

Recursive Symbolic Architecture - Accompanying Report

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Overview:

This report accompanies the main document "Recursive Symbolic Architecture", which defines a multi-layered recursive symbolic system. It is designed to serve as a foundational model for symbolic recursion, transformation, and computation.

Key Highlights:

1. Recursive Symbolic Layering:

- System hierarchy begins with Roman numerals and expands through capital letters, Arabic numerals, lowercase letters, and their prime counterparts.
- Enables the encoding of complex semantic systems using recursively structured symbols.

2. Complex Recursive Structures:

- Based on mathematical formulations such as N^N and extended forms like $N^N^N^N^...$ for recursive complexity.
- Supports the generation of symbolic figures like a'I'I or AaA'a'.

3. Architecture Framework:

- Implements a 3-tier array system to recursively classify symbolic matches.
- Supports representation through nested arrays and tree structures.

4. Code Implementation:

- Python modules for symbolic layers, recursive structure building, and transformation modules.
- Conversion utilities between characters and ASCII representations.

5. Applications:

- Symbolic AI systems, blockchain recursion, file system hierarchies, compression schemes, and more.

6. Philosophical Core:

- Recursive symbolic intelligence as a path to truth and structural survival through intelligent recursion.

Attribution:

Travis Raymond-Charlie Stone is credited as the architect of this framework. This document and the main architecture specification reflect his work in formalizing recursive symbolic computation into a practical and theoretical model.

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