111+111) \times (1111-111)}{1 \times (11+1+1)} = \frac{(2222+222) \times (2222-222)}{2 \times (22+2+2)} = \frac{(3333+333) \times (3333-333)}{3 \times (33+3+3)} \\ &:= \frac{(4444+444) \times (4444-444)}{4 \times (44+4+4)} = \frac{(5555+555) \times (5555-555)}{5 \times (55+5+5)} = \frac{(6666+666) \times (6666-666)}{6 \times (66+6+6)} \\ &:= \frac{(7777+777) \times (7777-777)}{7 \times (77+7+7)} = \frac{(8888+888) \times (8888-888)}{8 \times (88+8+8)} = \frac{(9999+999) \times (9999-999)}{9 \times (99+9+9)} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{940000} &:= \frac{(1111+111) \times (11111-1111)}{1 \times (11+1+1)} = \frac{(2222+222) \times (22222-2222)}{2 \times (22+2+2)} = \frac{(3333+333) \times (33333-3333)}{3 \times (33+3+3)} \\ &:= \frac{(4444+444) \times (44444-4444)}{4 \times (44+4+4)} = \frac{(5555+555) \times (55555-5555)}{5 \times (55+5+5)} = \frac{(6666+666) \times (66666-6666)}{6 \times (66+6+6)} \\ &:= \frac{(7777+777) \times (77777-7777)}{7 \times (77+7+7)} = \frac{(8888+888) \times (88888-8888)}{8 \times (88+8+8)} = \frac{(9999+999) \times (99999-9999)}{9 \times (99+9+9)} \end{aligned}$$

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$$\textcolor{red}{941} := \frac{(1111+1) \times 11 + 1 \times 1}{(11+1+1) \times 1} = \frac{(2222+2) \times 22 + 2 \times 2}{(22+2+2) \times 2} = \frac{(3333+3) \times 33 + 3 \times 3}{(33+3+3) \times 3}$$

$$\begin{aligned} &:= \frac{(4444 + 4) \times 44 + 4 \times 4}{(44 + 4 + 4) \times 4} = \frac{(5555 + 5) \times 55 + 5 \times 5}{(55 + 5 + 5) \times 5} = \frac{(6666 + 6) \times 66 + 6 \times 6}{(66 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 7) \times 77 + 7 \times 7}{(77 + 7 + 7) \times 7} = \frac{(8888 + 8) \times 88 + 8 \times 8}{(88 + 8 + 8) \times 8} = \frac{(9999 + 9) \times 99 + 9 \times 9}{(99 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{94111} &:= \frac{(111111 + 111) \times 11 + 1 \times 1}{(11 + 1 + 1) \times 1} = \frac{(222222 + 222) \times 22 + 2 \times 2}{(22 + 2 + 2) \times 2} = \frac{(333333 + 333) \times 33 + 3 \times 3}{(33 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 444) \times 44 + 4 \times 4}{(44 + 4 + 4) \times 4} = \frac{(555555 + 555) \times 55 + 5 \times 5}{(55 + 5 + 5) \times 5} = \frac{(666666 + 666) \times 66 + 6 \times 6}{(66 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 777) \times 77 + 7 \times 7}{(77 + 7 + 7) \times 7} = \frac{(888888 + 888) \times 88 + 8 \times 8}{(88 + 8 + 8) \times 8} = \frac{(999999 + 999) \times 99 + 9 \times 9}{(99 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9411111} &:= \frac{(11111111 + 11111) \times 11 + 1 \times 1}{(11 + 1 + 1) \times 1} = \frac{(22222222 + 22222) \times 22 + 2 \times 2}{(22 + 2 + 2) \times 2} = \frac{(33333333 + 33333) \times 33 + 3 \times 3}{(33 + 3 + 3) \times 3} \\ &:= \frac{(44444444 + 44444) \times 44 + 4 \times 4}{(44 + 4 + 4) \times 4} = \frac{(55555555 + 55555) \times 55 + 5 \times 5}{(55 + 5 + 5) \times 5} = \frac{(66666666 + 66666) \times 66 + 6 \times 6}{(66 + 6 + 6) \times 6} \\ &:= \frac{(77777777 + 77777) \times 77 + 7 \times 7}{(77 + 7 + 7) \times 7} = \frac{(88888888 + 88888) \times 88 + 8 \times 8}{(88 + 8 + 8) \times 8} = \frac{(99999999 + 99999) \times 99 + 9 \times 9}{(99 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{941111111} &:= \frac{(1111111111 + 1111111) \times 11 + 1 \times 1}{(11 + 1 + 1) \times 1} = \frac{(2222222222 + 2222222) \times 22 + 2 \times 2}{(22 + 2 + 2) \times 2} = \frac{(3333333333 + 3333333) \times 33 + 3 \times 3}{(33 + 3 + 3) \times 3} \\ &:= \frac{(4444444444 + 4444444) \times 44 + 4 \times 4}{(44 + 4 + 4) \times 4} = \frac{(5555555555 + 5555555) \times 55 + 5 \times 5}{(55 + 5 + 5) \times 5} = \frac{(6666666666 + 6666666) \times 66 + 6 \times 6}{(66 + 6 + 6) \times 6} \\ &:= \frac{(7777777777 + 7777777) \times 77 + 7 \times 7}{(77 + 7 + 7) \times 7} = \frac{(8888888888 + 8888888) \times 88 + 8 \times 8}{(88 + 8 + 8) \times 8} = \frac{(9999999999 + 9999999) \times 99 + 9 \times 9}{(99 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{942} &:= \frac{(1111 - 1) \times (111 + 1) + (1 + 1) \times (11 + 1)}{11 \times (11 + 1)} = \frac{(2222 - 2) \times (222 + 2) + (2 + 2) \times (22 + 2)}{22 \times (22 + 2)} = \frac{(3333 - 3) \times (333 + 3) + (3 + 3) \times (33 + 3)}{33 \times (33 + 3)} \\ &:= \frac{(4444 - 4) \times (444 + 4) + (4 + 4) \times (44 + 4)}{44 \times (44 + 4)} = \frac{(5555 - 5) \times (555 + 5) + (5 + 5) \times (55 + 5)}{55 \times (55 + 5)} = \frac{(6666 - 6) \times (666 + 6) + (6 + 6) \times (66 + 6)}{66 \times (66 + 6)} \\ &:= \frac{(7777 - 7) \times (777 + 7) + (7 + 7) \times (77 + 7)}{77 \times (77 + 7)} = \frac{(8888 - 8) \times (888 + 8) + (8 + 8) \times (88 + 8)}{88 \times (88 + 8)} = \frac{(9999 - 9) \times (999 + 9) + (9 + 9) \times (99 + 9)}{99 \times (99 + 9)} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{94182} &:= \frac{(111111 - 111) \times (111 + 1) + (1 + 1) \times (11 + 1)}{11 \times (11 + 1)} = \frac{(222222 - 222) \times (222 + 2) + (2 + 2) \times (22 + 2)}{22 \times (22 + 2)} = \frac{(333333 - 333) \times (333 + 3) + (3 + 3) \times (33 + 3)}{33 \times (33 + 3)} \\ &:= \frac{(444444 - 444) \times (444 + 4) + (4 + 4) \times (44 + 4)}{44 \times (44 + 4)} = \frac{(555555 - 555) \times (555 + 5) + (5 + 5) \times (55 + 5)}{55 \times (55 + 5)} = \frac{(666666 - 666) \times (666 + 6) + (6 + 6) \times (66 + 6)}{66 \times (66 + 6)} \\ &:= \frac{(777777 - 777) \times (777 + 7) + (7 + 7) \times (77 + 7)}{77 \times (77 + 7)} = \frac{(888888 - 888) \times (888 + 8) + (8 + 8) \times (88 + 8)}{88 \times (88 + 8)} = \frac{(999999 - 999) \times (999 + 9) + (9 + 9) \times (99 + 9)}{99 \times (99 + 9)} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9418182} &:= \frac{(11111111 - 11111) \times (111 + 1) + (1 + 1) \times (11 + 1)}{11 \times (11 + 1)} = \frac{(22222222 - 22222) \times (222 + 2) + (2 + 2) \times (22 + 2)}{22 \times (22 + 2)} = \frac{(33333333 - 33333) \times (333 + 3) + (3 + 3) \times (33 + 3)}{33 \times (33 + 3)} \\ &:= \frac{(44444444 - 44444) \times (444 + 4) + (4 + 4) \times (44 + 4)}{44 \times (44 + 4)} = \frac{(55555555 - 55555) \times (555 + 5) + (5 + 5) \times (55 + 5)}{55 \times (55 + 5)} = \frac{(66666666 - 66666) \times (666 + 6) + (6 + 6) \times (66 + 6)}{66 \times (66 + 6)} \\ &:= \frac{(77777777 - 77777) \times (777 + 7) + (7 + 7) \times (77 + 7)}{77 \times (77 + 7)} = \frac{(88888888 - 88888) \times (888 + 8) + (8 + 8) \times (88 + 8)}{88 \times (88 + 8)} = \frac{(99999999 - 99999) \times (999 + 9) + (9 + 9) \times (99 + 9)}{99 \times (99 + 9)} \end{aligned}$$

$$\textcolor{red}{941818182} := \frac{(1111111111 - 1111111) \times (111 + 1) + (1 + 1) \times (11 + 1)}{11 \times (11 + 1)} = \frac{(2222222222 - 2222222) \times (222 + 2) + (2 + 2) \times (22 + 2)}{22 \times (22 + 2)} = \frac{(3333333333 - 3333333) \times (333 + 3) + (3 + 3) \times (33 + 3)}{33 \times (33 + 3)}$$

$$\begin{aligned} &:= \frac{(4444444444 - 4444444) \times (444 + 4) + (4 + 4) \times (44 + 4)}{44 \times (44 + 4)} = \frac{(5555555555 - 5555555) \times (555 + 5) + (5 + 5) \times (55 + 5)}{55 \times (55 + 5)} = \frac{(6666666666 - 6666666) \times (666 + 6) + (6 + 6) \times (66 + 6)}{66 \times (66 + 6)} \\ &:= \frac{(7777777777 - 7777777) \times (777 + 7) + (7 + 7) \times (77 + 7)}{77 \times (77 + 7)} = \frac{(8888888888 - 8888888) \times (888 + 8) + (8 + 8) \times (88 + 8)}{88 \times (88 + 8)} = \frac{(9999999999 - 9999999) \times (999 + 9) + (9 + 9) \times (99 + 9)}{99 \times (99 + 9)} \end{aligned}$$

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$$\begin{aligned} \textbf{943} &:= \frac{(111 + 11 + 1) \times (11 + 11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222 + 22 + 2) \times (22 + 22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333 + 33 + 3) \times (33 + 33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444 + 44 + 4) \times (44 + 44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555 + 55 + 5) \times (55 + 55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666 + 66 + 6) \times (66 + 66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777 + 77 + 7) \times (77 + 77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888 + 88 + 8) \times (88 + 88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999 + 99 + 9) \times (99 + 99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{9453} &:= \frac{(1111 + 111 + 11) \times (11 + 11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(2222 + 222 + 22) \times (22 + 22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(3333 + 333 + 33) \times (33 + 33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(4444 + 444 + 44) \times (44 + 44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(5555 + 555 + 55) \times (55 + 55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(6666 + 666 + 66) \times (66 + 66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(7777 + 777 + 77) \times (77 + 77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(8888 + 888 + 88) \times (88 + 88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(9999 + 999 + 99) \times (99 + 99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{94553} &:= \frac{(11111 + 1111 + 111) \times (11 + 11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(22222 + 2222 + 222) \times (22 + 22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(33333 + 3333 + 333) \times (33 + 33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(44444 + 4444 + 444) \times (44 + 44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(55555 + 5555 + 555) \times (55 + 55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(66666 + 6666 + 666) \times (66 + 66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(77777 + 7777 + 777) \times (77 + 77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(88888 + 8888 + 888) \times (88 + 88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(99999 + 9999 + 999) \times (99 + 99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{945553} &:= \frac{(111111 + 11111 + 1111) \times (11 + 11 + 1)}{(1 + 1 + 1) \times 1} = \frac{(222222 + 22222 + 2222) \times (22 + 22 + 2)}{(2 + 2 + 2) \times 2} = \frac{(333333 + 33333 + 3333) \times (33 + 33 + 3)}{(3 + 3 + 3) \times 3} \\ &:= \frac{(444444 + 44444 + 4444) \times (44 + 44 + 4)}{(4 + 4 + 4) \times 4} = \frac{(555555 + 55555 + 5555) \times (55 + 55 + 5)}{(5 + 5 + 5) \times 5} = \frac{(666666 + 66666 + 6666) \times (66 + 66 + 6)}{(6 + 6 + 6) \times 6} \\ &:= \frac{(777777 + 77777 + 7777) \times (77 + 77 + 7)}{(7 + 7 + 7) \times 7} = \frac{(888888 + 88888 + 8888) \times (88 + 88 + 8)}{(8 + 8 + 8) \times 8} = \frac{(999999 + 99999 + 9999) \times (99 + 99 + 9)}{(9 + 9 + 9) \times 9} \end{aligned}$$

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$$\begin{aligned} \textbf{944} &:= \frac{(11111 - 111) \times (1 + 1) - (111 + 1) \times 11}{(1 + 1) \times 11} = \frac{(22222 - 222) \times (2 + 2) - (222 + 2) \times 22}{(2 + 2) \times 22} = \frac{(33333 - 333) \times (3 + 3) - (333 + 3) \times 33}{(3 + 3) \times 33} \\ &:= \frac{(44444 - 444) \times (4 + 4) - (444 + 4) \times 44}{(4 + 4) \times 44} = \frac{(55555 - 555) \times (5 + 5) - (555 + 5) \times 55}{(5 + 5) \times 55} = \frac{(66666 - 666) \times (6 + 6) - (666 + 6) \times 66}{(6 + 6) \times 66} \\ &:= \frac{(77777 - 777) \times (7 + 7) - (777 + 7) \times 77}{(7 + 7) \times 77} = \frac{(88888 - 888) \times (8 + 8) - (888 + 8) \times 88}{(8 + 8) \times 88} = \frac{(99999 - 999) \times (9 + 9) - (999 + 9) \times 99}{(9 + 9) \times 99} \end{aligned}$$

$$\begin{aligned} \textbf{9944} &:= \frac{(111111 - 1111) \times (1 + 1) - (111 + 1) \times 11}{(1 + 1) \times 11} = \frac{(222222 - 2222) \times (2 + 2) - (222 + 2) \times 22}{(2 + 2) \times 22} = \frac{(333333 - 3333) \times (3 + 3) - (333 + 3) \times 33}{(3 + 3) \times 33} \\ &:= \frac{(444444 - 4444) \times (4 + 4) - (444 + 4) \times 44}{(4 + 4) \times 44} = \frac{(555555 - 5555) \times (5 + 5) - (555 + 5) \times 55}{(5 + 5) \times 55} = \frac{(666666 - 6666) \times (6 + 6) - (666 + 6) \times 66}{(6 + 6) \times 66} \\ &:= \frac{(777777 - 7777) \times (7 + 7) - (777 + 7) \times 77}{(7 + 7) \times 77} = \frac{(888888 - 8888) \times (8 + 8) - (888 + 8) \times 88}{(8 + 8) \times 88} = \frac{(999999 - 9999) \times (9 + 9) - (999 + 9) \times 99}{(9 + 9) \times 99} \end{aligned}$$

99944

$$\begin{aligned} &:= \frac{(1111111 - 11111) \times (1 + 1) - (111 + 1) \times 11}{(1 + 1) \times 11} = \frac{(2222222 - 22222) \times (2 + 2) - (222 + 2) \times 22}{(2 + 2) \times 22} = \frac{(3333333 - 33333) \times (3 + 3) - (333 + 3) \times 33}{(3 + 3) \times 33} \\ &:= \frac{(4444444 - 44444) \times (4 + 4) - (444 + 4) \times 44}{(4 + 4) \times 44} = \frac{(5555555 - 55555) \times (5 + 5) - (555 + 5) \times 55}{(5 + 5) \times 55} = \frac{(6666666 - 66666) \times (6 + 6) - (666 + 6) \times 66}{(6 + 6) \times 66} \\ &:= \frac{(7777777 - 77777) \times (7 + 7) - (777 + 7) \times 77}{(7 + 7) \times 77} = \frac{(8888888 - 88888) \times (8 + 8) - (888 + 8) \times 88}{(8 + 8) \times 88} = \frac{(9999999 - 99999) \times (9 + 9) - (999 + 9) \times 99}{(9 + 9) \times 99} \end{aligned}$$

999944

$$\begin{aligned} &:= \frac{(11111111 - 111111) \times (1 + 1) - (111 + 1) \times 11}{(1 + 1) \times 11} = \frac{(22222222 - 222222) \times (2 + 2) - (222 + 2) \times 22}{(2 + 2) \times 22} = \frac{(33333333 - 333333) \times (3 + 3) - (333 + 3) \times 33}{(3 + 3) \times 33} \\ &:= \frac{(44444444 - 444444) \times (4 + 4) - (444 + 4) \times 44}{(4 + 4) \times 44} = \frac{(55555555 - 555555) \times (5 + 5) - (555 + 5) \times 55}{(5 + 5) \times 55} = \frac{(66666666 - 666666) \times (6 + 6) - (666 + 6) \times 66}{(6 + 6) \times 66} \\ &:= \frac{(77777777 - 777777) \times (7 + 7) - (777 + 7) \times 77}{(7 + 7) \times 77} = \frac{(88888888 - 888888) \times (8 + 8) - (888 + 8) \times 88}{(8 + 8) \times 88} = \frac{(99999999 - 999999) \times (9 + 9) - (999 + 9) \times 99}{(9 + 9) \times 99} \end{aligned}$$

▶ 945

$$\begin{aligned} &:= \frac{(111 - 11 - 11 - 1 - 1 - 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22 - 2 - 2 - 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33 - 3 - 3 - 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 4 - 4 - 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55 - 5 - 5 - 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66 - 6 - 6 - 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 77 - 7 - 7 - 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88 - 8 - 8 - 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99 - 9 - 9 - 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

9745

$$\begin{aligned} &:= \frac{(1111 - 111 - 111 - 1 - 1 - 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(2222 - 222 - 222 - 2 - 2 - 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(3333 - 333 - 333 - 3 - 3 - 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 444 - 444 - 4 - 4 - 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(5555 - 555 - 555 - 5 - 5 - 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(6666 - 666 - 666 - 6 - 6 - 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 777 - 777 - 7 - 7 - 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(8888 - 888 - 888 - 8 - 8 - 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(9999 - 999 - 999 - 9 - 9 - 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

97745

$$\begin{aligned} &:= \frac{(11111 - 1111 - 1111 - 1 - 1 - 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(22222 - 2222 - 2222 - 2 - 2 - 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(33333 - 3333 - 3333 - 3 - 3 - 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 4444 - 4444 - 4 - 4 - 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(55555 - 5555 - 5555 - 5 - 5 - 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(66666 - 6666 - 6666 - 6 - 6 - 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7777 - 7777 - 7 - 7 - 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(88888 - 8888 - 8888 - 8 - 8 - 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(99999 - 9999 - 9999 - 9 - 9 - 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

977745

$$\begin{aligned} &:= \frac{(111111 - 11111 - 11111 - 1 - 1 - 1) \times 11 - 1 \times 1}{1 \times 1} = \frac{(222222 - 22222 - 22222 - 2 - 2 - 2) \times 22 - 2 \times 2}{2 \times 2} = \frac{(333333 - 33333 - 33333 - 3 - 3 - 3) \times 33 - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44444 - 44444 - 4 - 4 - 4) \times 44 - 4 \times 4}{4 \times 4} = \frac{(555555 - 55555 - 55555 - 5 - 5 - 5) \times 55 - 5 \times 5}{5 \times 5} = \frac{(666666 - 66666 - 66666 - 6 - 6 - 6) \times 66 - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77777 - 77777 - 7 - 7 - 7) \times 77 - 7 \times 7}{7 \times 7} = \frac{(888888 - 88888 - 88888 - 8 - 8 - 8) \times 88 - 8 \times 8}{8 \times 8} = \frac{(999999 - 99999 - 99999 - 9 - 9 - 9) \times 99 - 9 \times 9}{9 \times 9} \end{aligned}$$

▶ 946

$$\begin{aligned} &:= \frac{(111 - 11 - 11 - 1 - 1 - 1) \times 11}{1 \times 1} = \frac{(222 - 22 - 22 - 2 - 2 - 2) \times 22}{2 \times 2} = \frac{(333 - 33 - 33 - 3 - 3 - 3) \times 33}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 4 - 4 - 4) \times 44}{4 \times 4} = \frac{(555 - 55 - 55 - 5 - 5 - 5) \times 55}{5 \times 5} = \frac{(666 - 66 - 66 - 6 - 6 - 6) \times 66}{6 \times 6} \end{aligned}$$

$$:= \frac{(777-77-77-7-7-7) \times 77}{7 \times 7} = \frac{(888-88-88-8-8-8) \times 88}{8 \times 8} = \frac{(999-99-99-9-9-9) \times 99}{9 \times 9}$$

$$\begin{aligned} \textcolor{red}{9746} &:= \frac{(1111-111-111-1-1-1) \times 11}{1 \times 1} = \frac{(2222-222-222-2-2-2) \times 22}{2 \times 2} = \frac{(3333-333-333-3-3-3) \times 33}{3 \times 3} \\ &:= \frac{(4444-444-444-4-4-4) \times 44}{4 \times 4} = \frac{(5555-555-555-5-5-5) \times 55}{5 \times 5} = \frac{(6666-666-666-6-6-6) \times 66}{6 \times 6} \\ &:= \frac{(7777-777-777-7-7-7) \times 77}{7 \times 7} = \frac{(8888-888-888-8-8-8) \times 88}{8 \times 8} = \frac{(9999-999-999-9-9-9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{97746} &:= \frac{(11111-1111-1111-1-1-1) \times 11}{1 \times 1} = \frac{(22222-2222-2222-2-2-2) \times 22}{2 \times 2} = \frac{(33333-3333-3333-3-3-3) \times 33}{3 \times 3} \\ &:= \frac{(44444-4444-4444-4-4-4) \times 44}{4 \times 4} = \frac{(55555-5555-5555-5-5-5) \times 55}{5 \times 5} = \frac{(66666-6666-6666-6-6-6) \times 66}{6 \times 6} \\ &:= \frac{(77777-7777-7777-7-7-7) \times 77}{7 \times 7} = \frac{(88888-8888-8888-8-8-8) \times 88}{8 \times 8} = \frac{(99999-9999-9999-9-9-9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{977746} &:= \frac{(111111-11111-11111-1-1-1) \times 11}{1 \times 1} = \frac{(222222-22222-22222-2-2-2) \times 22}{2 \times 2} = \frac{(333333-33333-33333-3-3-3) \times 33}{3 \times 3} \\ &:= \frac{(444444-44444-44444-4-4-4) \times 44}{4 \times 4} = \frac{(555555-55555-55555-5-5-5) \times 55}{5 \times 5} = \frac{(666666-66666-66666-6-6-6) \times 66}{6 \times 6} \\ &:= \frac{(777777-77777-77777-7-7-7) \times 77}{7 \times 7} = \frac{(888888-88888-88888-8-8-8) \times 88}{8 \times 8} = \frac{(999999-99999-99999-9-9-9) \times 99}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{947} &:= \frac{(111-11-11-1-1-1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(222-22-22-2-2-2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(333-33-33-3-3-3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-44-4-4-4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(555-55-55-5-5-5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(666-66-66-6-6-6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-77-7-7-7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(888-88-88-8-8-8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(999-99-99-9-9-9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9747} &:= \frac{(1111-111-111-1-1-1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(2222-222-222-2-2-2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(3333-333-333-3-3-3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-444-444-4-4-4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(5555-555-555-5-5-5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(6666-666-666-6-6-6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-777-777-7-7-7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(8888-888-888-8-8-8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(9999-999-999-9-9-9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{97747} &:= \frac{(11111-1111-1111-1-1-1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(22222-2222-2222-2-2-2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(33333-3333-3333-3-3-3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4444-4444-4-4-4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(55555-5555-5555-5-5-5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(66666-6666-6666-6-6-6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7777-7777-7-7-7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(88888-8888-8888-8-8-8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(99999-9999-9999-9-9-9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{977747} &:= \frac{(111111-11111-11111-1-1-1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(222222-22222-22222-2-2-2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(333333-33333-33333-3-3-3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44444-44444-4-4-4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(555555-55555-55555-5-5-5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(666666-66666-66666-6-6-6) \times 66 + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(777777-77777-77777-7-7-7) \times 77+7 \times 7}{7 \times 7} = \frac{(888888-88888-88888-8-8-8) \times 88+8 \times 8}{8 \times 8} = \frac{(999999-99999-99999-9-9-9) \times 99+9 \times 9}{9 \times 9}$$

►

$$\begin{aligned} \textbf{948} &:= \frac{(111-11-11-1-1-1) \times 11+1 \times (1+1)}{1 \times 1} = \frac{(222-22-22-2-2-2) \times 22+2 \times (2+2)}{2 \times 2} = \frac{(333-33-33-3-3-3) \times 33+3 \times (3+3)}{3 \times 3} \\ &:= \frac{(444-44-44-4-4-4) \times 44+4 \times (4+4)}{4 \times 4} = \frac{(555-55-55-5-5-5) \times 55+5 \times (5+5)}{5 \times 5} = \frac{(666-66-66-6-6-6) \times 66+6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777-77-77-7-7-7) \times 77+7 \times (7+7)}{7 \times 7} = \frac{(888-88-88-8-8-8) \times 88+8 \times (8+8)}{8 \times 8} = \frac{(999-99-99-9-9-9) \times 99+9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{9748} &:= \frac{(1111-111-111-1-1-1) \times 11+1 \times (1+1)}{1 \times 1} = \frac{(2222-222-222-2-2-2) \times 22+2 \times (2+2)}{2 \times 2} = \frac{(3333-333-333-3-3-3) \times 33+3 \times (3+3)}{3 \times 3} \\ &:= \frac{(4444-444-444-4-4-4) \times 44+4 \times (4+4)}{4 \times 4} = \frac{(5555-555-555-5-5-5) \times 55+5 \times (5+5)}{5 \times 5} = \frac{(6666-666-666-6-6-6) \times 66+6 \times (6+6)}{6 \times 6} \\ &:= \frac{(7777-777-777-7-7-7) \times 77+7 \times (7+7)}{7 \times 7} = \frac{(8888-888-888-8-8-8) \times 88+8 \times (8+8)}{8 \times 8} = \frac{(9999-999-999-9-9-9) \times 99+9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{97748} &:= \frac{(11111-1111-1111-1-1-1) \times 11+1 \times (1+1)}{1 \times 1} = \frac{(22222-2222-2222-2-2-2) \times 22+2 \times (2+2)}{2 \times 2} = \frac{(33333-3333-3333-3-3-3) \times 33+3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44444-4444-4444-4-4-4) \times 44+4 \times (4+4)}{4 \times 4} = \frac{(55555-5555-5555-5-5-5) \times 55+5 \times (5+5)}{5 \times 5} = \frac{(66666-6666-6666-6-6-6) \times 66+6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77777-7777-7777-7-7-7) \times 77+7 \times (7+7)}{7 \times 7} = \frac{(88888-8888-8888-8-8-8) \times 88+8 \times (8+8)}{8 \times 8} = \frac{(99999-9999-9999-9-9-9) \times 99+9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{977748} &:= \frac{(111111-11111-11111-1-1-1) \times 11+1 \times (1+1)}{1 \times 1} = \frac{(222222-22222-22222-2-2-2) \times 22+2 \times (2+2)}{2 \times 2} = \frac{(333333-33333-33333-3-3-3) \times 33+3 \times (3+3)}{3 \times 3} \\ &:= \frac{(444444-44444-44444-4-4-4) \times 44+4 \times (4+4)}{4 \times 4} = \frac{(555555-55555-55555-5-5-5) \times 55+5 \times (5+5)}{5 \times 5} = \frac{(666666-66666-66666-6-6-6) \times 66+6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777777-77777-77777-7-7-7) \times 77+7 \times (7+7)}{7 \times 7} = \frac{(888888-88888-88888-8-8-8) \times 88+8 \times (8+8)}{8 \times 8} = \frac{(999999-99999-99999-9-9-9) \times 99+9 \times (9+9)}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} \textbf{949} &:= \frac{(111-11-1-1-1-1-1) \times (11-1)-1 \times 1}{1 \times 1} = \frac{(222-22-2-2-2-2-2) \times (22-2)-2 \times 2}{2 \times 2} = \frac{(333-33-3-3-3-3-3) \times (33-3)-3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-4-4-4-4-4) \times (44-4)-4 \times 4}{4 \times 4} = \frac{(555-55-5-5-5-5-5) \times (55-5)-5 \times 5}{5 \times 5} = \frac{(666-66-6-6-6-6-6) \times (66-6)-6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-7-7-7-7-7) \times (77-7)-7 \times 7}{7 \times 7} = \frac{(888-88-8-8-8-8-8) \times (88-8)-8 \times 8}{8 \times 8} = \frac{(999-99-9-9-9-9-9) \times (99-9)-9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{9949} &:= \frac{(1111-111-1-1-1-1-1) \times (11-1)-1 \times 1}{1 \times 1} = \frac{(2222-222-2-2-2-2-2) \times (22-2)-2 \times 2}{2 \times 2} = \frac{(3333-333-3-3-3-3-3) \times (33-3)-3 \times 3}{3 \times 3} \\ &:= \frac{(4444-444-4-4-4-4-4) \times (44-4)-4 \times 4}{4 \times 4} = \frac{(5555-555-5-5-5-5-5) \times (55-5)-5 \times 5}{5 \times 5} = \frac{(6666-666-6-6-6-6-6) \times (66-6)-6 \times 6}{6 \times 6} \\ &:= \frac{(7777-777-7-7-7-7-7) \times (77-7)-7 \times 7}{7 \times 7} = \frac{(8888-888-8-8-8-8-8) \times (88-8)-8 \times 8}{8 \times 8} = \frac{(9999-999-9-9-9-9-9) \times (99-9)-9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{99949} &:= \frac{(11111-1111-1-1-1-1-1) \times (11-1)-1 \times 1}{1 \times 1} = \frac{(22222-2222-2-2-2-2-2) \times (22-2)-2 \times 2}{2 \times 2} = \frac{(33333-3333-3-3-3-3-3) \times (33-3)-3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4444-4-4-4-4-4) \times (44-4)-4 \times 4}{4 \times 4} = \frac{(55555-5555-5-5-5-5-5) \times (55-5)-5 \times 5}{5 \times 5} = \frac{(66666-6666-6-6-6-6-6) \times (66-6)-6 \times 6}{6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(77777-7777-7-7-7-7-7) \times (77-7) - 7 \times 7}{7 \times 7} = \frac{(88888-8888-8-8-8-8-8) \times (88-8) - 8 \times 8}{8 \times 8} = \frac{(99999-9999-9-9-9-9-9) \times (99-9) - 9 \times 9}{9 \times 9} \\ \textcolor{red}{999949} &:= \frac{(111111-11111-1-1-1-1-1) \times (11-1) - 1 \times 1}{1 \times 1} = \frac{(222222-22222-2-2-2-2-2) \times (22-2) - 2 \times 2}{2 \times 2} = \frac{(333333-33333-3-3-3-3-3) \times (33-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44444-4-4-4-4-4) \times (44-4) - 4 \times 4}{4 \times 4} = \frac{(555555-55555-5-5-5-5-5) \times (55-5) - 5 \times 5}{5 \times 5} = \frac{(666666-66666-6-6-6-6-6) \times (66-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-77777-7-7-7-7-7) \times (77-7) - 7 \times 7}{7 \times 7} = \frac{(888888-88888-8-8-8-8-8) \times (88-8) - 8 \times 8}{8 \times 8} = \frac{(999999-99999-9-9-9-9-9) \times (99-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{950} &:= \frac{(111-11-1-1-1-1-1) \times (11-1)}{1 \times 1} = \frac{(222-22-2-2-2-2-2) \times (22-2)}{2 \times 2} = \frac{(333-33-3-3-3-3-3) \times (33-3)}{3 \times 3} \\ &:= \frac{(444-44-4-4-4-4-4) \times (44-4)}{4 \times 4} = \frac{(555-55-5-5-5-5-5) \times (55-5)}{5 \times 5} = \frac{(666-66-6-6-6-6-6) \times (66-6)}{6 \times 6} \\ &:= \frac{(777-77-7-7-7-7-7) \times (77-7)}{7 \times 7} = \frac{(888-88-8-8-8-8-8) \times (88-8)}{8 \times 8} = \frac{(999-99-9-9-9-9-9) \times (99-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9950} &:= \frac{(1111-111-1-1-1-1-1) \times (11-1)}{1 \times 1} = \frac{(2222-222-2-2-2-2-2) \times (22-2)}{2 \times 2} = \frac{(3333-333-3-3-3-3-3) \times (33-3)}{3 \times 3} \\ &:= \frac{(4444-444-4-4-4-4-4) \times (44-4)}{4 \times 4} = \frac{(5555-555-5-5-5-5-5) \times (55-5)}{5 \times 5} = \frac{(6666-666-6-6-6-6-6) \times (66-6)}{6 \times 6} \\ &:= \frac{(7777-777-7-7-7-7-7) \times (77-7)}{7 \times 7} = \frac{(8888-888-8-8-8-8-8) \times (88-8)}{8 \times 8} = \frac{(9999-999-9-9-9-9-9) \times (99-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99950} &:= \frac{(11111-1111-1-1-1-1-1) \times (11-1)}{1 \times 1} = \frac{(22222-2222-2-2-2-2-2) \times (22-2)}{2 \times 2} = \frac{(33333-3333-3-3-3-3-3) \times (33-3)}{3 \times 3} \\ &:= \frac{(44444-4444-4-4-4-4-4) \times (44-4)}{4 \times 4} = \frac{(55555-5555-5-5-5-5-5) \times (55-5)}{5 \times 5} = \frac{(66666-6666-6-6-6-6-6) \times (66-6)}{6 \times 6} \\ &:= \frac{(77777-7777-7-7-7-7-7) \times (77-7)}{7 \times 7} = \frac{(88888-8888-8-8-8-8-8) \times (88-8)}{8 \times 8} = \frac{(99999-9999-9-9-9-9-9) \times (99-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999950} &:= \frac{(111111-11111-1-1-1-1-1) \times (11-1)}{1 \times 1} = \frac{(222222-22222-2-2-2-2-2) \times (22-2)}{2 \times 2} = \frac{(333333-33333-3-3-3-3-3) \times (33-3)}{3 \times 3} \\ &:= \frac{(444444-44444-4-4-4-4-4) \times (44-4)}{4 \times 4} = \frac{(555555-55555-5-5-5-5-5) \times (55-5)}{5 \times 5} = \frac{(666666-66666-6-6-6-6-6) \times (66-6)}{6 \times 6} \\ &:= \frac{(777777-77777-7-7-7-7-7) \times (77-7)}{7 \times 7} = \frac{(888888-88888-8-8-8-8-8) \times (88-8)}{8 \times 8} = \frac{(999999-99999-9-9-9-9-9) \times (99-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{951} &:= \frac{(111-11-1-1-1-1-1) \times (11-1) + 1 \times 1}{1 \times 1} = \frac{(222-22-2-2-2-2-2) \times (22-2) + 2 \times 2}{2 \times 2} = \frac{(333-33-3-3-3-3-3) \times (33-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-4-4-4-4-4) \times (44-4) + 4 \times 4}{4 \times 4} = \frac{(555-55-5-5-5-5-5) \times (55-5) + 5 \times 5}{5 \times 5} = \frac{(666-66-6-6-6-6-6) \times (66-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-7-7-7-7-7) \times (77-7) + 7 \times 7}{7 \times 7} = \frac{(888-88-8-8-8-8-8) \times (88-8) + 8 \times 8}{8 \times 8} = \frac{(999-99-9-9-9-9-9) \times (99-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9951} &:= \frac{(1111-111-1-1-1-1-1) \times (11-1) + 1 \times 1}{1 \times 1} = \frac{(2222-222-2-2-2-2-2) \times (22-2) + 2 \times 2}{2 \times 2} = \frac{(3333-333-3-3-3-3-3) \times (33-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-444-4-4-4-4-4) \times (44-4) + 4 \times 4}{4 \times 4} = \frac{(5555-555-5-5-5-5-5) \times (55-5) + 5 \times 5}{5 \times 5} = \frac{(6666-666-6-6-6-6-6) \times (66-6) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$\begin{aligned} &:= \frac{(7777-777-7-7-7-7-7) \times (77-7) + 7 \times 7}{7 \times 7} = \frac{(8888-888-8-8-8-8-8) \times (88-8) + 8 \times 8}{8 \times 8} = \frac{(9999-999-9-9-9-9-9) \times (99-9) + 9 \times 9}{9 \times 9} \\ \mathbf{99951} &:= \frac{(11111-1111-1-1-1-1-1) \times (11-1) + 1 \times 1}{1 \times 1} = \frac{(22222-2222-2-2-2-2-2) \times (22-2) + 2 \times 2}{2 \times 2} = \frac{(33333-3333-3-3-3-3-3) \times (33-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4444-4-4-4-4-4) \times (44-4) + 4 \times 4}{4 \times 4} = \frac{(55555-5555-5-5-5-5-5) \times (55-5) + 5 \times 5}{5 \times 5} = \frac{(66666-6666-6-6-6-6-6) \times (66-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7777-7-7-7-7-7) \times (77-7) + 7 \times 7}{7 \times 7} = \frac{(88888-8888-8-8-8-8-8) \times (88-8) + 8 \times 8}{8 \times 8} = \frac{(99999-9999-9-9-9-9-9) \times (99-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{999951} &:= \frac{(111111-11111-1-1-1-1-1) \times (11-1) + 1 \times 1}{1 \times 1} = \frac{(222222-22222-2-2-2-2-2) \times (22-2) + 2 \times 2}{2 \times 2} = \frac{(333333-33333-3-3-3-3-3) \times (33-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44444-4-4-4-4-4) \times (44-4) + 4 \times 4}{4 \times 4} = \frac{(555555-55555-5-5-5-5-5) \times (55-5) + 5 \times 5}{5 \times 5} = \frac{(666666-66666-6-6-6-6-6) \times (66-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-77777-7-7-7-7-7) \times (77-7) + 7 \times 7}{7 \times 7} = \frac{(888888-88888-8-8-8-8-8) \times (88-8) + 8 \times 8}{8 \times 8} = \frac{(999999-99999-9-9-9-9-9) \times (99-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \mathbf{952} &:= \frac{(11+11+11+1) \times (111+1)}{(1+1) \times (1+1)} = \frac{(22+22+22+2) \times (222+2)}{(2+2) \times (2+2)} = \frac{(33+33+33+3) \times (333+3)}{(3+3) \times (3+3)} \\ &:= \frac{(44+44+44+4) \times (444+4)}{(4+4) \times (4+4)} = \frac{(55+55+55+5) \times (555+5)}{(5+5) \times (5+5)} = \frac{(66+66+66+6) \times (666+6)}{(6+6) \times (6+6)} \\ &:= \frac{(77+77+77+7) \times (777+7)}{(7+7) \times (7+7)} = \frac{(88+88+88+8) \times (888+8)}{(8+8) \times (8+8)} = \frac{(99+99+99+9) \times (999+9)}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned} \mathbf{9352} &:= \frac{(111+111+111+1) \times (111+1)}{(1+1) \times (1+1)} = \frac{(222+222+222+2) \times (222+2)}{(2+2) \times (2+2)} = \frac{(333+333+333+3) \times (333+3)}{(3+3) \times (3+3)} \\ &:= \frac{(444+444+444+4) \times (444+4)}{(4+4) \times (4+4)} = \frac{(555+555+555+5) \times (555+5)}{(5+5) \times (5+5)} = \frac{(666+666+666+6) \times (666+6)}{(6+6) \times (6+6)} \\ &:= \frac{(777+777+777+7) \times (777+7)}{(7+7) \times (7+7)} = \frac{(888+888+888+8) \times (888+8)}{(8+8) \times (8+8)} = \frac{(999+999+999+9) \times (999+9)}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned} \mathbf{93352} &:= \frac{(1111+1111+1111+1) \times (111+1)}{(1+1) \times (1+1)} = \frac{(2222+2222+2222+2) \times (222+2)}{(2+2) \times (2+2)} = \frac{(3333+3333+3333+3) \times (333+3)}{(3+3) \times (3+3)} \\ &:= \frac{(4444+4444+4444+4) \times (444+4)}{(4+4) \times (4+4)} = \frac{(5555+5555+5555+5) \times (555+5)}{(5+5) \times (5+5)} = \frac{(6666+6666+6666+6) \times (666+6)}{(6+6) \times (6+6)} \\ &:= \frac{(7777+7777+7777+7) \times (777+7)}{(7+7) \times (7+7)} = \frac{(8888+8888+8888+8) \times (888+8)}{(8+8) \times (8+8)} = \frac{(9999+9999+9999+9) \times (999+9)}{(9+9) \times (9+9)} \end{aligned}$$

$$\begin{aligned} \mathbf{933352} &:= \frac{(11111+11111+11111+1) \times (111+1)}{(1+1) \times (1+1)} = \frac{(22222+22222+22222+2) \times (222+2)}{(2+2) \times (2+2)} = \frac{(33333+33333+33333+3) \times (333+3)}{(3+3) \times (3+3)} \\ &:= \frac{(44444+44444+44444+4) \times (444+4)}{(4+4) \times (4+4)} = \frac{(55555+55555+55555+5) \times (555+5)}{(5+5) \times (5+5)} = \frac{(66666+66666+66666+6) \times (666+6)}{(6+6) \times (6+6)} \\ &:= \frac{(77777+77777+77777+7) \times (777+7)}{(7+7) \times (7+7)} = \frac{(88888+88888+88888+8) \times (888+8)}{(8+8) \times (8+8)} = \frac{(99999+99999+99999+9) \times (999+9)}{(9+9) \times (9+9)} \end{aligned}$$

$$\blacktriangleright \mathbf{953} := \frac{(111-1-1-1-1-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(222-2-2-2-2-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(333-3-3-3-3-3) \times (33-3-3) - 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444-4-4-4-4-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(555-5-5-5-5-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(666-6-6-6-6-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777-7-7-7-7-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(888-8-8-8-8-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(999-9-9-9-9-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

9953

$$\begin{aligned} &:= \frac{(1111-1-1-1-1-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(2222-2-2-2-2-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(3333-3-3-3-3-3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4-4-4-4-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(5555-5-5-5-5-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(6666-6-6-6-6-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7-7-7-7-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(8888-8-8-8-8-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(9999-9-9-9-9-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

99953

$$\begin{aligned} &:= \frac{(11111-1-1-1-1-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(22222-2-2-2-2-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(33333-3-3-3-3-3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4-4-4-4-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(55555-5-5-5-5-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(66666-6-6-6-6-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7-7-7-7-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(88888-8-8-8-8-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(99999-9-9-9-9-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

999953

$$\begin{aligned} &:= \frac{(111111-1-1-1-1-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(222222-2-2-2-2-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(333333-3-3-3-3-3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4-4-4-4-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(555555-5-5-5-5-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(666666-6-6-6-6-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7-7-7-7-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(888888-8-8-8-8-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(999999-9-9-9-9-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► 954

$$\begin{aligned} &:= \frac{(111-1-1-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(222-2-2-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(333-3-3-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(444-4-4-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(555-5-5-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(666-6-6-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(777-7-7-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(888-8-8-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(999-9-9-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

9954

$$\begin{aligned} &:= \frac{(1111-1-1-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(2222-2-2-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(3333-3-3-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(4444-4-4-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(5555-5-5-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(6666-6-6-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(7777-7-7-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(8888-8-8-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(9999-9-9-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

99954

$$\begin{aligned} &:= \frac{(11111-1-1-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(22222-2-2-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(33333-3-3-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(44444-4-4-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(55555-5-5-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(66666-6-6-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(77777-7-7-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(88888-8-8-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(99999-9-9-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{999954} &:= \frac{(111111 - 1 - 1 - 1 - 1 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(222222 - 2 - 2 - 2 - 2 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(333333 - 3 - 3 - 3 - 3 - 3) \times (33 - 3 - 3)}{3 \times 3} \\ &:= \frac{(444444 - 4 - 4 - 4 - 4 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(555555 - 5 - 5 - 5 - 5 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(666666 - 6 - 6 - 6 - 6 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777777 - 7 - 7 - 7 - 7 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(888888 - 8 - 8 - 8 - 8 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(999999 - 9 - 9 - 9 - 9 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

► **955** := $\frac{(111-1-1-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(222-2-2-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(333-3-3-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3}$
:= $\frac{(444-4-4-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(555-5-5-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(666-6-6-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6}$
:= $\frac{(777-7-7-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(888-8-8-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(999-9-9-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9}$

$$\begin{aligned} \text{9955} &:= \frac{(1111-1-1-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(2222-2-2-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(3333-3-3-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4-4-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(5555-5-5-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(6666-6-6-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7-7-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(8888-8-8-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(9999-9-9-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \text{99955} &:= \frac{(11111 - 1 - 1 - 1 - 1 - 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(22222 - 2 - 2 - 2 - 2 - 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(33333 - 3 - 3 - 3 - 3 - 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 4 - 4 - 4 - 4 - 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(55555 - 5 - 5 - 5 - 5 - 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(66666 - 6 - 6 - 6 - 6 - 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7 - 7 - 7 - 7 - 7) \times (77 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(88888 - 8 - 8 - 8 - 8 - 8) \times (88 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(99999 - 9 - 9 - 9 - 9 - 9) \times (99 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \text{999955} &:= \frac{(111111 - 1 - 1 - 1 - 1 - 1) \times (11 - 1 - 1) + 1 \times 1}{1 \times 1} = \frac{(222222 - 2 - 2 - 2 - 2 - 2) \times (22 - 2 - 2) + 2 \times 2}{2 \times 2} = \frac{(333333 - 3 - 3 - 3 - 3 - 3) \times (33 - 3 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 4 - 4 - 4 - 4 - 4) \times (44 - 4 - 4) + 4 \times 4}{4 \times 4} = \frac{(555555 - 5 - 5 - 5 - 5 - 5) \times (55 - 5 - 5) + 5 \times 5}{5 \times 5} = \frac{(666666 - 6 - 6 - 6 - 6 - 6) \times (66 - 6 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 7 - 7 - 7 - 7 - 7) \times (77 - 7 - 7) + 7 \times 7}{7 \times 7} = \frac{(888888 - 8 - 8 - 8 - 8 - 8) \times (88 - 8 - 8) + 8 \times 8}{8 \times 8} = \frac{(999999 - 9 - 9 - 9 - 9 - 9) \times (99 - 9 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► **956** := $\frac{1111 - 111 - 11 - 11 - 11 - 11}{1} = \frac{2222 - 222 - 22 - 22 - 22 - 22}{2} = \frac{3333 - 333 - 33 - 33 - 33 - 33}{3}$
:= $\frac{4444 - 444 - 44 - 44 - 44 - 44}{4} = \frac{5555 - 555 - 55 - 55 - 55 - 55}{5} = \frac{6666 - 666 - 66 - 66 - 66 - 66}{6}$
:= $\frac{7777 - 777 - 77 - 77 - 77 - 77}{7} = \frac{8888 - 888 - 88 - 88 - 88 - 88}{8} = \frac{9999 - 999 - 99 - 99 - 99 - 99}{9}$

$$\begin{aligned} \mathbf{9956} &:= \frac{11111 - 1111 - 11 - 11 - 11 - 11}{1} = \frac{22222 - 2222 - 22 - 22 - 22 - 22}{2} = \frac{33333 - 3333 - 33 - 33 - 33 - 33}{3} \\ &:= \frac{44444 - 4444 - 44 - 44 - 44 - 44}{4} = \frac{55555 - 5555 - 55 - 55 - 55 - 55}{5} = \frac{66666 - 6666 - 66 - 66 - 66 - 66}{6} \end{aligned}$$

$$:= \frac{77777 - 7777 - 77 - 77 - 77 - 77}{7} = \frac{88888 - 8888 - 88 - 88 - 88 - 88}{8} = \frac{99999 - 9999 - 99 - 99 - 99 - 99}{9}$$

$$\begin{aligned} \textcolor{red}{99956} &:= \frac{111111 - 11111 - 11 - 11 - 11 - 11}{1} = \frac{222222 - 22222 - 22 - 22 - 22 - 22}{2} = \frac{333333 - 33333 - 33 - 33 - 33 - 33}{3} \\ &:= \frac{444444 - 44444 - 44 - 44 - 44 - 44}{4} = \frac{555555 - 55555 - 55 - 55 - 55 - 55}{5} = \frac{666666 - 66666 - 66 - 66 - 66 - 66}{6} \\ &:= \frac{777777 - 77777 - 77 - 77 - 77 - 77}{7} = \frac{888888 - 88888 - 88 - 88 - 88 - 88}{8} = \frac{999999 - 99999 - 99 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999956} &:= \frac{1111111 - 111111 - 11 - 11 - 11 - 11}{1} = \frac{2222222 - 222222 - 22 - 22 - 22 - 22}{2} = \frac{3333333 - 333333 - 33 - 33 - 33 - 33}{3} \\ &:= \frac{4444444 - 444444 - 44 - 44 - 44 - 44}{4} = \frac{5555555 - 555555 - 55 - 55 - 55 - 55}{5} = \frac{6666666 - 666666 - 66 - 66 - 66 - 66}{6} \\ &:= \frac{7777777 - 777777 - 77 - 77 - 77 - 77}{7} = \frac{8888888 - 888888 - 88 - 88 - 88 - 88}{8} = \frac{9999999 - 999999 - 99 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{957} &:= \frac{(111 - 11 - 11 - 1 - 1) \times 11}{1 \times 1} = \frac{(222 - 22 - 22 - 2 - 2) \times 22}{2 \times 2} = \frac{(333 - 33 - 33 - 3 - 3) \times 33}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 4 - 4) \times 44}{4 \times 4} = \frac{(555 - 55 - 55 - 5 - 5) \times 55}{5 \times 5} = \frac{(666 - 66 - 66 - 6 - 6) \times 66}{6 \times 6} \\ &:= \frac{(777 - 77 - 77 - 7 - 7) \times 77}{7 \times 7} = \frac{(888 - 88 - 88 - 8 - 8) \times 88}{8 \times 8} = \frac{(999 - 99 - 99 - 9 - 9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9757} &:= \frac{(1111 - 111 - 111 - 1 - 1) \times 11}{1 \times 1} = \frac{(2222 - 222 - 222 - 2 - 2) \times 22}{2 \times 2} = \frac{(3333 - 333 - 333 - 3 - 3) \times 33}{3 \times 3} \\ &:= \frac{(4444 - 444 - 444 - 4 - 4) \times 44}{4 \times 4} = \frac{(5555 - 555 - 555 - 5 - 5) \times 55}{5 \times 5} = \frac{(6666 - 666 - 666 - 6 - 6) \times 66}{6 \times 6} \\ &:= \frac{(7777 - 777 - 777 - 7 - 7) \times 77}{7 \times 7} = \frac{(8888 - 888 - 888 - 8 - 8) \times 88}{8 \times 8} = \frac{(9999 - 999 - 999 - 9 - 9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{97757} &:= \frac{(11111 - 1111 - 1111 - 1 - 1) \times 11}{1 \times 1} = \frac{(22222 - 2222 - 2222 - 2 - 2) \times 22}{2 \times 2} = \frac{(33333 - 3333 - 3333 - 3 - 3) \times 33}{3 \times 3} \\ &:= \frac{(44444 - 4444 - 4444 - 4 - 4) \times 44}{4 \times 4} = \frac{(55555 - 5555 - 5555 - 5 - 5) \times 55}{5 \times 5} = \frac{(66666 - 6666 - 6666 - 6 - 6) \times 66}{6 \times 6} \\ &:= \frac{(77777 - 7777 - 7777 - 7 - 7) \times 77}{7 \times 7} = \frac{(88888 - 8888 - 8888 - 8 - 8) \times 88}{8 \times 8} = \frac{(99999 - 9999 - 9999 - 9 - 9) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{977757} &:= \frac{(111111 - 11111 - 11111 - 1 - 1) \times 11}{1 \times 1} = \frac{(222222 - 22222 - 22222 - 2 - 2) \times 22}{2 \times 2} = \frac{(333333 - 33333 - 33333 - 3 - 3) \times 33}{3 \times 3} \\ &:= \frac{(444444 - 44444 - 44444 - 4 - 4) \times 44}{4 \times 4} = \frac{(555555 - 55555 - 55555 - 5 - 5) \times 55}{5 \times 5} = \frac{(666666 - 66666 - 66666 - 6 - 6) \times 66}{6 \times 6} \\ &:= \frac{(777777 - 77777 - 77777 - 7 - 7) \times 77}{7 \times 7} = \frac{(888888 - 88888 - 88888 - 8 - 8) \times 88}{8 \times 8} = \frac{(999999 - 99999 - 99999 - 9 - 9) \times 99}{9 \times 9} \end{aligned}$$

$$\blacktriangleright \textcolor{red}{958} := \frac{(111 - 11 - 11 - 1 - 1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22 - 2 - 2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33 - 3 - 3) \times 33 + 3 \times 3}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444-44-44-4-4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(555-55-55-5-5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(666-66-66-6-6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-77-7-7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(888-88-88-8-8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(999-99-99-9-9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9758} &:= \frac{(1111-111-111-1-1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(2222-222-222-2-2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(3333-333-333-3-3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-444-444-4-4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(5555-555-555-5-5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(6666-666-666-6-6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-777-777-7-7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(8888-888-888-8-8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(9999-999-999-9-9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{97758} &:= \frac{(11111-1111-1111-1-1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(22222-2222-2222-2-2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(33333-3333-3333-3-3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4444-4444-4-4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(55555-5555-5555-5-5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(66666-6666-6666-6-6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7777-7777-7-7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(88888-8888-8888-8-8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(99999-9999-9999-9-9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{977758} &:= \frac{(111111-11111-11111-1-1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(222222-22222-22222-2-2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(333333-33333-33333-3-3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44444-44444-4-4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(555555-55555-55555-5-5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(666666-66666-66666-6-6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-77777-77777-7-7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(888888-88888-88888-8-8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(999999-99999-99999-9-9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} \textcolor{red}{959} &:= \frac{(111-11-1-1-1-1) \times (11-1) - 1 \times 1}{1 \times 1} = \frac{(222-22-2-2-2-2) \times (22-2) - 2 \times 2}{2 \times 2} = \frac{(333-33-3-3-3-3) \times (33-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444-44-4-4-4-4) \times (44-4) - 4 \times 4}{4 \times 4} = \frac{(555-55-5-5-5-5) \times (55-5) - 5 \times 5}{5 \times 5} = \frac{(666-66-6-6-6-6) \times (66-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777-77-7-7-7-7) \times (77-7) - 7 \times 7}{7 \times 7} = \frac{(888-88-8-8-8-8) \times (88-8) - 8 \times 8}{8 \times 8} = \frac{(999-99-9-9-9-9) \times (99-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9959} &:= \frac{(1111-111-1-1-1-1) \times (11-1) - 1 \times 1}{1 \times 1} = \frac{(2222-222-2-2-2-2) \times (22-2) - 2 \times 2}{2 \times 2} = \frac{(3333-333-3-3-3-3) \times (33-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-444-4-4-4-4) \times (44-4) - 4 \times 4}{4 \times 4} = \frac{(5555-555-5-5-5-5) \times (55-5) - 5 \times 5}{5 \times 5} = \frac{(6666-666-6-6-6-6) \times (66-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-777-7-7-7-7) \times (77-7) - 7 \times 7}{7 \times 7} = \frac{(8888-888-8-8-8-8) \times (88-8) - 8 \times 8}{8 \times 8} = \frac{(9999-999-9-9-9-9) \times (99-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99959} &:= \frac{(11111-1111-1-1-1-1) \times (11-1) - 1 \times 1}{1 \times 1} = \frac{(22222-2222-2-2-2-2) \times (22-2) - 2 \times 2}{2 \times 2} = \frac{(33333-3333-3-3-3-3) \times (33-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4444-4-4-4-4) \times (44-4) - 4 \times 4}{4 \times 4} = \frac{(55555-5555-5-5-5-5) \times (55-5) - 5 \times 5}{5 \times 5} = \frac{(66666-6666-6-6-6-6) \times (66-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7777-7-7-7-7) \times (77-7) - 7 \times 7}{7 \times 7} = \frac{(88888-8888-8-8-8-8) \times (88-8) - 8 \times 8}{8 \times 8} = \frac{(99999-9999-9-9-9-9) \times (99-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999959} &:= \frac{(111111-11111-1-1-1-1) \times (11-1) - 1 \times 1}{1 \times 1} = \frac{(222222-22222-2-2-2-2) \times (22-2) - 2 \times 2}{2 \times 2} = \frac{(333333-33333-3-3-3-3) \times (33-3) - 3 \times 3}{3 \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(444444 - 44444 - 4 - 4 - 4 - 4) \times (44 - 4) - 4 \times 4}{4 \times 4} = \frac{(555555 - 55555 - 5 - 5 - 5 - 5) \times (55 - 5) - 5 \times 5}{5 \times 5} = \frac{(666666 - 66666 - 6 - 6 - 6 - 6) \times (66 - 6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777 - 77777 - 7 - 7 - 7 - 7) \times (77 - 7) - 7 \times 7}{7 \times 7} = \frac{(888888 - 88888 - 8 - 8 - 8 - 8) \times (88 - 8) - 8 \times 8}{8 \times 8} = \frac{(999999 - 99999 - 9 - 9 - 9 - 9) \times (99 - 9) - 9 \times 9}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} \mathbf{960} &:= \frac{(111 - 11 - 1 - 1 - 1 - 1) \times (11 - 1)}{1 \times 1} = \frac{(222 - 22 - 2 - 2 - 2 - 2) \times (22 - 2)}{2 \times 2} = \frac{(333 - 33 - 3 - 3 - 3 - 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(444 - 44 - 4 - 4 - 4 - 4) \times (44 - 4)}{4 \times 4} = \frac{(555 - 55 - 5 - 5 - 5 - 5) \times (55 - 5)}{5 \times 5} = \frac{(666 - 66 - 6 - 6 - 6 - 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(777 - 77 - 7 - 7 - 7 - 7) \times (77 - 7)}{7 \times 7} = \frac{(888 - 88 - 8 - 8 - 8 - 8) \times (88 - 8)}{8 \times 8} = \frac{(999 - 99 - 9 - 9 - 9 - 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{9960} &:= \frac{(1111 - 111 - 1 - 1 - 1 - 1) \times (11 - 1)}{1 \times 1} = \frac{(2222 - 222 - 2 - 2 - 2 - 2) \times (22 - 2)}{2 \times 2} = \frac{(3333 - 333 - 3 - 3 - 3 - 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(4444 - 444 - 4 - 4 - 4 - 4) \times (44 - 4)}{4 \times 4} = \frac{(5555 - 555 - 5 - 5 - 5 - 5) \times (55 - 5)}{5 \times 5} = \frac{(6666 - 666 - 6 - 6 - 6 - 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(7777 - 777 - 7 - 7 - 7 - 7) \times (77 - 7)}{7 \times 7} = \frac{(8888 - 888 - 8 - 8 - 8 - 8) \times (88 - 8)}{8 \times 8} = \frac{(9999 - 999 - 9 - 9 - 9 - 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{99960} &:= \frac{(11111 - 1111 - 1 - 1 - 1 - 1) \times (11 - 1)}{1 \times 1} = \frac{(22222 - 2222 - 2 - 2 - 2 - 2) \times (22 - 2)}{2 \times 2} = \frac{(33333 - 3333 - 3 - 3 - 3 - 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(44444 - 4444 - 4 - 4 - 4 - 4) \times (44 - 4)}{4 \times 4} = \frac{(55555 - 5555 - 5 - 5 - 5 - 5) \times (55 - 5)}{5 \times 5} = \frac{(66666 - 6666 - 6 - 6 - 6 - 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(77777 - 7777 - 7 - 7 - 7 - 7) \times (77 - 7)}{7 \times 7} = \frac{(88888 - 8888 - 8 - 8 - 8 - 8) \times (88 - 8)}{8 \times 8} = \frac{(99999 - 9999 - 9 - 9 - 9 - 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{999960} &:= \frac{(111111 - 11111 - 1 - 1 - 1 - 1) \times (11 - 1)}{1 \times 1} = \frac{(222222 - 22222 - 2 - 2 - 2 - 2) \times (22 - 2)}{2 \times 2} = \frac{(333333 - 33333 - 3 - 3 - 3 - 3) \times (33 - 3)}{3 \times 3} \\ &:= \frac{(444444 - 44444 - 4 - 4 - 4 - 4) \times (44 - 4)}{4 \times 4} = \frac{(555555 - 55555 - 5 - 5 - 5 - 5) \times (55 - 5)}{5 \times 5} = \frac{(666666 - 66666 - 6 - 6 - 6 - 6) \times (66 - 6)}{6 \times 6} \\ &:= \frac{(777777 - 77777 - 7 - 7 - 7 - 7) \times (77 - 7)}{7 \times 7} = \frac{(888888 - 88888 - 8 - 8 - 8 - 8) \times (88 - 8)}{8 \times 8} = \frac{(999999 - 99999 - 9 - 9 - 9 - 9) \times (99 - 9)}{9 \times 9} \end{aligned}$$

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$$\begin{aligned} \mathbf{961} &:= \frac{(111 - 11 - 1 - 1 - 1 - 1) \times (11 - 1) + 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 2 - 2 - 2 - 2) \times (22 - 2) + 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 3 - 3 - 3 - 3) \times (33 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 4 - 4 - 4 - 4) \times (44 - 4) + 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 5 - 5 - 5 - 5) \times (55 - 5) + 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 6 - 6 - 6 - 6) \times (66 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 7 - 7 - 7 - 7) \times (77 - 7) + 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 8 - 8 - 8 - 8) \times (88 - 8) + 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 9 - 9 - 9 - 9) \times (99 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \mathbf{9961} &:= \frac{(1111 - 111 - 1 - 1 - 1 - 1) \times (11 - 1) + 1 \times 1}{1 \times 1} = \frac{(2222 - 222 - 2 - 2 - 2 - 2) \times (22 - 2) + 2 \times 2}{2 \times 2} = \frac{(3333 - 333 - 3 - 3 - 3 - 3) \times (33 - 3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 444 - 4 - 4 - 4 - 4) \times (44 - 4) + 4 \times 4}{4 \times 4} = \frac{(5555 - 555 - 5 - 5 - 5 - 5) \times (55 - 5) + 5 \times 5}{5 \times 5} = \frac{(6666 - 666 - 6 - 6 - 6 - 6) \times (66 - 6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 777 - 7 - 7 - 7 - 7) \times (77 - 7) + 7 \times 7}{7 \times 7} = \frac{(8888 - 888 - 8 - 8 - 8 - 8) \times (88 - 8) + 8 \times 8}{8 \times 8} = \frac{(9999 - 999 - 9 - 9 - 9 - 9) \times (99 - 9) + 9 \times 9}{9 \times 9} \end{aligned}$$

99961

$$\begin{aligned} &:= \frac{(11111-1111-1-1-1-1) \times (11-1) + 1 \times 1}{1 \times 1} = \frac{(22222-2222-2-2-2-2) \times (22-2) + 2 \times 2}{2 \times 2} = \frac{(33333-3333-3-3-3-3) \times (33-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4444-4-4-4-4) \times (44-4) + 4 \times 4}{4 \times 4} = \frac{(55555-5555-5-5-5-5) \times (55-5) + 5 \times 5}{5 \times 5} = \frac{(66666-6666-6-6-6-6) \times (66-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7777-7-7-7-7) \times (77-7) + 7 \times 7}{7 \times 7} = \frac{(88888-8888-8-8-8-8) \times (88-8) + 8 \times 8}{8 \times 8} = \frac{(99999-9999-9-9-9-9) \times (99-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

999961

$$\begin{aligned} &:= \frac{(111111-11111-1-1-1-1) \times (11-1) + 1 \times 1}{1 \times 1} = \frac{(222222-22222-2-2-2-2) \times (22-2) + 2 \times 2}{2 \times 2} = \frac{(333333-33333-3-3-3-3) \times (33-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-44444-4-4-4-4) \times (44-4) + 4 \times 4}{4 \times 4} = \frac{(555555-55555-5-5-5-5) \times (55-5) + 5 \times 5}{5 \times 5} = \frac{(666666-66666-6-6-6-6) \times (66-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-77777-7-7-7-7) \times (77-7) + 7 \times 7}{7 \times 7} = \frac{(888888-88888-8-8-8-8) \times (88-8) + 8 \times 8}{8 \times 8} = \frac{(999999-99999-9-9-9-9) \times (99-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► 962

$$\begin{aligned} &:= \frac{(111+111) \times (11+1+1)}{(1+1+1) \times 1} = \frac{(222+222) \times (22+2+2)}{(2+2+2) \times 2} = \frac{(333+333) \times (33+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(444+444) \times (44+4+4)}{(4+4+4) \times 4} = \frac{(555+555) \times (55+5+5)}{(5+5+5) \times 5} = \frac{(666+666) \times (66+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(777+777) \times (77+7+7)}{(7+7+7) \times 7} = \frac{(888+888) \times (88+8+8)}{(8+8+8) \times 8} = \frac{(999+999) \times (99+9+9)}{(9+9+9) \times 9} \end{aligned}$$

962962

$$\begin{aligned} &:= \frac{(111111+111111) \times (11+1+1)}{(1+1+1) \times 1} = \frac{(222222+222222) \times (22+2+2)}{(2+2+2) \times 2} = \frac{(333333+333333) \times (33+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(444444+444444) \times (44+4+4)}{(4+4+4) \times 4} = \frac{(555555+555555) \times (55+5+5)}{(5+5+5) \times 5} = \frac{(666666+666666) \times (66+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(777777+777777) \times (77+7+7)}{(7+7+7) \times 7} = \frac{(888888+888888) \times (88+8+8)}{(8+8+8) \times 8} = \frac{(999999+999999) \times (99+9+9)}{(9+9+9) \times 9} \end{aligned}$$

962962962

$$\begin{aligned} &:= \frac{(11111111+11111111) \times (11+1+1)}{(1+1+1) \times 1} = \frac{(22222222+22222222) \times (22+2+2)}{(2+2+2) \times 2} = \frac{(33333333+33333333) \times (33+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(44444444+44444444) \times (44+4+4)}{(4+4+4) \times 4} = \frac{(55555555+55555555) \times (55+5+5)}{(5+5+5) \times 5} = \frac{(66666666+66666666) \times (66+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(77777777+77777777) \times (77+7+7)}{(7+7+7) \times 7} = \frac{(88888888+88888888) \times (88+8+8)}{(8+8+8) \times 8} = \frac{(99999999+99999999) \times (99+9+9)}{(9+9+9) \times 9} \end{aligned}$$

962962962962

$$\begin{aligned} &:= \frac{(1111111111+1111111111) \times (11+1+1)}{(1+1+1) \times 1} = \frac{(2222222222+2222222222) \times (22+2+2)}{(2+2+2) \times 2} = \frac{(3333333333+3333333333) \times (33+3+3)}{(3+3+3) \times 3} \\ &:= \frac{(4444444444+4444444444) \times (44+4+4)}{(4+4+4) \times 4} = \frac{(5555555555+5555555555) \times (55+5+5)}{(5+5+5) \times 5} = \frac{(6666666666+6666666666) \times (66+6+6)}{(6+6+6) \times 6} \\ &:= \frac{(7777777777+7777777777) \times (77+7+7)}{(7+7+7) \times 7} = \frac{(8888888888+8888888888) \times (88+8+8)}{(8+8+8) \times 8} = \frac{(9999999999+9999999999) \times (99+9+9)}{(9+9+9) \times 9} \end{aligned}$$

► 963

$$\begin{aligned} &:= \frac{(111-1-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(222-2-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(333-3-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(444-4-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(555-5-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(666-6-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(777-7-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(888-8-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(999-9-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

9963

$$\begin{aligned} &:= \frac{(1111-1-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(2222-2-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(3333-3-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(4444-4-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(5555-5-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(6666-6-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(7777-7-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(8888-8-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(9999-9-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

99963

$$\begin{aligned} &:= \frac{(11111-1-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(22222-2-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(33333-3-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(44444-4-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(55555-5-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(66666-6-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(77777-7-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(88888-8-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(99999-9-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

999963

$$\begin{aligned} &:= \frac{(111111-1-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(222222-2-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(333333-3-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(444444-4-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(555555-5-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(666666-6-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(777777-7-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(888888-8-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(999999-9-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

► 964

$$\begin{aligned} &:= \frac{(111-1-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(222-2-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(333-3-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-4-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(555-5-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(666-6-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777-7-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(888-8-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(999-9-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

9964

$$\begin{aligned} &:= \frac{(1111-1-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(2222-2-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(3333-3-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(5555-5-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(6666-6-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(8888-8-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(9999-9-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

99964

$$\begin{aligned} &:= \frac{(11111-1-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(22222-2-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(33333-3-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(55555-5-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(66666-6-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(88888-8-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(99999-9-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

999964

$$\begin{aligned} &:= \frac{(111111-1-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(222222-2-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(333333-3-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(555555-5-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(666666-6-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(777777-7-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(888888-8-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(999999-9-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9}$$

►

965

$$:= \frac{1111-111-11-11-11-1-1}{1} = \frac{2222-222-22-22-22-2-2}{2} = \frac{3333-333-33-33-33-3-3}{3}$$

$$:= \frac{4444-444-44-44-44-4-4}{4} = \frac{5555-555-55-55-55-5-5}{5} = \frac{6666-666-66-66-66-6-6}{6}$$

$$:= \frac{7777-777-77-77-77-7-7}{7} = \frac{8888-888-88-88-88-8-8}{8} = \frac{9999-999-99-99-99-9-9}{9}$$

9965

$$:= \frac{11111-1111-11-11-11-1-1}{1} = \frac{22222-2222-22-22-22-2-2}{2} = \frac{33333-3333-33-33-33-3-3}{3}$$

$$:= \frac{44444-4444-44-44-44-4-4}{4} = \frac{55555-5555-55-55-55-5-5}{5} = \frac{66666-6666-66-66-66-6-6}{6}$$

$$:= \frac{77777-7777-77-77-77-7-7}{7} = \frac{88888-8888-88-88-88-8-8}{8} = \frac{99999-9999-99-99-99-9-9}{9}$$

99965

$$:= \frac{111111-11111-11-11-11-1-1}{1} = \frac{222222-22222-22-22-22-2-2}{2} = \frac{333333-33333-33-33-33-3-3}{3}$$

$$:= \frac{444444-44444-44-44-44-4-4}{4} = \frac{555555-55555-55-55-55-5-5}{5} = \frac{666666-66666-66-66-66-6-6}{6}$$

$$:= \frac{777777-77777-77-77-77-7-7}{7} = \frac{888888-88888-88-88-88-8-8}{8} = \frac{999999-99999-99-99-99-9-9}{9}$$

999965

$$:= \frac{1111111-111111-11-11-11-1-1}{1} = \frac{2222222-222222-22-22-22-2-2}{2} = \frac{3333333-333333-33-33-33-3-3}{3}$$

$$:= \frac{4444444-444444-44-44-44-4-4}{4} = \frac{5555555-555555-55-55-55-5-5}{5} = \frac{6666666-666666-66-66-66-6-6}{6}$$

$$:= \frac{7777777-777777-77-77-77-7-7}{7} = \frac{8888888-888888-88-88-88-8-8}{8} = \frac{9999999-999999-99-99-99-9-9}{9}$$

►

966

$$:= \frac{1111-111-11-11-11-1}{1} = \frac{2222-222-22-22-22-2}{2} = \frac{3333-333-33-33-33-3}{3}$$

$$:= \frac{4444-444-44-44-44-4}{4} = \frac{5555-555-55-55-55-5}{5} = \frac{6666-666-66-66-66-6}{6}$$

$$:= \frac{7777-777-77-77-77-7}{7} = \frac{8888-888-88-88-88-8}{8} = \frac{9999-999-99-99-99-9}{9}$$

9966

$$:= \frac{11111-1111-11-11-11-1}{1} = \frac{22222-2222-22-22-22-2}{2} = \frac{33333-3333-33-33-33-3}{3}$$

$$:= \frac{44444-4444-44-44-44-4}{4} = \frac{55555-5555-55-55-55-5}{5} = \frac{66666-6666-66-66-66-6}{6}$$

$$:= \frac{77777-7777-77-77-77-7}{7} = \frac{88888-8888-88-88-88-8}{8} = \frac{99999-9999-99-99-99-9}{9}$$

99966

$$:= \frac{111111-11111-11-11-11-1}{1} = \frac{222222-22222-22-22-22-2}{2} = \frac{333333-33333-33-33-33-3}{3}$$

$$\begin{aligned} &:= \frac{444444 - 44444 - 44 - 44 - 44 - 4}{4} = \frac{555555 - 55555 - 55 - 55 - 55 - 5}{5} = \frac{666666 - 66666 - 66 - 66 - 66 - 6}{6} \\ &:= \frac{777777 - 77777 - 77 - 77 - 77 - 7}{7} = \frac{888888 - 88888 - 88 - 88 - 88 - 8}{8} = \frac{999999 - 99999 - 99 - 99 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999966} &:= \frac{1111111 - 111111 - 11 - 11 - 11 - 1}{1} = \frac{2222222 - 222222 - 22 - 22 - 22 - 2}{2} = \frac{3333333 - 333333 - 33 - 33 - 33 - 3}{3} \\ &:= \frac{4444444 - 444444 - 44 - 44 - 44 - 4}{4} = \frac{5555555 - 555555 - 55 - 55 - 55 - 5}{5} = \frac{6666666 - 666666 - 66 - 66 - 66 - 6}{6} \\ &:= \frac{7777777 - 777777 - 77 - 77 - 77 - 7}{7} = \frac{8888888 - 888888 - 88 - 88 - 88 - 8}{8} = \frac{9999999 - 999999 - 99 - 99 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{967} &:= \frac{1111 - 111 - 11 - 11 - 11}{1} = \frac{2222 - 222 - 22 - 22 - 22}{2} = \frac{3333 - 333 - 33 - 33 - 33}{3} \\ &:= \frac{4444 - 444 - 44 - 44 - 44}{4} = \frac{5555 - 555 - 55 - 55 - 55}{5} = \frac{6666 - 666 - 66 - 66 - 66}{6} \\ &:= \frac{7777 - 777 - 77 - 77 - 77}{7} = \frac{8888 - 888 - 88 - 88 - 88}{8} = \frac{9999 - 999 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9967} &:= \frac{11111 - 1111 - 11 - 11 - 11}{1} = \frac{22222 - 2222 - 22 - 22 - 22}{2} = \frac{33333 - 3333 - 33 - 33 - 33}{3} \\ &:= \frac{44444 - 4444 - 44 - 44 - 44}{4} = \frac{55555 - 5555 - 55 - 55 - 55}{5} = \frac{66666 - 6666 - 66 - 66 - 66}{6} \\ &:= \frac{77777 - 7777 - 77 - 77 - 77}{7} = \frac{88888 - 8888 - 88 - 88 - 88}{8} = \frac{99999 - 9999 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99967} &:= \frac{111111 - 11111 - 11 - 11 - 11}{1} = \frac{222222 - 22222 - 22 - 22 - 22}{2} = \frac{333333 - 33333 - 33 - 33 - 33}{3} \\ &:= \frac{444444 - 44444 - 44 - 44 - 44}{4} = \frac{555555 - 55555 - 55 - 55 - 55}{5} = \frac{666666 - 66666 - 66 - 66 - 66}{6} \\ &:= \frac{777777 - 77777 - 77 - 77 - 77}{7} = \frac{888888 - 88888 - 88 - 88 - 88}{8} = \frac{999999 - 99999 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999967} &:= \frac{1111111 - 111111 - 11 - 11 - 11}{1} = \frac{2222222 - 222222 - 22 - 22 - 22}{2} = \frac{3333333 - 333333 - 33 - 33 - 33}{3} \\ &:= \frac{4444444 - 444444 - 44 - 44 - 44}{4} = \frac{5555555 - 555555 - 55 - 55 - 55}{5} = \frac{6666666 - 666666 - 66 - 66 - 66}{6} \\ &:= \frac{7777777 - 777777 - 77 - 77 - 77}{7} = \frac{8888888 - 888888 - 88 - 88 - 88}{8} = \frac{9999999 - 999999 - 99 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{968} &:= \frac{(111 - 11 - 11 - 1) \times 11}{1 \times 1} = \frac{(222 - 22 - 22 - 2) \times 22}{2 \times 2} = \frac{(333 - 33 - 33 - 3) \times 33}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 4) \times 44}{4 \times 4} = \frac{(555 - 55 - 55 - 5) \times 55}{5 \times 5} = \frac{(666 - 66 - 66 - 6) \times 66}{6 \times 6} \\ &:= \frac{(777 - 77 - 77 - 7) \times 77}{7 \times 7} = \frac{(888 - 88 - 88 - 8) \times 88}{8 \times 8} = \frac{(999 - 99 - 99 - 9) \times 99}{9 \times 9} \end{aligned}$$

9768

$$\begin{aligned} &:= \frac{(1111 - 111 - 111 - 1) \times 11}{1 \times 1} = \frac{(2222 - 222 - 222 - 2) \times 22}{2 \times 2} = \frac{(3333 - 333 - 333 - 3) \times 33}{3 \times 3} \\ &:= \frac{(4444 - 444 - 444 - 4) \times 44}{4 \times 4} = \frac{(5555 - 555 - 555 - 5) \times 55}{5 \times 5} = \frac{(6666 - 666 - 666 - 6) \times 66}{6 \times 6} \\ &:= \frac{(7777 - 777 - 777 - 7) \times 77}{7 \times 7} = \frac{(8888 - 888 - 888 - 8) \times 88}{8 \times 8} = \frac{(9999 - 999 - 999 - 9) \times 99}{9 \times 9} \end{aligned}$$

97768

$$\begin{aligned} &:= \frac{(11111 - 1111 - 1111 - 1) \times 11}{1 \times 1} = \frac{(22222 - 2222 - 2222 - 2) \times 22}{2 \times 2} = \frac{(33333 - 3333 - 3333 - 3) \times 33}{3 \times 3} \\ &:= \frac{(44444 - 4444 - 4444 - 4) \times 44}{4 \times 4} = \frac{(55555 - 5555 - 5555 - 5) \times 55}{5 \times 5} = \frac{(66666 - 6666 - 6666 - 6) \times 66}{6 \times 6} \\ &:= \frac{(77777 - 7777 - 7777 - 7) \times 77}{7 \times 7} = \frac{(88888 - 8888 - 8888 - 8) \times 88}{8 \times 8} = \frac{(99999 - 9999 - 9999 - 9) \times 99}{9 \times 9} \end{aligned}$$

977768

$$\begin{aligned} &:= \frac{(111111 - 11111 - 11111 - 1) \times 11}{1 \times 1} = \frac{(222222 - 22222 - 22222 - 2) \times 22}{2 \times 2} = \frac{(333333 - 33333 - 33333 - 3) \times 33}{3 \times 3} \\ &:= \frac{(444444 - 44444 - 44444 - 4) \times 44}{4 \times 4} = \frac{(555555 - 55555 - 55555 - 5) \times 55}{5 \times 5} = \frac{(666666 - 66666 - 66666 - 6) \times 66}{6 \times 6} \\ &:= \frac{(777777 - 77777 - 77777 - 7) \times 77}{7 \times 7} = \frac{(888888 - 88888 - 88888 - 8) \times 88}{8 \times 8} = \frac{(999999 - 99999 - 99999 - 9) \times 99}{9 \times 9} \end{aligned}$$

► 969

$$\begin{aligned} &:= \frac{(111 - 11 - 11 - 1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(222 - 22 - 22 - 2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(333 - 33 - 33 - 3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(444 - 44 - 44 - 4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(555 - 55 - 55 - 5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(666 - 66 - 66 - 6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(777 - 77 - 77 - 7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(888 - 88 - 88 - 8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(999 - 99 - 99 - 9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

9769

$$\begin{aligned} &:= \frac{(1111 - 111 - 111 - 1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(2222 - 222 - 222 - 2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(3333 - 333 - 333 - 3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444 - 444 - 444 - 4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(5555 - 555 - 555 - 5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(6666 - 666 - 666 - 6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777 - 777 - 777 - 7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(8888 - 888 - 888 - 8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(9999 - 999 - 999 - 9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

97769

$$\begin{aligned} &:= \frac{(11111 - 1111 - 1111 - 1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(22222 - 2222 - 2222 - 2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(33333 - 3333 - 3333 - 3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444 - 4444 - 4444 - 4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(55555 - 5555 - 5555 - 5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(66666 - 6666 - 6666 - 6) \times 66 + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777 - 7777 - 7777 - 7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(88888 - 8888 - 8888 - 8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(99999 - 9999 - 9999 - 9) \times 99 + 9 \times 9}{9 \times 9} \end{aligned}$$

977769

$$\begin{aligned} &:= \frac{(111111 - 11111 - 11111 - 1) \times 11 + 1 \times 1}{1 \times 1} = \frac{(222222 - 22222 - 22222 - 2) \times 22 + 2 \times 2}{2 \times 2} = \frac{(333333 - 33333 - 33333 - 3) \times 33 + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444 - 44444 - 44444 - 4) \times 44 + 4 \times 4}{4 \times 4} = \frac{(555555 - 55555 - 55555 - 5) \times 55 + 5 \times 5}{5 \times 5} = \frac{(666666 - 66666 - 66666 - 6) \times 66 + 6 \times 6}{6 \times 6} \end{aligned}$$

$$:= \frac{(777777 - 77777 - 77777 - 7) \times 77 + 7 \times 7}{7 \times 7} = \frac{(888888 - 88888 - 88888 - 8) \times 88 + 8 \times 8}{8 \times 8} = \frac{(999999 - 99999 - 99999 - 9) \times 99 + 9 \times 9}{9 \times 9}$$

► **970** := $\frac{(111 - 11 - 1 - 1 - 1) \times (111 - 1)}{11 \times 1} = \frac{(222 - 22 - 2 - 2 - 2) \times (222 - 2)}{22 \times 2} = \frac{(333 - 33 - 3 - 3 - 3) \times (333 - 3)}{33 \times 3}$

$$:= \frac{(444 - 44 - 4 - 4 - 4) \times (444 - 4)}{44 \times 4} = \frac{(555 - 55 - 5 - 5 - 5) \times (555 - 5)}{55 \times 5} = \frac{(666 - 66 - 6 - 6 - 6) \times (666 - 6)}{66 \times 6}$$
$$:= \frac{(777 - 77 - 7 - 7 - 7) \times (777 - 7)}{77 \times 7} = \frac{(888 - 88 - 8 - 8 - 8) \times (888 - 8)}{88 \times 8} = \frac{(999 - 99 - 9 - 9 - 9) \times (999 - 9)}{99 \times 9}$$

9970 := $\frac{(1111 - 111 - 1 - 1 - 1) \times (111 - 1)}{11 \times 1} = \frac{(2222 - 222 - 2 - 2 - 2) \times (222 - 2)}{22 \times 2} = \frac{(3333 - 333 - 3 - 3 - 3) \times (333 - 3)}{33 \times 3}$

$$:= \frac{(4444 - 444 - 4 - 4 - 4) \times (444 - 4)}{44 \times 4} = \frac{(5555 - 555 - 5 - 5 - 5) \times (555 - 5)}{55 \times 5} = \frac{(6666 - 666 - 6 - 6 - 6) \times (666 - 6)}{66 \times 6}$$
$$:= \frac{(7777 - 777 - 7 - 7 - 7) \times (777 - 7)}{77 \times 7} = \frac{(8888 - 888 - 8 - 8 - 8) \times (888 - 8)}{88 \times 8} = \frac{(9999 - 999 - 9 - 9 - 9) \times (999 - 9)}{99 \times 9}$$

99970 := $\frac{(11111 - 1111 - 1 - 1 - 1) \times (111 - 1)}{11 \times 1} = \frac{(22222 - 2222 - 2 - 2 - 2) \times (222 - 2)}{22 \times 2} = \frac{(33333 - 3333 - 3 - 3 - 3) \times (333 - 3)}{33 \times 3}$

$$:= \frac{(44444 - 4444 - 4 - 4 - 4) \times (444 - 4)}{44 \times 4} = \frac{(55555 - 5555 - 5 - 5 - 5) \times (555 - 5)}{55 \times 5} = \frac{(66666 - 6666 - 6 - 6 - 6) \times (666 - 6)}{66 \times 6}$$
$$:= \frac{(77777 - 7777 - 7 - 7 - 7) \times (777 - 7)}{77 \times 7} = \frac{(88888 - 8888 - 8 - 8 - 8) \times (888 - 8)}{88 \times 8} = \frac{(99999 - 9999 - 9 - 9 - 9) \times (999 - 9)}{99 \times 9}$$

999970 := $\frac{(111111 - 11111 - 1 - 1 - 1) \times (111 - 1)}{11 \times 1} = \frac{(222222 - 22222 - 2 - 2 - 2) \times (222 - 2)}{22 \times 2} = \frac{(333333 - 33333 - 3 - 3 - 3) \times (333 - 3)}{33 \times 3}$

$$:= \frac{(444444 - 44444 - 4 - 4 - 4) \times (444 - 4)}{44 \times 4} = \frac{(555555 - 55555 - 5 - 5 - 5) \times (555 - 5)}{55 \times 5} = \frac{(666666 - 66666 - 6 - 6 - 6) \times (666 - 6)}{66 \times 6}$$
$$:= \frac{(777777 - 77777 - 7 - 7 - 7) \times (777 - 7)}{77 \times 7} = \frac{(888888 - 88888 - 8 - 8 - 8) \times (888 - 8)}{88 \times 8} = \frac{(999999 - 99999 - 9 - 9 - 9) \times (999 - 9)}{99 \times 9}$$

► **971** := $\frac{(111 - 1 - 1 - 1) \times (11 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(222 - 2 - 2 - 2) \times (22 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(333 - 3 - 3 - 3) \times (33 - 3 - 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(444 - 4 - 4 - 4) \times (44 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(555 - 5 - 5 - 5) \times (55 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(666 - 6 - 6 - 6) \times (66 - 6 - 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(777 - 7 - 7 - 7) \times (77 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(888 - 8 - 8 - 8) \times (88 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(999 - 9 - 9 - 9) \times (99 - 9 - 9) - 9 \times 9}{9 \times 9}$$

9971 := $\frac{(1111 - 1 - 1 - 1) \times (11 - 1 - 1) - 1 \times 1}{1 \times 1} = \frac{(2222 - 2 - 2 - 2) \times (22 - 2 - 2) - 2 \times 2}{2 \times 2} = \frac{(3333 - 3 - 3 - 3) \times (33 - 3 - 3) - 3 \times 3}{3 \times 3}$

$$:= \frac{(4444 - 4 - 4 - 4) \times (44 - 4 - 4) - 4 \times 4}{4 \times 4} = \frac{(5555 - 5 - 5 - 5) \times (55 - 5 - 5) - 5 \times 5}{5 \times 5} = \frac{(6666 - 6 - 6 - 6) \times (66 - 6 - 6) - 6 \times 6}{6 \times 6}$$
$$:= \frac{(7777 - 7 - 7 - 7) \times (77 - 7 - 7) - 7 \times 7}{7 \times 7} = \frac{(8888 - 8 - 8 - 8) \times (88 - 8 - 8) - 8 \times 8}{8 \times 8} = \frac{(9999 - 9 - 9 - 9) \times (99 - 9 - 9) - 9 \times 9}{9 \times 9}$$

99971

$$\begin{aligned} &:= \frac{(11111-1-1-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(22222-2-2-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(33333-3-3-3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4-4-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(55555-5-5-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(66666-6-6-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7-7-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(88888-8-8-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(99999-9-9-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

999971

$$\begin{aligned} &:= \frac{(111111-1-1-1) \times (11-1-1) - 1 \times 1}{1 \times 1} = \frac{(222222-2-2-2) \times (22-2-2) - 2 \times 2}{2 \times 2} = \frac{(333333-3-3-3) \times (33-3-3) - 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4-4-4) \times (44-4-4) - 4 \times 4}{4 \times 4} = \frac{(555555-5-5-5) \times (55-5-5) - 5 \times 5}{5 \times 5} = \frac{(666666-6-6-6) \times (66-6-6) - 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7-7-7) \times (77-7-7) - 7 \times 7}{7 \times 7} = \frac{(888888-8-8-8) \times (88-8-8) - 8 \times 8}{8 \times 8} = \frac{(999999-9-9-9) \times (99-9-9) - 9 \times 9}{9 \times 9} \end{aligned}$$

► 972

$$\begin{aligned} &:= \frac{(111-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(222-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(333-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(444-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(555-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(666-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(777-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(888-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(999-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

9972

$$\begin{aligned} &:= \frac{(1111-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(2222-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(3333-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(4444-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(5555-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(6666-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(7777-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(8888-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(9999-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

99972

$$\begin{aligned} &:= \frac{(11111-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(22222-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(33333-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(44444-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(55555-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(66666-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(77777-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(88888-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(99999-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

999972

$$\begin{aligned} &:= \frac{(111111-1-1-1) \times (11-1-1)}{1 \times 1} = \frac{(222222-2-2-2) \times (22-2-2)}{2 \times 2} = \frac{(333333-3-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(444444-4-4-4) \times (44-4-4)}{4 \times 4} = \frac{(555555-5-5-5) \times (55-5-5)}{5 \times 5} = \frac{(666666-6-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(777777-7-7-7) \times (77-7-7)}{7 \times 7} = \frac{(888888-8-8-8) \times (88-8-8)}{8 \times 8} = \frac{(999999-9-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

► 973

$$\begin{aligned} &:= \frac{(111-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(222-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(333-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(555-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(666-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \end{aligned}$$

572

$$:= \frac{(777-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(888-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(999-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9}$$

$$\begin{aligned} \textbf{9973} &:= \frac{(1111-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(2222-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(3333-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(4444-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(5555-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(6666-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(7777-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(8888-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(9999-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{99973} &:= \frac{(11111-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(22222-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(33333-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44444-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(55555-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(66666-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77777-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(88888-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(99999-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textbf{999973} &:= \frac{(111111-1-1-1) \times (11-1-1) + 1 \times 1}{1 \times 1} = \frac{(222222-2-2-2) \times (22-2-2) + 2 \times 2}{2 \times 2} = \frac{(333333-3-3-3) \times (33-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(444444-4-4-4) \times (44-4-4) + 4 \times 4}{4 \times 4} = \frac{(555555-5-5-5) \times (55-5-5) + 5 \times 5}{5 \times 5} = \frac{(666666-6-6-6) \times (66-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(777777-7-7-7) \times (77-7-7) + 7 \times 7}{7 \times 7} = \frac{(888888-8-8-8) \times (88-8-8) + 8 \times 8}{8 \times 8} = \frac{(999999-9-9-9) \times (99-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textbf{974} &:= \frac{1111-111-11-11-1-1-1-1}{1} = \frac{2222-222-22-22-2-2-2-2}{2} = \frac{3333-333-33-33-3-3-3-3}{3} \\ &:= \frac{4444-444-44-44-4-4-4-4}{4} = \frac{5555-555-55-55-5-5-5-5}{5} = \frac{6666-666-66-66-6-6-6-6}{6} \\ &:= \frac{7777-777-77-77-7-7-7-7}{7} = \frac{8888-888-88-88-8-8-8-8}{8} = \frac{9999-999-99-99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textbf{9974} &:= \frac{11111-1111-11-11-1-1-1-1}{1} = \frac{22222-2222-22-22-2-2-2-2}{2} = \frac{33333-3333-33-33-3-3-3-3}{3} \\ &:= \frac{44444-4444-44-44-4-4-4-4}{4} = \frac{55555-5555-55-55-5-5-5-5}{5} = \frac{66666-6666-66-66-6-6-6-6}{6} \\ &:= \frac{77777-7777-77-77-7-7-7-7}{7} = \frac{88888-8888-88-88-8-8-8-8}{8} = \frac{99999-9999-99-99-9-9-9-9}{9} \end{aligned}$$

$$\begin{aligned} \textbf{99974} &:= \frac{111111-11111-11-11-1-1-1-1}{1} = \frac{222222-22222-22-22-2-2-2-2}{2} = \frac{333333-33333-33-33-3-3-3-3}{3} \\ &:= \frac{444444-44444-44-44-4-4-4-4}{4} = \frac{555555-55555-55-55-5-5-5-5}{5} = \frac{666666-66666-66-66-6-6-6-6}{6} \\ &:= \frac{777777-77777-77-77-7-7-7-7}{7} = \frac{888888-88888-88-88-8-8-8-8}{8} = \frac{999999-99999-99-99-9-9-9-9}{9} \end{aligned}$$

$$\textbf{999974} := \frac{1111111-111111-11-11-1-1-1-1}{1} = \frac{2222222-222222-22-22-2-2-2-2}{2} = \frac{3333333-333333-33-33-3-3-3-3}{3}$$

$$\begin{aligned} &:= \frac{4444444 - 444444 - 44 - 44 - 4 - 4 - 4 - 4}{4} = \frac{5555555 - 555555 - 55 - 55 - 5 - 5 - 5 - 5}{5} = \frac{6666666 - 666666 - 66 - 66 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 77 - 77 - 7 - 7 - 7 - 7}{7} = \frac{8888888 - 888888 - 88 - 88 - 8 - 8 - 8 - 8}{8} = \frac{9999999 - 999999 - 99 - 99 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

► **975** := $\frac{1111 - 111 - 11 - 11 - 1 - 1 - 1}{1} = \frac{2222 - 222 - 22 - 22 - 2 - 2 - 2}{2} = \frac{3333 - 333 - 33 - 33 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{4444 - 444 - 44 - 44 - 4 - 4 - 4}{4} = \frac{5555 - 555 - 55 - 55 - 5 - 5 - 5}{5} = \frac{6666 - 666 - 66 - 66 - 6 - 6 - 6}{6} \\ &:= \frac{7777 - 777 - 77 - 77 - 7 - 7 - 7}{7} = \frac{8888 - 888 - 88 - 88 - 8 - 8 - 8}{8} = \frac{9999 - 999 - 99 - 99 - 9 - 9 - 9}{9} \end{aligned}$$

9975 := $\frac{11111 - 1111 - 11 - 11 - 1 - 1 - 1}{1} = \frac{22222 - 2222 - 22 - 22 - 2 - 2 - 2}{2} = \frac{33333 - 3333 - 33 - 33 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{44444 - 4444 - 44 - 44 - 4 - 4 - 4}{4} = \frac{55555 - 5555 - 55 - 55 - 5 - 5 - 5}{5} = \frac{66666 - 6666 - 66 - 66 - 6 - 6 - 6}{6} \\ &:= \frac{77777 - 7777 - 77 - 77 - 7 - 7 - 7}{7} = \frac{88888 - 8888 - 88 - 88 - 8 - 8 - 8}{8} = \frac{99999 - 9999 - 99 - 99 - 9 - 9 - 9}{9} \end{aligned}$$

99975 := $\frac{111111 - 11111 - 11 - 11 - 1 - 1 - 1}{1} = \frac{222222 - 22222 - 22 - 22 - 2 - 2 - 2}{2} = \frac{333333 - 33333 - 33 - 33 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{444444 - 44444 - 44 - 44 - 4 - 4 - 4}{4} = \frac{555555 - 55555 - 55 - 55 - 5 - 5 - 5}{5} = \frac{666666 - 66666 - 66 - 66 - 6 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 77 - 77 - 7 - 7 - 7}{7} = \frac{888888 - 88888 - 88 - 88 - 8 - 8 - 8}{8} = \frac{999999 - 99999 - 99 - 99 - 9 - 9 - 9}{9} \end{aligned}$$

999975 := $\frac{1111111 - 111111 - 11 - 11 - 1 - 1 - 1}{1} = \frac{2222222 - 222222 - 22 - 22 - 2 - 2 - 2}{2} = \frac{3333333 - 333333 - 33 - 33 - 3 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{4444444 - 444444 - 44 - 44 - 4 - 4 - 4}{4} = \frac{5555555 - 555555 - 55 - 55 - 5 - 5 - 5}{5} = \frac{6666666 - 666666 - 66 - 66 - 6 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 77 - 77 - 7 - 7 - 7}{7} = \frac{8888888 - 888888 - 88 - 88 - 8 - 8 - 8}{8} = \frac{9999999 - 999999 - 99 - 99 - 9 - 9 - 9}{9} \end{aligned}$$

► **976** := $\frac{1111 - 111 - 11 - 11 - 1 - 1}{1} = \frac{2222 - 222 - 22 - 22 - 2 - 2}{2} = \frac{3333 - 333 - 33 - 33 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{4444 - 444 - 44 - 44 - 4 - 4}{4} = \frac{5555 - 555 - 55 - 55 - 5 - 5}{5} = \frac{6666 - 666 - 66 - 66 - 6 - 6}{6} \\ &:= \frac{7777 - 777 - 77 - 77 - 7 - 7}{7} = \frac{8888 - 888 - 88 - 88 - 8 - 8}{8} = \frac{9999 - 999 - 99 - 99 - 9 - 9}{9} \end{aligned}$$

9976 := $\frac{11111 - 1111 - 11 - 11 - 1 - 1}{1} = \frac{22222 - 2222 - 22 - 22 - 2 - 2}{2} = \frac{33333 - 3333 - 33 - 33 - 3 - 3}{3}$

$$\begin{aligned} &:= \frac{44444 - 4444 - 44 - 44 - 4 - 4}{4} = \frac{55555 - 5555 - 55 - 55 - 5 - 5}{5} = \frac{66666 - 6666 - 66 - 66 - 6 - 6}{6} \\ &:= \frac{77777 - 7777 - 77 - 77 - 7 - 7}{7} = \frac{88888 - 8888 - 88 - 88 - 8 - 8}{8} = \frac{99999 - 9999 - 99 - 99 - 9 - 9}{9} \end{aligned}$$

$$:= \frac{7777 - 777 - 77 - 77}{7} = \frac{8888 - 888 - 88 - 88}{8} = \frac{9999 - 999 - 99 - 99}{9}$$

$$\begin{aligned} \textcolor{red}{9978} &:= \frac{11111 - 1111 - 11 - 11}{1} = \frac{22222 - 2222 - 22 - 22}{2} = \frac{33333 - 3333 - 33 - 33}{3} \\ &:= \frac{44444 - 4444 - 44 - 44}{4} = \frac{55555 - 5555 - 55 - 55}{5} = \frac{66666 - 6666 - 66 - 66}{6} \\ &:= \frac{77777 - 7777 - 77 - 77}{7} = \frac{88888 - 8888 - 88 - 88}{8} = \frac{99999 - 9999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99978} &:= \frac{111111 - 11111 - 11 - 11}{1} = \frac{222222 - 22222 - 22 - 22}{2} = \frac{333333 - 33333 - 33 - 33}{3} \\ &:= \frac{444444 - 44444 - 44 - 44}{4} = \frac{555555 - 55555 - 55 - 55}{5} = \frac{666666 - 66666 - 66 - 66}{6} \\ &:= \frac{777777 - 77777 - 77 - 77}{7} = \frac{888888 - 88888 - 88 - 88}{8} = \frac{999999 - 99999 - 99 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999978} &:= \frac{1111111 - 111111 - 11 - 11}{1} = \frac{2222222 - 222222 - 22 - 22}{2} = \frac{3333333 - 333333 - 33 - 33}{3} \\ &:= \frac{4444444 - 444444 - 44 - 44}{4} = \frac{5555555 - 555555 - 55 - 55}{5} = \frac{6666666 - 666666 - 66 - 66}{6} \\ &:= \frac{7777777 - 777777 - 77 - 77}{7} = \frac{8888888 - 888888 - 88 - 88}{8} = \frac{9999999 - 999999 - 99 - 99}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{979} &:= \frac{(111 - 11 - 11) \times 11}{1 \times 1} = \frac{(222 - 22 - 22) \times 22}{2 \times 2} = \frac{(333 - 33 - 33) \times 33}{3 \times 3} \\ &:= \frac{(444 - 44 - 44) \times 44}{4 \times 4} = \frac{(555 - 55 - 55) \times 55}{5 \times 5} = \frac{(666 - 66 - 66) \times 66}{6 \times 6} \\ &:= \frac{(777 - 77 - 77) \times 77}{7 \times 7} = \frac{(888 - 88 - 88) \times 88}{8 \times 8} = \frac{(999 - 99 - 99) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9779} &:= \frac{(1111 - 111 - 111) \times 11}{1 \times 1} = \frac{(2222 - 222 - 222) \times 22}{2 \times 2} = \frac{(3333 - 333 - 333) \times 33}{3 \times 3} \\ &:= \frac{(4444 - 444 - 444) \times 44}{4 \times 4} = \frac{(5555 - 555 - 555) \times 55}{5 \times 5} = \frac{(6666 - 666 - 666) \times 66}{6 \times 6} \\ &:= \frac{(7777 - 777 - 777) \times 77}{7 \times 7} = \frac{(8888 - 888 - 888) \times 88}{8 \times 8} = \frac{(9999 - 999 - 999) \times 99}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{97779} &:= \frac{(11111 - 1111 - 1111) \times 11}{1 \times 1} = \frac{(22222 - 2222 - 2222) \times 22}{2 \times 2} = \frac{(33333 - 3333 - 3333) \times 33}{3 \times 3} \\ &:= \frac{(44444 - 4444 - 4444) \times 44}{4 \times 4} = \frac{(55555 - 5555 - 5555) \times 55}{5 \times 5} = \frac{(66666 - 6666 - 6666) \times 66}{6 \times 6} \\ &:= \frac{(77777 - 7777 - 7777) \times 77}{7 \times 7} = \frac{(88888 - 8888 - 8888) \times 88}{8 \times 8} = \frac{(99999 - 9999 - 9999) \times 99}{9 \times 9} \end{aligned}$$

$$\textcolor{red}{977779} := \frac{(111111 - 11111 - 11111) \times 11}{1 \times 1} = \frac{(222222 - 22222 - 22222) \times 22}{2 \times 2} = \frac{(333333 - 33333 - 33333) \times 33}{3 \times 3}$$

$$\begin{aligned} &:= \frac{(444444 - 44444 - 44444) \times 44}{4 \times 4} = \frac{(555555 - 55555 - 55555) \times 55}{5 \times 5} = \frac{(666666 - 66666 - 66666) \times 66}{6 \times 6} \\ &:= \frac{(777777 - 77777 - 77777) \times 77}{7 \times 7} = \frac{(888888 - 88888 - 88888) \times 88}{8 \times 8} = \frac{(999999 - 99999 - 99999) \times 99}{9 \times 9} \end{aligned}$$

► **980** := $\frac{1111 - 111 - 11 - 11 + 1 + 1}{1} = \frac{2222 - 222 - 22 - 22 + 2 + 2}{2} = \frac{3333 - 333 - 33 - 33 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{4444 - 444 - 44 - 44 + 4 + 4}{4} = \frac{5555 - 555 - 55 - 55 + 5 + 5}{5} = \frac{6666 - 666 - 66 - 66 + 6 + 6}{6} \\ &:= \frac{7777 - 777 - 77 - 77 + 7 + 7}{7} = \frac{8888 - 888 - 88 - 88 + 8 + 8}{8} = \frac{9999 - 999 - 99 - 99 + 9 + 9}{9} \end{aligned}$$

9980 := $\frac{11111 - 1111 - 11 - 11 + 1 + 1}{1} = \frac{22222 - 2222 - 22 - 22 + 2 + 2}{2} = \frac{33333 - 3333 - 33 - 33 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{44444 - 4444 - 44 - 44 + 4 + 4}{4} = \frac{55555 - 5555 - 55 - 55 + 5 + 5}{5} = \frac{66666 - 6666 - 66 - 66 + 6 + 6}{6} \\ &:= \frac{77777 - 7777 - 77 - 77 + 7 + 7}{7} = \frac{88888 - 8888 - 88 - 88 + 8 + 8}{8} = \frac{99999 - 9999 - 99 - 99 + 9 + 9}{9} \end{aligned}$$

99980 := $\frac{111111 - 11111 - 11 - 11 + 1 + 1}{1} = \frac{222222 - 22222 - 22 - 22 + 2 + 2}{2} = \frac{333333 - 33333 - 33 - 33 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{444444 - 44444 - 44 - 44 + 4 + 4}{4} = \frac{555555 - 55555 - 55 - 55 + 5 + 5}{5} = \frac{666666 - 66666 - 66 - 66 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 77 - 77 + 7 + 7}{7} = \frac{888888 - 88888 - 88 - 88 + 8 + 8}{8} = \frac{999999 - 99999 - 99 - 99 + 9 + 9}{9} \end{aligned}$$

999980 := $\frac{1111111 - 111111 - 11 - 11 + 1 + 1}{1} = \frac{2222222 - 222222 - 22 - 22 + 2 + 2}{2} = \frac{3333333 - 333333 - 33 - 33 + 3 + 3}{3}$

$$\begin{aligned} &:= \frac{4444444 - 444444 - 44 - 44 + 4 + 4}{4} = \frac{5555555 - 555555 - 55 - 55 + 5 + 5}{5} = \frac{6666666 - 666666 - 66 - 66 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 77 - 77 + 7 + 7}{7} = \frac{8888888 - 888888 - 88 - 88 + 8 + 8}{8} = \frac{9999999 - 999999 - 99 - 99 + 9 + 9}{9} \end{aligned}$$

► **981** := $\frac{(111 - 1 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(222 - 2 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(333 - 3 - 3) \times (33 - 3 - 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(444 - 4 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(555 - 5 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(666 - 6 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(777 - 7 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(888 - 8 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(999 - 9 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

9981 := $\frac{(1111 - 1 - 1) \times (11 - 1 - 1)}{1 \times 1} = \frac{(2222 - 2 - 2) \times (22 - 2 - 2)}{2 \times 2} = \frac{(3333 - 3 - 3) \times (33 - 3 - 3)}{3 \times 3}$

$$\begin{aligned} &:= \frac{(4444 - 4 - 4) \times (44 - 4 - 4)}{4 \times 4} = \frac{(5555 - 5 - 5) \times (55 - 5 - 5)}{5 \times 5} = \frac{(6666 - 6 - 6) \times (66 - 6 - 6)}{6 \times 6} \\ &:= \frac{(7777 - 7 - 7) \times (77 - 7 - 7)}{7 \times 7} = \frac{(8888 - 8 - 8) \times (88 - 8 - 8)}{8 \times 8} = \frac{(9999 - 9 - 9) \times (99 - 9 - 9)}{9 \times 9} \end{aligned}$$

99981

$$\begin{aligned} &:= \frac{(11111-1-1) \times (11-1-1)}{1 \times 1} = \frac{(22222-2-2) \times (22-2-2)}{2 \times 2} = \frac{(33333-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(44444-4-4) \times (44-4-4)}{4 \times 4} = \frac{(55555-5-5) \times (55-5-5)}{5 \times 5} = \frac{(66666-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (77-7-7)}{7 \times 7} = \frac{(88888-8-8) \times (88-8-8)}{8 \times 8} = \frac{(99999-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

999981

$$\begin{aligned} &:= \frac{(111111-1-1) \times (11-1-1)}{1 \times 1} = \frac{(222222-2-2) \times (22-2-2)}{2 \times 2} = \frac{(333333-3-3) \times (33-3-3)}{3 \times 3} \\ &:= \frac{(444444-4-4) \times (44-4-4)}{4 \times 4} = \frac{(555555-5-5) \times (55-5-5)}{5 \times 5} = \frac{(666666-6-6) \times (66-6-6)}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (77-7-7)}{7 \times 7} = \frac{(888888-8-8) \times (88-8-8)}{8 \times 8} = \frac{(999999-9-9) \times (99-9-9)}{9 \times 9} \end{aligned}$$

► 982

$$\begin{aligned} &:= \frac{(11-1-1) \times (111-1-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2) \times (222-2-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3) \times (333-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4) \times (444-4-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5) \times (555-5-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6) \times (666-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7) \times (777-7-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8) \times (888-8-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9) \times (999-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

9982

$$\begin{aligned} &:= \frac{(11-1-1) \times (1111-1-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2) \times (2222-2-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3) \times (3333-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4) \times (4444-4-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5) \times (5555-5-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6) \times (6666-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7) \times (7777-7-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8) \times (8888-8-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9) \times (9999-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

99982

$$\begin{aligned} &:= \frac{(11-1-1) \times (11111-1-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2) \times (22222-2-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3) \times (33333-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4) \times (44444-4-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5) \times (55555-5-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6) \times (66666-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7) \times (77777-7-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8) \times (88888-8-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9) \times (99999-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

999982

$$\begin{aligned} &:= \frac{(11-1-1) \times (111111-1-1) + 1 \times 1}{1 \times 1} = \frac{(22-2-2) \times (222222-2-2) + 2 \times 2}{2 \times 2} = \frac{(33-3-3) \times (333333-3-3) + 3 \times 3}{3 \times 3} \\ &:= \frac{(44-4-4) \times (444444-4-4) + 4 \times 4}{4 \times 4} = \frac{(55-5-5) \times (555555-5-5) + 5 \times 5}{5 \times 5} = \frac{(66-6-6) \times (666666-6-6) + 6 \times 6}{6 \times 6} \\ &:= \frac{(77-7-7) \times (777777-7-7) + 7 \times 7}{7 \times 7} = \frac{(88-8-8) \times (888888-8-8) + 8 \times 8}{8 \times 8} = \frac{(99-9-9) \times (999999-9-9) + 9 \times 9}{9 \times 9} \end{aligned}$$

► 983

$$\begin{aligned} &:= \frac{(111-1-1) \times (11-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(222-2-2) \times (22-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(333-3-3) \times (33-3-3) + 3 \times (3+3)}{3 \times 3} \end{aligned}$$

$$\begin{aligned} &:= \frac{(444-4-4) \times (44-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(555-5-5) \times (55-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(666-6-6) \times (66-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777-7-7) \times (77-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(888-8-8) \times (88-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(999-9-9) \times (99-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9983} &:= \frac{(1111-1-1) \times (11-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(2222-2-2) \times (22-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(3333-3-3) \times (33-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(4444-4-4) \times (44-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(5555-5-5) \times (55-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(6666-6-6) \times (66-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(7777-7-7) \times (77-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(8888-8-8) \times (88-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(9999-9-9) \times (99-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99983} &:= \frac{(11111-1-1) \times (11-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(22222-2-2) \times (22-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(33333-3-3) \times (33-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(44444-4-4) \times (44-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(55555-5-5) \times (55-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(66666-6-6) \times (66-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(77777-7-7) \times (77-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(88888-8-8) \times (88-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(99999-9-9) \times (99-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999983} &:= \frac{(111111-1-1) \times (11-1-1) + 1 \times (1+1)}{1 \times 1} = \frac{(222222-2-2) \times (22-2-2) + 2 \times (2+2)}{2 \times 2} = \frac{(333333-3-3) \times (33-3-3) + 3 \times (3+3)}{3 \times 3} \\ &:= \frac{(444444-4-4) \times (44-4-4) + 4 \times (4+4)}{4 \times 4} = \frac{(555555-5-5) \times (55-5-5) + 5 \times (5+5)}{5 \times 5} = \frac{(666666-6-6) \times (66-6-6) + 6 \times (6+6)}{6 \times 6} \\ &:= \frac{(777777-7-7) \times (77-7-7) + 7 \times (7+7)}{7 \times 7} = \frac{(888888-8-8) \times (88-8-8) + 8 \times (8+8)}{8 \times 8} = \frac{(999999-9-9) \times (99-9-9) + 9 \times (9+9)}{9 \times 9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{984} &:= \frac{(111+11+1) \times (11-1-1-1)}{1 \times 1} = \frac{(222+22+2) \times (22-2-2-2)}{2 \times 2} = \frac{(333+33+3) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(444+44+4) \times (44-4-4-4)}{4 \times 4} = \frac{(555+55+5) \times (55-5-5-5)}{5 \times 5} = \frac{(666+66+6) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(777+77+7) \times (77-7-7-7)}{7 \times 7} = \frac{(888+88+8) \times (88-8-8-8)}{8 \times 8} = \frac{(999+99+9) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{8984} &:= \frac{(1111+11+1) \times (11-1-1-1)}{1 \times 1} = \frac{(2222+22+2) \times (22-2-2-2)}{2 \times 2} = \frac{(3333+33+3) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(4444+44+4) \times (44-4-4-4)}{4 \times 4} = \frac{(5555+55+5) \times (55-5-5-5)}{5 \times 5} = \frac{(6666+66+6) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(7777+77+7) \times (77-7-7-7)}{7 \times 7} = \frac{(8888+88+8) \times (88-8-8-8)}{8 \times 8} = \frac{(9999+99+9) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{88984} &:= \frac{(11111+11+1) \times (11-1-1-1)}{1 \times 1} = \frac{(22222+22+2) \times (22-2-2-2)}{2 \times 2} = \frac{(33333+33+3) \times (33-3-3-3)}{3 \times 3} \\ &:= \frac{(44444+44+4) \times (44-4-4-4)}{4 \times 4} = \frac{(55555+55+5) \times (55-5-5-5)}{5 \times 5} = \frac{(66666+66+6) \times (66-6-6-6)}{6 \times 6} \\ &:= \frac{(77777+77+7) \times (77-7-7-7)}{7 \times 7} = \frac{(88888+88+8) \times (88-8-8-8)}{8 \times 8} = \frac{(99999+99+9) \times (99-9-9-9)}{9 \times 9} \end{aligned}$$

888984

$$:= \frac{(111111 + 11 + 1) \times (11 - 1 - 1 - 1)}{1 \times 1} = \frac{(222222 + 22 + 2) \times (22 - 2 - 2 - 2)}{2 \times 2} = \frac{(333333 + 33 + 3) \times (33 - 3 - 3 - 3)}{3 \times 3}$$

$$:= \frac{(444444 + 44 + 4) \times (44 - 4 - 4 - 4)}{4 \times 4} = \frac{(555555 + 55 + 5) \times (55 - 5 - 5 - 5)}{5 \times 5} = \frac{(666666 + 66 + 6) \times (66 - 6 - 6 - 6)}{6 \times 6}$$

$$:= \frac{(777777 + 77 + 7) \times (77 - 7 - 7 - 7)}{7 \times 7} = \frac{(888888 + 88 + 8) \times (88 - 8 - 8 - 8)}{8 \times 8} = \frac{(999999 + 99 + 9) \times (99 - 9 - 9 - 9)}{9 \times 9}$$

► 985

$$:= \frac{1111 - 111 - 11 - 1 - 1 - 1 - 1}{1} = \frac{2222 - 222 - 22 - 2 - 2 - 2 - 2}{2} = \frac{3333 - 333 - 33 - 3 - 3 - 3 - 3}{3}$$

$$:= \frac{4444 - 444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{5555 - 555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{6666 - 666 - 66 - 6 - 6 - 6 - 6}{6}$$

$$:= \frac{7777 - 777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{8888 - 888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{9999 - 999 - 99 - 9 - 9 - 9 - 9}{9}$$

9985

$$:= \frac{11111 - 1111 - 11 - 1 - 1 - 1 - 1}{1} = \frac{22222 - 2222 - 22 - 2 - 2 - 2 - 2}{2} = \frac{33333 - 3333 - 33 - 3 - 3 - 3 - 3}{3}$$

$$:= \frac{44444 - 4444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{55555 - 5555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{66666 - 6666 - 66 - 6 - 6 - 6 - 6}{6}$$

$$:= \frac{77777 - 7777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{88888 - 8888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{99999 - 9999 - 99 - 9 - 9 - 9 - 9}{9}$$

99985

$$:= \frac{111111 - 11111 - 11 - 1 - 1 - 1 - 1}{1} = \frac{222222 - 22222 - 22 - 2 - 2 - 2 - 2}{2} = \frac{333333 - 33333 - 33 - 3 - 3 - 3 - 3}{3}$$

$$:= \frac{444444 - 44444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{555555 - 55555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{666666 - 66666 - 66 - 6 - 6 - 6 - 6}{6}$$

$$:= \frac{777777 - 77777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{888888 - 88888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{999999 - 99999 - 99 - 9 - 9 - 9 - 9}{9}$$

999985

$$:= \frac{1111111 - 111111 - 11 - 1 - 1 - 1 - 1}{1} = \frac{2222222 - 222222 - 22 - 2 - 2 - 2 - 2}{2} = \frac{3333333 - 333333 - 33 - 3 - 3 - 3 - 3}{3}$$

$$:= \frac{4444444 - 444444 - 44 - 4 - 4 - 4 - 4}{4} = \frac{5555555 - 555555 - 55 - 5 - 5 - 5 - 5}{5} = \frac{6666666 - 666666 - 66 - 6 - 6 - 6 - 6}{6}$$

$$:= \frac{7777777 - 777777 - 77 - 7 - 7 - 7 - 7}{7} = \frac{8888888 - 888888 - 88 - 8 - 8 - 8 - 8}{8} = \frac{9999999 - 999999 - 99 - 9 - 9 - 9 - 9}{9}$$

► 986

$$:= \frac{1111 - 111 - 11 - 1 - 1 - 1}{1} = \frac{2222 - 222 - 22 - 2 - 2 - 2}{2} = \frac{3333 - 333 - 33 - 3 - 3 - 3}{3}$$

$$:= \frac{4444 - 444 - 44 - 4 - 4 - 4}{4} = \frac{5555 - 555 - 55 - 5 - 5 - 5}{5} = \frac{6666 - 666 - 66 - 6 - 6 - 6}{6}$$

$$:= \frac{7777 - 777 - 77 - 7 - 7 - 7}{7} = \frac{8888 - 888 - 88 - 8 - 8 - 8}{8} = \frac{9999 - 999 - 99 - 9 - 9 - 9}{9}$$

9986

$$:= \frac{11111 - 1111 - 11 - 1 - 1 - 1}{1} = \frac{22222 - 2222 - 22 - 2 - 2 - 2}{2} = \frac{33333 - 3333 - 33 - 3 - 3 - 3}{3}$$

$$:= \frac{44444 - 4444 - 44 - 4 - 4 - 4}{4} = \frac{55555 - 5555 - 55 - 5 - 5 - 5}{5} = \frac{66666 - 6666 - 66 - 6 - 6 - 6}{6}$$

$$:= \frac{77777-7777-77-7-7-7}{7} = \frac{88888-8888-88-8-8-8}{8} = \frac{99999-9999-99-9-9-9}{9}$$

99986 := $\frac{111111-11111-11-1-1-1}{1} = \frac{222222-22222-22-2-2-2}{2} = \frac{333333-33333-33-3-3-3}{3}$

$$:= \frac{444444-44444-44-4-4-4}{4} = \frac{555555-55555-55-5-5-5}{5} = \frac{666666-66666-66-6-6-6}{6}$$
$$:= \frac{777777-77777-77-7-7-7}{7} = \frac{888888-88888-88-8-8-8}{8} = \frac{999999-99999-99-9-9-9}{9}$$

999986 := $\frac{1111111-111111-11-1-1-1}{1} = \frac{2222222-222222-22-2-2-2}{2} = \frac{3333333-333333-33-3-3-3}{3}$

$$:= \frac{4444444-444444-44-4-4-4}{4} = \frac{5555555-555555-55-5-5-5}{5} = \frac{6666666-666666-66-6-6-6}{6}$$
$$:= \frac{7777777-777777-77-7-7-7}{7} = \frac{8888888-888888-88-8-8-8}{8} = \frac{9999999-999999-99-9-9-9}{9}$$

► **987** := $\frac{1111-111-11-1-1}{1} = \frac{2222-222-22-2-2}{2} = \frac{3333-333-33-3-3}{3}$

$$:= \frac{4444-444-44-4-4}{4} = \frac{5555-555-55-5-5}{5} = \frac{6666-666-66-6-6}{6}$$
$$:= \frac{7777-777-77-7-7}{7} = \frac{8888-888-88-8-8}{8} = \frac{9999-999-99-9-9}{9}$$

9987 := $\frac{11111-1111-11-1-1}{1} = \frac{22222-2222-22-2-2}{2} = \frac{33333-3333-33-3-3}{3}$

$$:= \frac{44444-4444-44-4-4}{4} = \frac{55555-5555-55-5-5}{5} = \frac{66666-6666-66-6-6}{6}$$
$$:= \frac{77777-7777-77-7-7}{7} = \frac{88888-8888-88-8-8}{8} = \frac{99999-9999-99-9-9}{9}$$

99987 := $\frac{111111-11111-11-1-1}{1} = \frac{222222-22222-22-2-2}{2} = \frac{333333-33333-33-3-3}{3}$

$$:= \frac{444444-44444-44-4-4}{4} = \frac{555555-55555-55-5-5}{5} = \frac{666666-66666-66-6-6}{6}$$
$$:= \frac{777777-77777-77-7-7}{7} = \frac{888888-88888-88-8-8}{8} = \frac{999999-99999-99-9-9}{9}$$

999987 := $\frac{1111111-111111-11-1-1}{1} = \frac{2222222-222222-22-2-2}{2} = \frac{3333333-333333-33-3-3}{3}$

$$:= \frac{4444444-444444-44-4-4}{4} = \frac{5555555-555555-55-5-5}{5} = \frac{6666666-666666-66-6-6}{6}$$
$$:= \frac{7777777-777777-77-7-7}{7} = \frac{8888888-888888-88-8-8}{8} = \frac{9999999-999999-99-9-9}{9}$$

► **988** := $\frac{1111-111-11-1}{1} = \frac{2222-222-22-2}{2} = \frac{3333-333-33-3}{3}$

$$\begin{aligned} &:= \frac{4444 - 444 - 44 - 4}{4} = \frac{5555 - 555 - 55 - 5}{5} = \frac{6666 - 666 - 66 - 6}{6} \\ &:= \frac{7777 - 777 - 77 - 7}{7} = \frac{8888 - 888 - 88 - 8}{8} = \frac{9999 - 999 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9988} &:= \frac{11111 - 1111 - 11 - 1}{1} = \frac{22222 - 2222 - 22 - 2}{2} = \frac{33333 - 3333 - 33 - 3}{3} \\ &:= \frac{44444 - 4444 - 44 - 4}{4} = \frac{55555 - 5555 - 55 - 5}{5} = \frac{66666 - 6666 - 66 - 6}{6} \\ &:= \frac{77777 - 7777 - 77 - 7}{7} = \frac{88888 - 8888 - 88 - 8}{8} = \frac{99999 - 9999 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99988} &:= \frac{111111 - 11111 - 11 - 1}{1} = \frac{222222 - 22222 - 22 - 2}{2} = \frac{333333 - 33333 - 33 - 3}{3} \\ &:= \frac{444444 - 44444 - 44 - 4}{4} = \frac{555555 - 55555 - 55 - 5}{5} = \frac{666666 - 66666 - 66 - 6}{6} \\ &:= \frac{777777 - 77777 - 77 - 7}{7} = \frac{888888 - 88888 - 88 - 8}{8} = \frac{999999 - 99999 - 99 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999988} &:= \frac{1111111 - 111111 - 11 - 1}{1} = \frac{2222222 - 222222 - 22 - 2}{2} = \frac{3333333 - 333333 - 33 - 3}{3} \\ &:= \frac{4444444 - 444444 - 44 - 4}{4} = \frac{5555555 - 555555 - 55 - 5}{5} = \frac{6666666 - 666666 - 66 - 6}{6} \\ &:= \frac{7777777 - 777777 - 77 - 7}{7} = \frac{8888888 - 888888 - 88 - 8}{8} = \frac{9999999 - 999999 - 99 - 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{989} &:= \frac{1111 - 111 - 11}{1} = \frac{2222 - 222 - 22}{2} = \frac{3333 - 333 - 33}{3} \\ &:= \frac{4444 - 444 - 44}{4} = \frac{5555 - 555 - 55}{5} = \frac{6666 - 666 - 66}{6} \\ &:= \frac{7777 - 777 - 77}{7} = \frac{8888 - 888 - 88}{8} = \frac{9999 - 999 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9989} &:= \frac{11111 - 1111 - 11}{1} = \frac{22222 - 2222 - 22}{2} = \frac{33333 - 3333 - 33}{3} \\ &:= \frac{44444 - 4444 - 44}{4} = \frac{55555 - 5555 - 55}{5} = \frac{66666 - 6666 - 66}{6} \\ &:= \frac{77777 - 7777 - 77}{7} = \frac{88888 - 8888 - 88}{8} = \frac{99999 - 9999 - 99}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999989} &:= \frac{111111 - 11111 - 11}{1} = \frac{222222 - 22222 - 22}{2} = \frac{333333 - 33333 - 33}{3} \\ &:= \frac{444444 - 44444 - 44}{4} = \frac{555555 - 55555 - 55}{5} = \frac{666666 - 66666 - 66}{6} \\ &:= \frac{777777 - 77777 - 77}{7} = \frac{888888 - 88888 - 88}{8} = \frac{999999 - 99999 - 99}{9} \end{aligned}$$

9999989

$$\begin{aligned}
 &:= \frac{1111111 - 111111 - 11}{1} = \frac{2222222 - 222222 - 22}{2} = \frac{3333333 - 333333 - 33}{3} \\
 &:= \frac{4444444 - 444444 - 44}{4} = \frac{5555555 - 555555 - 55}{5} = \frac{6666666 - 666666 - 66}{6} \\
 &:= \frac{7777777 - 777777 - 77}{7} = \frac{8888888 - 888888 - 88}{8} = \frac{9999999 - 999999 - 99}{9}
 \end{aligned}$$

▶ **990**

$$\begin{aligned}
 &:= \frac{1111 - 111 - 11 + 1}{1} = \frac{2222 - 222 - 22 + 2}{2} = \frac{3333 - 333 - 33 + 3}{3} \\
 &:= \frac{4444 - 444 - 44 + 4}{4} = \frac{5555 - 555 - 55 + 5}{5} = \frac{6666 - 666 - 66 + 6}{6} \\
 &:= \frac{7777 - 777 - 77 + 7}{7} = \frac{8888 - 888 - 88 + 8}{8} = \frac{9999 - 999 - 99 + 9}{9}
 \end{aligned}$$

9990

$$\begin{aligned}
 &:= \frac{11111 - 1111 - 11 + 1}{1} = \frac{22222 - 2222 - 22 + 2}{2} = \frac{33333 - 3333 - 33 + 3}{3} \\
 &:= \frac{44444 - 4444 - 44 + 4}{4} = \frac{55555 - 5555 - 55 + 5}{5} = \frac{66666 - 6666 - 66 + 6}{6} \\
 &:= \frac{77777 - 7777 - 77 + 7}{7} = \frac{88888 - 8888 - 88 + 8}{8} = \frac{99999 - 9999 - 99 + 9}{9}
 \end{aligned}$$

999990

$$\begin{aligned}
 &:= \frac{111111 - 11111 - 11 + 1}{1} = \frac{222222 - 22222 - 22 + 2}{2} = \frac{333333 - 33333 - 33 + 3}{3} \\
 &:= \frac{444444 - 44444 - 44 + 4}{4} = \frac{555555 - 55555 - 55 + 5}{5} = \frac{666666 - 66666 - 66 + 6}{6} \\
 &:= \frac{777777 - 77777 - 77 + 7}{7} = \frac{888888 - 88888 - 88 + 8}{8} = \frac{999999 - 99999 - 99 + 9}{9}
 \end{aligned}$$

9999990

$$\begin{aligned}
 &:= \frac{1111111 - 111111 - 11 + 1}{1} = \frac{2222222 - 222222 - 22 + 2}{2} = \frac{3333333 - 333333 - 33 + 3}{3} \\
 &:= \frac{4444444 - 444444 - 44 + 4}{4} = \frac{5555555 - 555555 - 55 + 5}{5} = \frac{6666666 - 666666 - 66 + 6}{6} \\
 &:= \frac{7777777 - 777777 - 77 + 7}{7} = \frac{8888888 - 888888 - 88 + 8}{8} = \frac{9999999 - 999999 - 99 + 9}{9}
 \end{aligned}$$

▶ **991**

$$\begin{aligned}
 &:= \frac{1111 - 111 - 11 + 1 + 1}{1} = \frac{2222 - 222 - 22 + 2 + 2}{2} = \frac{3333 - 333 - 33 + 3 + 3}{3} \\
 &:= \frac{4444 - 444 - 44 + 4 + 4}{4} = \frac{5555 - 555 - 55 + 5 + 5}{5} = \frac{6666 - 666 - 66 + 6 + 6}{6} \\
 &:= \frac{7777 - 777 - 77 + 7 + 7}{7} = \frac{8888 - 888 - 88 + 8 + 8}{8} = \frac{9999 - 999 - 99 + 9 + 9}{9}
 \end{aligned}$$

9991

$$\begin{aligned}
 &:= \frac{11111 - 1111 - 11 + 1 + 1}{1} = \frac{22222 - 2222 - 22 + 2 + 2}{2} = \frac{33333 - 3333 - 33 + 3 + 3}{3} \\
 &:= \frac{44444 - 4444 - 44 + 4 + 4}{4} = \frac{55555 - 5555 - 55 + 5 + 5}{5} = \frac{66666 - 6666 - 66 + 6 + 6}{6}
 \end{aligned}$$

$$:= \frac{77777-7777-77+7+7}{7} = \frac{88888-8888-88+8+8}{8} = \frac{99999-9999-99+9+9}{9}$$

$$\begin{aligned} \textcolor{red}{99991} &:= \frac{111111-11111-11+1+1}{1} = \frac{222222-22222-22+2+2}{2} = \frac{333333-33333-33+3+3}{3} \\ &:= \frac{444444-44444-44+4+4}{4} = \frac{555555-55555-55+5+5}{5} = \frac{666666-66666-66+6+6}{6} \\ &:= \frac{777777-77777-77+7+7}{7} = \frac{888888-88888-88+8+8}{8} = \frac{999999-99999-99+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999991} &:= \frac{1111111-111111-11+1+1}{1} = \frac{2222222-222222-22+2+2}{2} = \frac{3333333-333333-33+3+3}{3} \\ &:= \frac{4444444-444444-44+4+4}{4} = \frac{5555555-555555-55+5+5}{5} = \frac{6666666-666666-66+6+6}{6} \\ &:= \frac{7777777-777777-77+7+7}{7} = \frac{8888888-888888-88+8+8}{8} = \frac{9999999-999999-99+9+9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{992} &:= \frac{1111-111-11+1+1+1}{1} = \frac{2222-222-22+2+2+2}{2} = \frac{3333-333-33+3+3+3}{3} \\ &:= \frac{4444-444-44+4+4+4}{4} = \frac{5555-555-55+5+5+5}{5} = \frac{6666-666-66+6+6+6}{6} \\ &:= \frac{7777-777-77+7+7+7}{7} = \frac{8888-888-88+8+8+8}{8} = \frac{9999-999-99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9992} &:= \frac{11111-1111-11+1+1+1}{1} = \frac{22222-2222-22+2+2+2}{2} = \frac{33333-3333-33+3+3+3}{3} \\ &:= \frac{44444-4444-44+4+4+4}{4} = \frac{55555-5555-55+5+5+5}{5} = \frac{66666-6666-66+6+6+6}{6} \\ &:= \frac{77777-7777-77+7+7+7}{7} = \frac{88888-8888-88+8+8+8}{8} = \frac{99999-9999-99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99992} &:= \frac{111111-11111-11+1+1+1}{1} = \frac{222222-22222-22+2+2+2}{2} = \frac{333333-33333-33+3+3+3}{3} \\ &:= \frac{444444-44444-44+4+4+4}{4} = \frac{555555-55555-55+5+5+5}{5} = \frac{666666-66666-66+6+6+6}{6} \\ &:= \frac{777777-77777-77+7+7+7}{7} = \frac{888888-88888-88+8+8+8}{8} = \frac{999999-99999-99+9+9+9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999992} &:= \frac{1111111-111111-11+1+1+1}{1} = \frac{2222222-222222-22+2+2+2}{2} = \frac{3333333-333333-33+3+3+3}{3} \\ &:= \frac{4444444-444444-44+4+4+4}{4} = \frac{5555555-555555-55+5+5+5}{5} = \frac{6666666-666666-66+6+6+6}{6} \\ &:= \frac{7777777-777777-77+7+7+7}{7} = \frac{8888888-888888-88+8+8+8}{8} = \frac{9999999-999999-99+9+9+9}{9} \end{aligned}$$

►

$$\textcolor{red}{993} := \frac{1111-111-11+1+1+1+1}{1} = \frac{2222-222-22+2+2+2+2}{2} = \frac{3333-333-33+3+3+3+3}{3}$$

$$\begin{aligned} &:= \frac{4444 - 444 - 44 + 4 + 4 + 4 + 4}{4} = \frac{5555 - 555 - 55 + 5 + 5 + 5 + 5}{5} = \frac{6666 - 666 - 66 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{7777 - 777 - 77 + 7 + 7 + 7 + 7}{7} = \frac{8888 - 888 - 88 + 8 + 8 + 8 + 8}{8} = \frac{9999 - 999 - 99 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9993} &:= \frac{11111 - 1111 - 11 + 1 + 1 + 1 + 1}{1} = \frac{22222 - 2222 - 22 + 2 + 2 + 2 + 2}{2} = \frac{33333 - 3333 - 33 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{44444 - 4444 - 44 + 4 + 4 + 4 + 4}{4} = \frac{55555 - 5555 - 55 + 5 + 5 + 5 + 5}{5} = \frac{66666 - 6666 - 66 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{77777 - 7777 - 77 + 7 + 7 + 7 + 7}{7} = \frac{88888 - 8888 - 88 + 8 + 8 + 8 + 8}{8} = \frac{99999 - 9999 - 99 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99993} &:= \frac{111111 - 11111 - 11 + 1 + 1 + 1 + 1}{1} = \frac{222222 - 22222 - 22 + 2 + 2 + 2 + 2}{2} = \frac{333333 - 33333 - 33 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{444444 - 44444 - 44 + 4 + 4 + 4 + 4}{4} = \frac{555555 - 55555 - 55 + 5 + 5 + 5 + 5}{5} = \frac{666666 - 66666 - 66 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{777777 - 77777 - 77 + 7 + 7 + 7 + 7}{7} = \frac{888888 - 88888 - 88 + 8 + 8 + 8 + 8}{8} = \frac{999999 - 99999 - 99 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999993} &:= \frac{1111111 - 111111 - 11 + 1 + 1 + 1 + 1}{1} = \frac{2222222 - 222222 - 22 + 2 + 2 + 2 + 2}{2} = \frac{3333333 - 333333 - 33 + 3 + 3 + 3 + 3}{3} \\ &:= \frac{4444444 - 444444 - 44 + 4 + 4 + 4 + 4}{4} = \frac{5555555 - 555555 - 55 + 5 + 5 + 5 + 5}{5} = \frac{6666666 - 666666 - 66 + 6 + 6 + 6 + 6}{6} \\ &:= \frac{7777777 - 777777 - 77 + 7 + 7 + 7 + 7}{7} = \frac{8888888 - 888888 - 88 + 8 + 8 + 8 + 8}{8} = \frac{9999999 - 999999 - 99 + 9 + 9 + 9 + 9}{9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright \textcolor{red}{994} &:= \frac{1111 - 111 - 1 - 1 - 1 - 1 - 1 - 1}{1} = \frac{2222 - 222 - 2 - 2 - 2 - 2 - 2 - 2}{2} = \frac{3333 - 333 - 3 - 3 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{4444 - 444 - 4 - 4 - 4 - 4 - 4 - 4}{4} = \frac{5555 - 555 - 5 - 5 - 5 - 5 - 5 - 5}{5} = \frac{6666 - 666 - 6 - 6 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{7777 - 777 - 7 - 7 - 7 - 7 - 7 - 7}{7} = \frac{8888 - 888 - 8 - 8 - 8 - 8 - 8 - 8}{8} = \frac{9999 - 999 - 9 - 9 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9994} &:= \frac{11111 - 1111 - 1 - 1 - 1 - 1 - 1 - 1}{1} = \frac{22222 - 2222 - 2 - 2 - 2 - 2 - 2 - 2}{2} = \frac{33333 - 3333 - 3 - 3 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{44444 - 4444 - 4 - 4 - 4 - 4 - 4 - 4}{4} = \frac{55555 - 5555 - 5 - 5 - 5 - 5 - 5 - 5}{5} = \frac{66666 - 6666 - 6 - 6 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{77777 - 7777 - 7 - 7 - 7 - 7 - 7 - 7}{7} = \frac{88888 - 8888 - 8 - 8 - 8 - 8 - 8 - 8}{8} = \frac{99999 - 9999 - 9 - 9 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99994} &:= \frac{111111 - 11111 - 1 - 1 - 1 - 1 - 1 - 1}{1} = \frac{222222 - 22222 - 2 - 2 - 2 - 2 - 2 - 2}{2} = \frac{333333 - 33333 - 3 - 3 - 3 - 3 - 3 - 3}{3} \\ &:= \frac{444444 - 44444 - 4 - 4 - 4 - 4 - 4 - 4}{4} = \frac{555555 - 55555 - 5 - 5 - 5 - 5 - 5 - 5}{5} = \frac{666666 - 66666 - 6 - 6 - 6 - 6 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 7 - 7 - 7 - 7 - 7 - 7}{7} = \frac{888888 - 88888 - 8 - 8 - 8 - 8 - 8 - 8}{8} = \frac{999999 - 99999 - 9 - 9 - 9 - 9 - 9 - 9}{9} \end{aligned}$$

999994

$$\begin{aligned} &:= \frac{1111111-111111-1-1-1-1-1-1}{1} = \frac{2222222-222222-2-2-2-2-2-2}{2} = \frac{3333333-333333-3-3-3-3-3-3}{3} \\ &:= \frac{4444444-444444-4-4-4-4-4-4}{4} = \frac{5555555-555555-5-5-5-5-5-5}{5} = \frac{6666666-666666-6-6-6-6-6-6}{6} \\ &:= \frac{7777777-777777-7-7-7-7-7-7}{7} = \frac{8888888-888888-8-8-8-8-8-8}{8} = \frac{9999999-999999-9-9-9-9-9-9}{9} \end{aligned}$$

► 995

$$\begin{aligned} &:= \frac{1111-111-1-1-1-1-1}{1} = \frac{2222-222-2-2-2-2-2}{2} = \frac{3333-333-3-3-3-3-3}{3} \\ &:= \frac{4444-444-4-4-4-4-4}{4} = \frac{5555-555-5-5-5-5-5}{5} = \frac{6666-666-6-6-6-6-6}{6} \\ &:= \frac{7777-777-7-7-7-7-7}{7} = \frac{8888-888-8-8-8-8-8}{8} = \frac{9999-999-9-9-9-9-9}{9} \end{aligned}$$

9995

$$\begin{aligned} &:= \frac{11111-1111-1-1-1-1-1}{1} = \frac{22222-2222-2-2-2-2-2}{2} = \frac{33333-3333-3-3-3-3-3}{3} \\ &:= \frac{44444-4444-4-4-4-4-4}{4} = \frac{55555-5555-5-5-5-5-5}{5} = \frac{66666-6666-6-6-6-6-6}{6} \\ &:= \frac{77777-7777-7-7-7-7-7}{7} = \frac{88888-8888-8-8-8-8-8}{8} = \frac{99999-9999-9-9-9-9-9}{9} \end{aligned}$$

99995

$$\begin{aligned} &:= \frac{111111-11111-1-1-1-1-1}{1} = \frac{222222-22222-2-2-2-2-2}{2} = \frac{333333-33333-3-3-3-3-3}{3} \\ &:= \frac{444444-44444-4-4-4-4-4}{4} = \frac{555555-55555-5-5-5-5-5}{5} = \frac{666666-66666-6-6-6-6-6}{6} \\ &:= \frac{777777-77777-7-7-7-7-7}{7} = \frac{888888-88888-8-8-8-8-8}{8} = \frac{999999-99999-9-9-9-9-9}{9} \end{aligned}$$

999995

$$\begin{aligned} &:= \frac{1111111-111111-1-1-1-1-1}{1} = \frac{2222222-222222-2-2-2-2-2}{2} = \frac{3333333-333333-3-3-3-3-3}{3} \\ &:= \frac{4444444-444444-4-4-4-4-4}{4} = \frac{5555555-555555-5-5-5-5-5}{5} = \frac{6666666-666666-6-6-6-6-6}{6} \\ &:= \frac{7777777-777777-7-7-7-7-7}{7} = \frac{8888888-888888-8-8-8-8-8}{8} = \frac{9999999-999999-9-9-9-9-9}{9} \end{aligned}$$

► 996

$$\begin{aligned} &:= \frac{1111-111-1-1-1-1}{1} = \frac{2222-222-2-2-2-2}{2} = \frac{3333-333-3-3-3-3}{3} \\ &:= \frac{4444-444-4-4-4-4}{4} = \frac{5555-555-5-5-5-5}{5} = \frac{6666-666-6-6-6-6}{6} \\ &:= \frac{7777-777-7-7-7-7}{7} = \frac{8888-888-8-8-8-8}{8} = \frac{9999-999-9-9-9-9}{9} \end{aligned}$$

9996

$$\begin{aligned} &:= \frac{11111-1111-1-1-1-1}{1} = \frac{22222-2222-2-2-2-2}{2} = \frac{33333-3333-3-3-3-3}{3} \\ &:= \frac{44444-4444-4-4-4-4}{4} = \frac{55555-5555-5-5-5-5}{5} = \frac{66666-6666-6-6-6-6}{6} \end{aligned}$$

$$:= \frac{77777-7777-7-7-7-7}{7} = \frac{88888-8888-8-8-8-8}{8} = \frac{99999-9999-9-9-9-9}{9}$$

99996 := $\frac{111111-11111-1-1-1-1}{1} = \frac{222222-22222-2-2-2-2}{2} = \frac{333333-33333-3-3-3-3}{3}$

$$:= \frac{444444-44444-4-4-4-4}{4} = \frac{555555-55555-5-5-5-5}{5} = \frac{666666-66666-6-6-6-6}{6}$$
$$:= \frac{777777-77777-7-7-7-7}{7} = \frac{888888-88888-8-8-8-8}{8} = \frac{999999-99999-9-9-9-9}{9}$$

999996 := $\frac{1111111-111111-1-1-1-1}{1} = \frac{2222222-222222-2-2-2-2}{2} = \frac{3333333-333333-3-3-3-3}{3}$

$$:= \frac{4444444-444444-4-4-4-4}{4} = \frac{5555555-555555-5-5-5-5}{5} = \frac{6666666-666666-6-6-6-6}{6}$$
$$:= \frac{7777777-777777-7-7-7-7}{7} = \frac{8888888-888888-8-8-8-8}{8} = \frac{9999999-999999-9-9-9-9}{9}$$

► **997** := $\frac{1111-111-1-1-1}{1} = \frac{2222-222-2-2-2}{2} = \frac{3333-333-3-3-3}{3}$

$$:= \frac{4444-444-4-4-4}{4} = \frac{5555-555-5-5-5}{5} = \frac{6666-666-6-6-6}{6}$$
$$:= \frac{7777-777-7-7-7}{7} = \frac{8888-888-8-8-8}{8} = \frac{9999-999-9-9-9}{9}$$

9997 := $\frac{11111-1111-1-1-1}{1} = \frac{22222-2222-2-2-2}{2} = \frac{33333-3333-3-3-3}{3}$

$$:= \frac{44444-4444-4-4-4}{4} = \frac{55555-5555-5-5-5}{5} = \frac{66666-6666-6-6-6}{6}$$
$$:= \frac{77777-7777-7-7-7}{7} = \frac{88888-8888-8-8-8}{8} = \frac{99999-9999-9-9-9}{9}$$

99997 := $\frac{111111-11111-1-1-1}{1} = \frac{222222-22222-2-2-2}{2} = \frac{333333-33333-3-3-3}{3}$

$$:= \frac{444444-44444-4-4-4}{4} = \frac{555555-55555-5-5-5}{5} = \frac{666666-66666-6-6-6}{6}$$
$$:= \frac{777777-77777-7-7-7}{7} = \frac{888888-88888-8-8-8}{8} = \frac{999999-99999-9-9-9}{9}$$

999997 := $\frac{1111111-111111-1-1-1}{1} = \frac{2222222-222222-2-2-2}{2} = \frac{3333333-333333-3-3-3}{3}$

$$:= \frac{4444444-444444-4-4-4}{4} = \frac{5555555-555555-5-5-5}{5} = \frac{6666666-666666-6-6-6}{6}$$
$$:= \frac{7777777-777777-7-7-7}{7} = \frac{8888888-888888-8-8-8}{8} = \frac{9999999-999999-9-9-9}{9}$$

► **998** := $\frac{1111-111-1-1}{1} = \frac{2222-222-2-2}{2} = \frac{3333-333-3-3}{3}$

$$\begin{aligned} &:= \frac{4444 - 444 - 4 - 4}{4} = \frac{5555 - 555 - 5 - 5}{5} = \frac{6666 - 666 - 6 - 6}{6} \\ &:= \frac{7777 - 777 - 7 - 7}{7} = \frac{8888 - 888 - 8 - 8}{8} = \frac{9999 - 999 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9998} &:= \frac{11111 - 1111 - 1 - 1}{1} = \frac{22222 - 2222 - 2 - 2}{2} = \frac{33333 - 3333 - 3 - 3}{3} \\ &:= \frac{44444 - 4444 - 4 - 4}{4} = \frac{55555 - 5555 - 5 - 5}{5} = \frac{66666 - 6666 - 6 - 6}{6} \\ &:= \frac{77777 - 7777 - 7 - 7}{7} = \frac{88888 - 8888 - 8 - 8}{8} = \frac{99999 - 9999 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99998} &:= \frac{111111 - 11111 - 1 - 1}{1} = \frac{222222 - 22222 - 2 - 2}{2} = \frac{333333 - 33333 - 3 - 3}{3} \\ &:= \frac{444444 - 44444 - 4 - 4}{4} = \frac{555555 - 55555 - 5 - 5}{5} = \frac{666666 - 66666 - 6 - 6}{6} \\ &:= \frac{777777 - 77777 - 7 - 7}{7} = \frac{888888 - 88888 - 8 - 8}{8} = \frac{999999 - 99999 - 9 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{999998} &:= \frac{1111111 - 111111 - 1 - 1}{1} = \frac{2222222 - 222222 - 2 - 2}{2} = \frac{3333333 - 333333 - 3 - 3}{3} \\ &:= \frac{4444444 - 444444 - 4 - 4}{4} = \frac{5555555 - 555555 - 5 - 5}{5} = \frac{6666666 - 666666 - 6 - 6}{6} \\ &:= \frac{7777777 - 777777 - 7 - 7}{7} = \frac{8888888 - 888888 - 8 - 8}{8} = \frac{9999999 - 999999 - 9 - 9}{9} \end{aligned}$$

►

$$\begin{aligned} \textcolor{red}{999} &:= \frac{1111 - 111 - 1}{1} = \frac{2222 - 222 - 2}{2} = \frac{3333 - 333 - 3}{3} \\ &:= \frac{4444 - 444 - 4}{4} = \frac{5555 - 555 - 5}{5} = \frac{6666 - 666 - 6}{6} \\ &:= \frac{7777 - 777 - 7}{7} = \frac{8888 - 888 - 8}{8} = \frac{9999 - 999 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{9999} &:= \frac{11111 - 1111 - 1}{1} = \frac{22222 - 2222 - 2}{2} = \frac{33333 - 3333 - 3}{3} \\ &:= \frac{44444 - 4444 - 4}{4} = \frac{55555 - 5555 - 5}{5} = \frac{66666 - 6666 - 6}{6} \\ &:= \frac{77777 - 7777 - 7}{7} = \frac{88888 - 8888 - 8}{8} = \frac{99999 - 9999 - 9}{9} \end{aligned}$$

$$\begin{aligned} \textcolor{red}{99999} &:= \frac{111111 - 11111 - 1}{1} = \frac{222222 - 22222 - 2}{2} = \frac{333333 - 33333 - 3}{3} \\ &:= \frac{444444 - 44444 - 4}{4} = \frac{555555 - 55555 - 5}{5} = \frac{666666 - 66666 - 6}{6} \\ &:= \frac{777777 - 77777 - 7}{7} = \frac{888888 - 88888 - 8}{8} = \frac{999999 - 99999 - 9}{9} \end{aligned}$$

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