

I've been thinking about the logical ambiguity of expressions like $0 \div 0$.

What if we defined it not as undefined, but as a conceptual state — something like "Comparison Zero (C0)", meaning a value before any reference or comparison is made?

Currently:

$0 \div 0 = \text{undefined}$

With this framework:

$0 \div 0 = \text{C0}$ (comparison not yet possible; pre-observation)

When I asked calculators and AI models to evaluate $0 \div 0$, the only responses I received were "undefined" or "error".

That made me think — maybe if we treated it as C0, a consistent conceptual value, we could avoid these ambiguous results altogether.

I also feel that defining a “pre-comparison” state like C0 can simplify not just calculation logic, but also theoretical modeling.

By separating comparison and basis as C0 and B0, it's possible to create logical structures where even non-natural number systems can define valid reference points.

The idea is to treat '0' in two conceptual ways:

- C0: a comparison value before observation
- B0: a basis or default reference within a system

This approach might help reduce logical contradictions in AI, and assist in how systems handle default values or undefined operations.

I'm Japanese and not fluent in English, so I used ChatGPT for translation.

I'm also not a computer science expert — just curious to hear what others think.