CS250B Lab 1 Derby

2022 Spring
Correct operations?

• Few submissions did not execute the correct amount of computation!
  • Some points deducted. Will let you know in canvas.

Correct results

Not enough steps?!
Performance on Desktop

• Slower memory, slower CPU
Performance on Server

• Fast memory, fast CPU
• Detailed analysis

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Analysis

• 1: Good scalability, but no AVX
• 2: Good scalability with AVX!
• 3: Uses OpenMP, seems to always use all available threads
  • (More than allocated)
• 4: Good single-thread performance (With AVX), but no threading