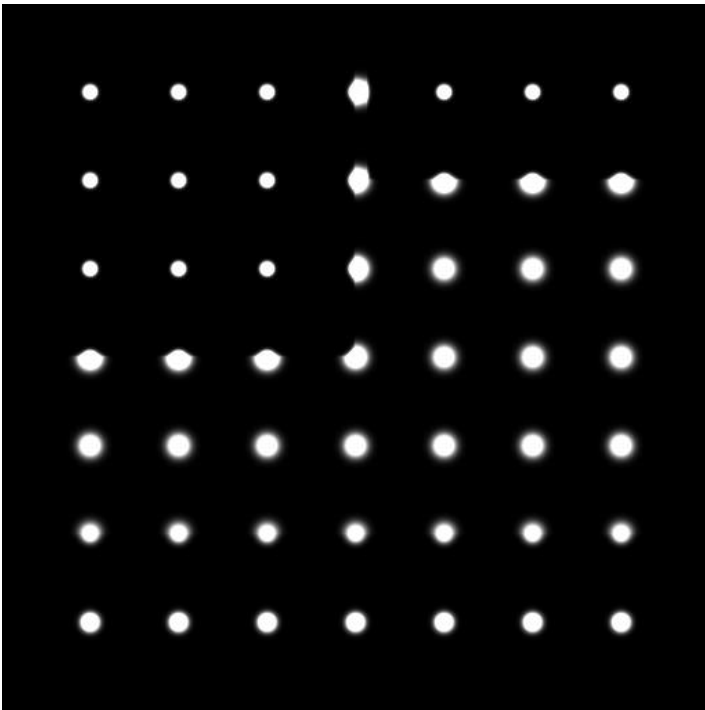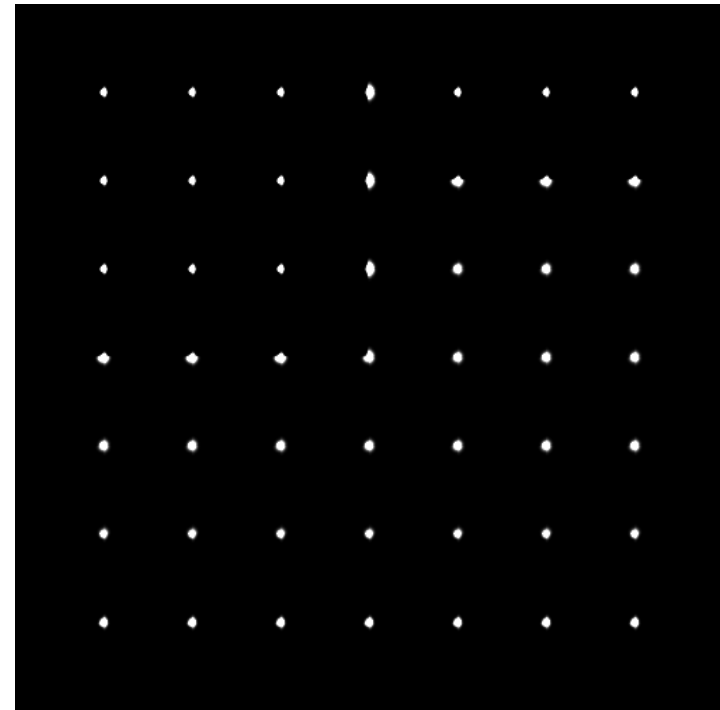# CS250B Lab 1 Derby

2022 Spring

Correct operations?

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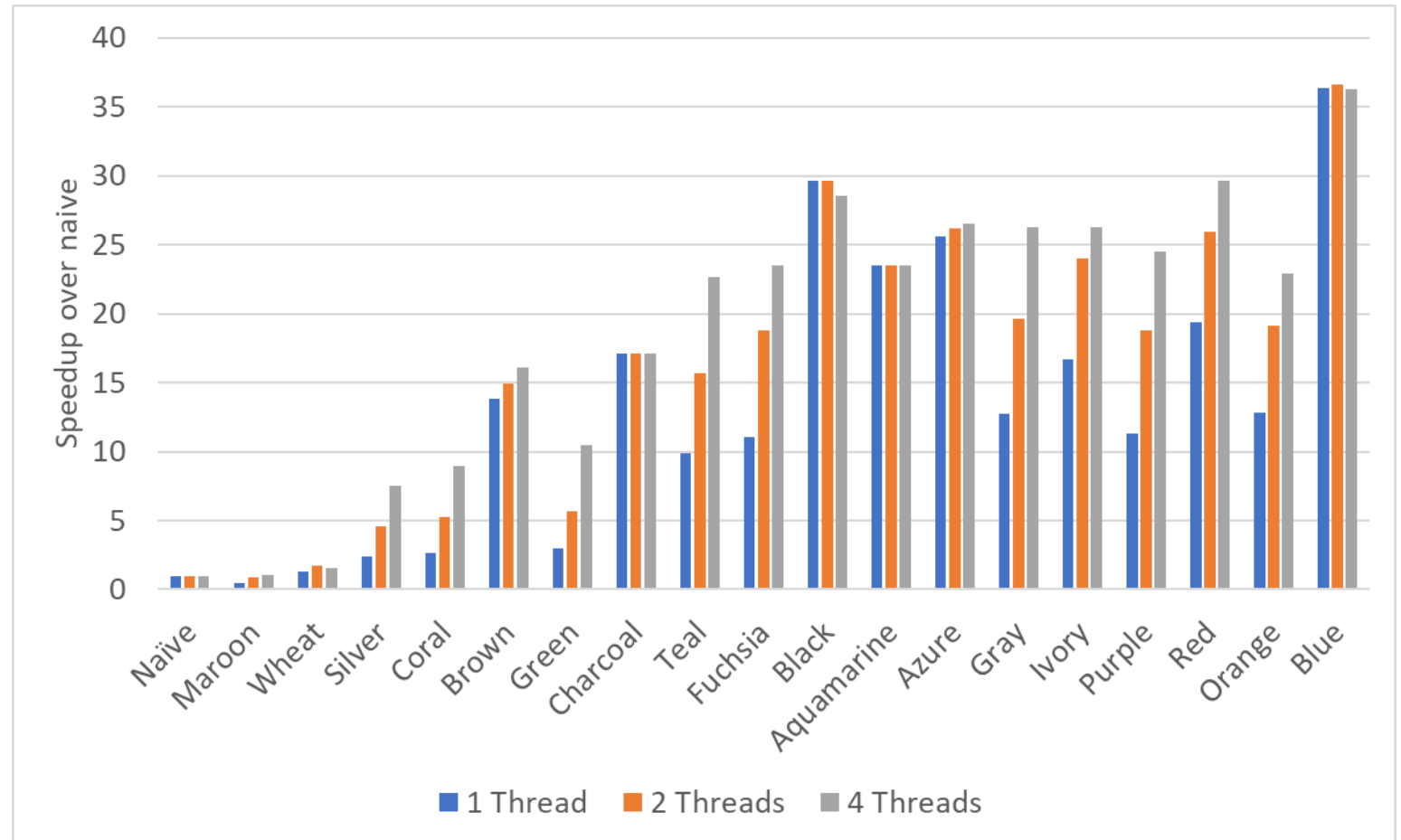 - Some points deducted. Will let you know in canvas.
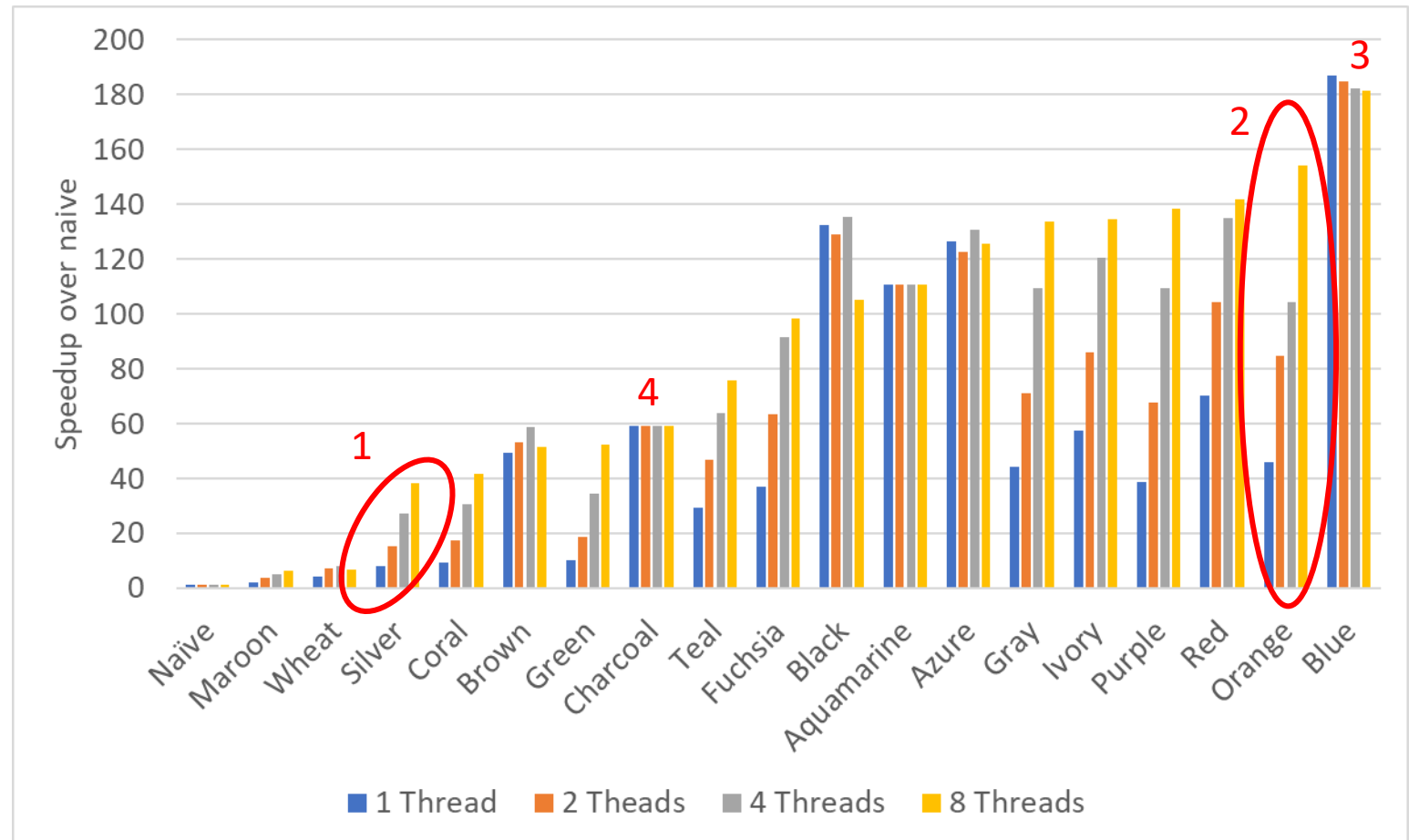

Correct results

Not enough steps?!

Performance on Desktop

- Slower memory, slower CPU

Performance on Server

- Fast memory, fast CPU

- Detailed analysis next page

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