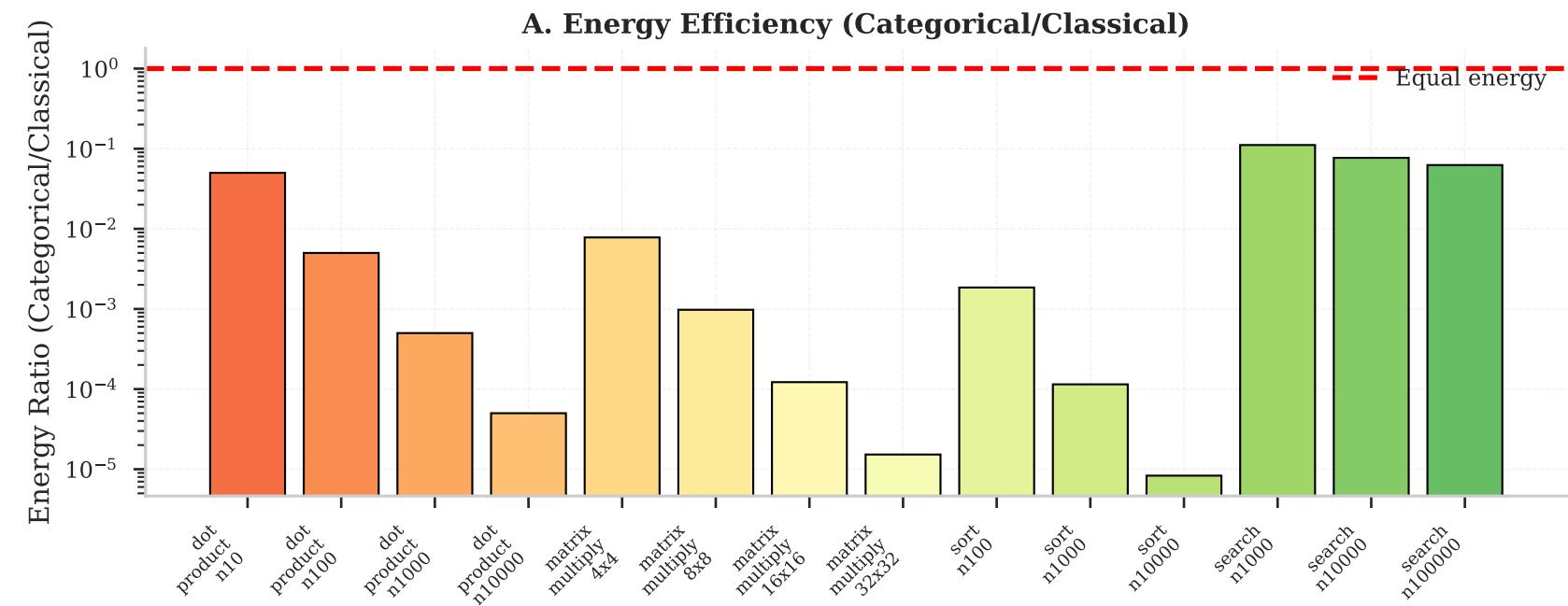


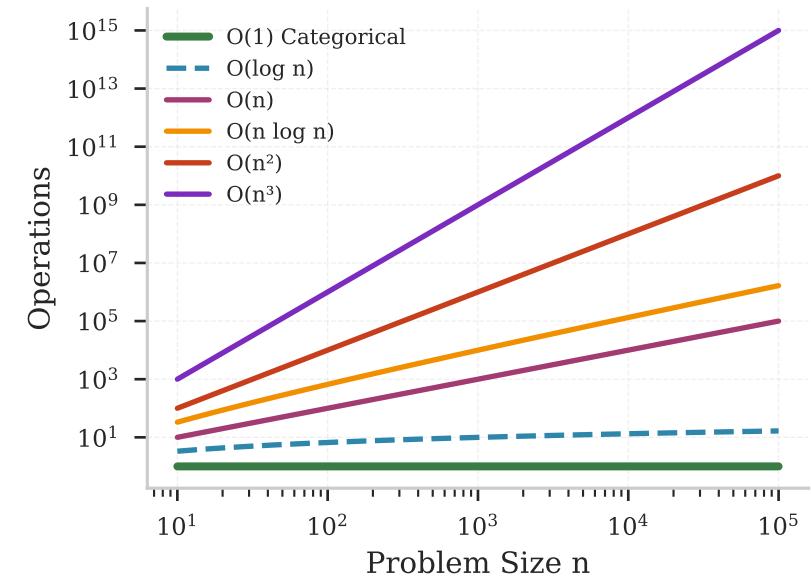
# Processor Benchmark: Energy & Complexity Analysis

## Landauer-Optimal Information Processing

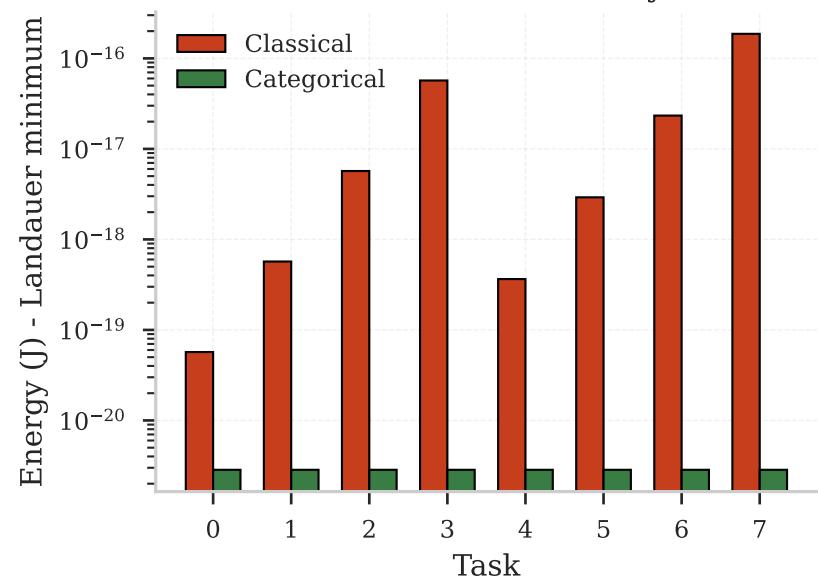
**A. Energy Efficiency (Categorical/Classical)**



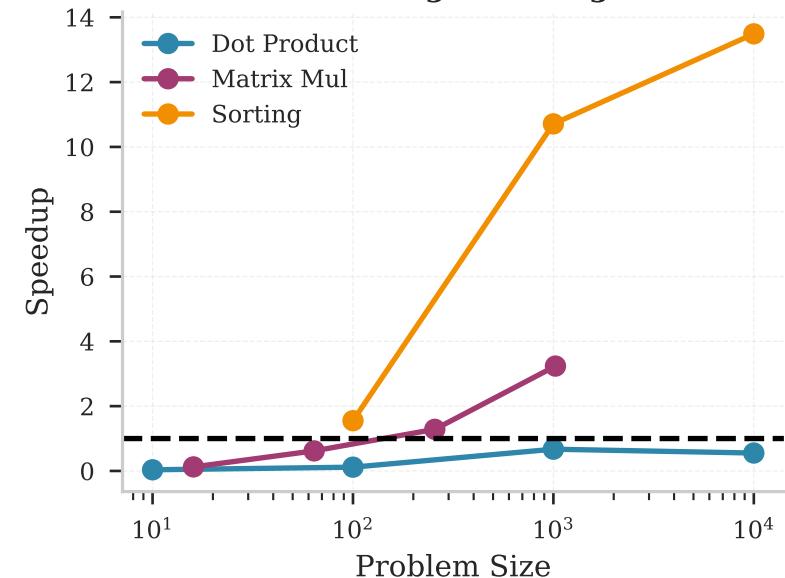
**B. Theoretical Complexity**



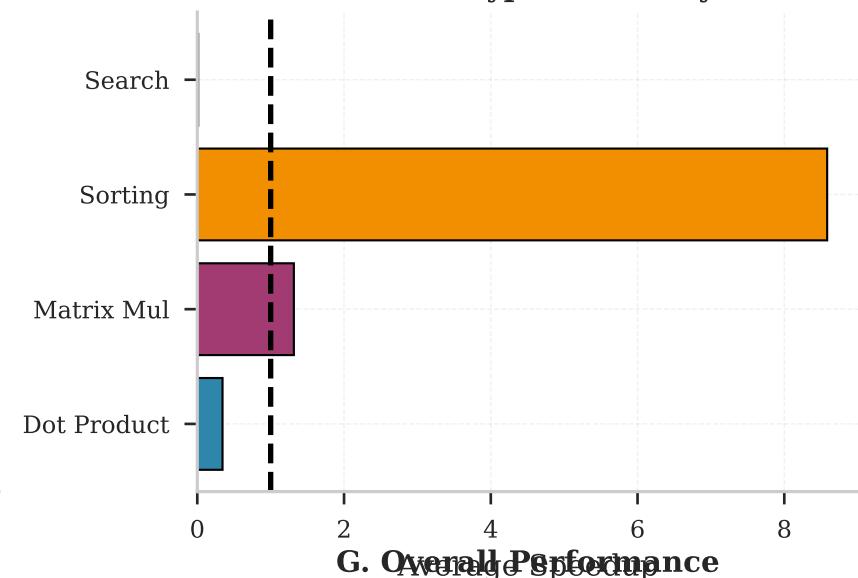
**C. Landauer Limit Analysis**



**D. Scaling Advantage**



**E. Task Type Efficiency**



**F. Performance Crossover Analysis**

