

CS 5220 Pre-Class Questions 2

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Question 1

I will answer this after lecture.

Question 2 In light of the calculation done in the lecture slides, given that I also have an i5 Haswell processor (albeit a 1.3 GHz one), following the same calculation as the professor, I arrive at roughly 42 GFLOPS.

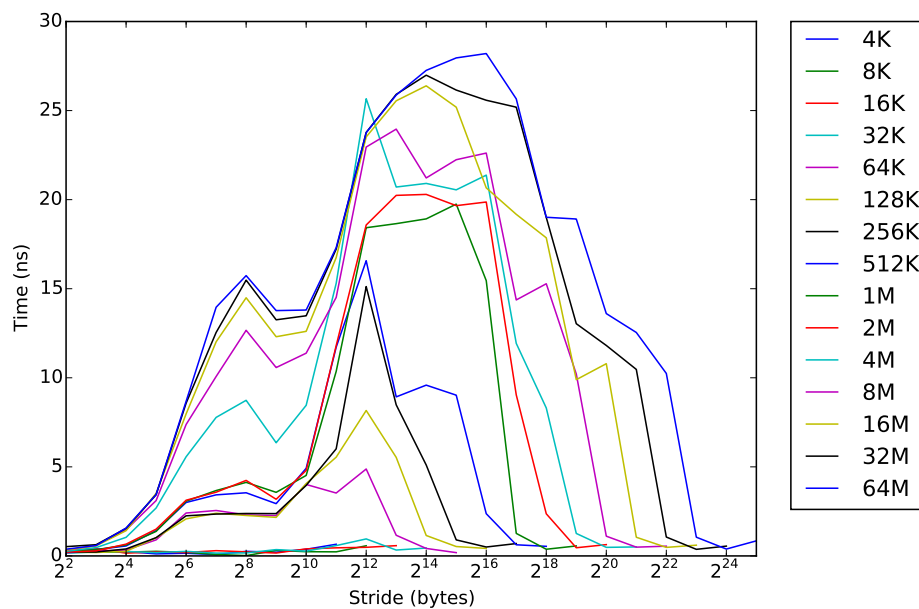
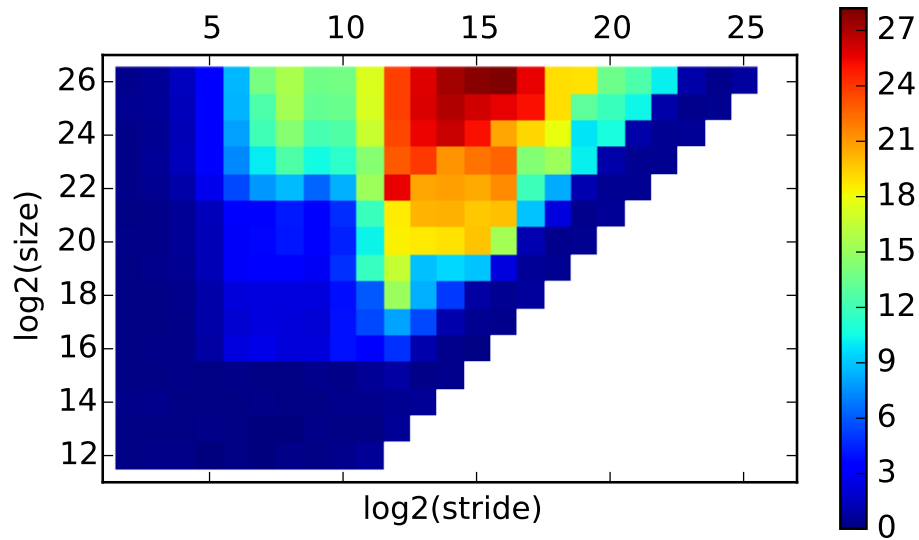
Question 3 According to the lecture slides, the maximum speedup would be p , independent of the number of tasks.

Question 4

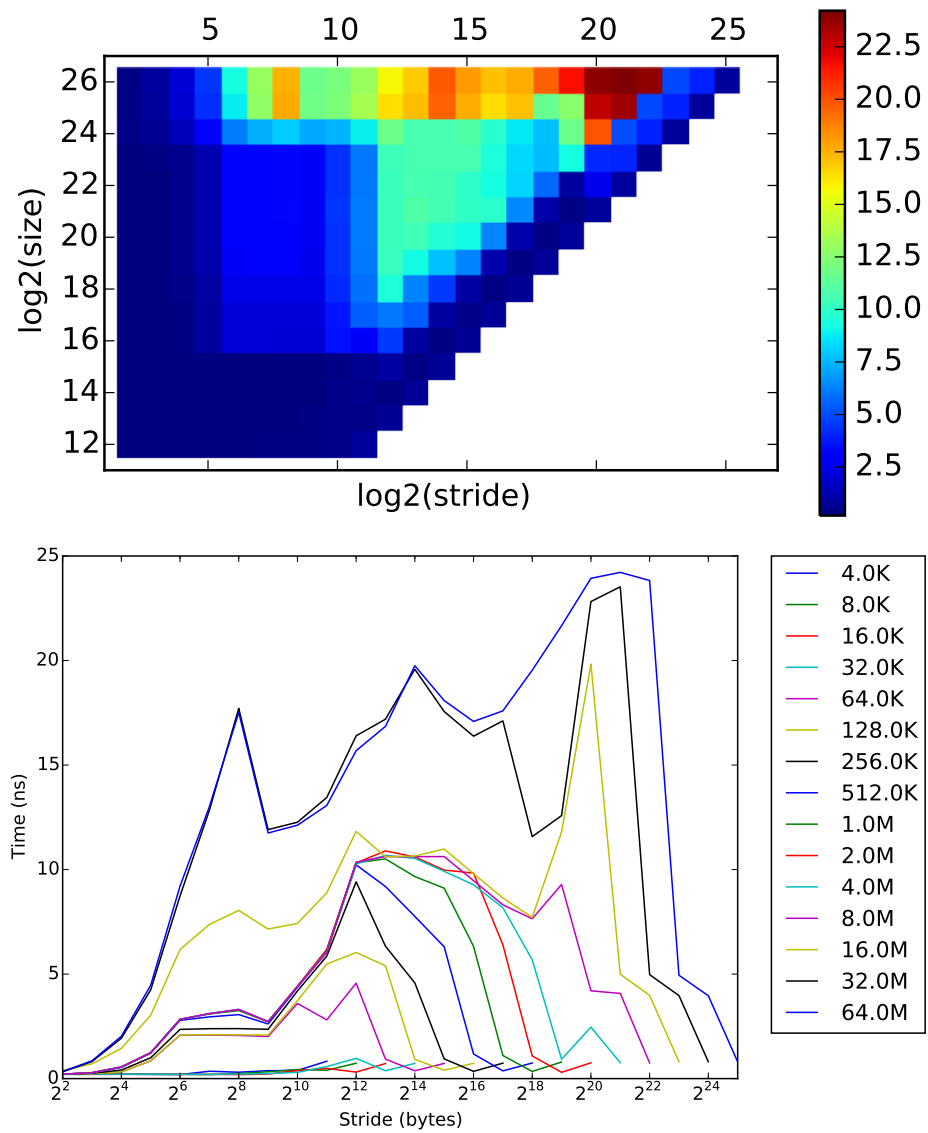
Minimum serial time= 2.75 hrs.

Minimum parallel time= 2.25 hrs. (will add diagram after lecture)

Question 5



Question 6



Question 7 I have a question about how to generate 10^6 points that I need to ask before completing this.