

Benchmarks and Ancestry

For all the kernels:

- * Show the kernel ID
- * With their parent's ID
- * And an array of benchmarks

Evolutionary Selector

Documentation:

- * Mission statement
- * Listing of IDs and Benchmarks

Return the following:

- * Suitable Base code ID
- * Relevant Ref code ID
- * Explanation of approach

Gemini Flash

2 code samples

Benchmarking Platform

Compilation:

- * Does the code compile?
- * If not, return to Kernel Writer

Testing:

- * Correct results from code?
- * If not, return to Kernel Writer

Benchmarking:

- * Accurate timing (18 seeds)
- * No profiling data available

Kernel Writer

Documentation:

- * Original Problem Statement
- * PyTorch model code
- * MVP HIP code (inefficient)

Additional Data:

- * 'findings' - about HIP
- * Pseudocode for efficient kernel

Outputs HIP code

Population Details

Add results to population

Failures