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Project #0 Writeup

1) I ran this on the FLIP server
2) Performance Results

NUMT	Peak Performance	Average Performance
1	1012.32 MegaMults/Sec	945.02 MegaMults/Sec
4	3764.13 MegaMults/Sec	3441.65 MegaMults/Sec

3) Speed-up = $\frac{3441.65\ Megamults/sec}{945.02\ Megamults/sec} = 3.64$
4) Based on the Speed up value, the program speeds up 3.64 when you use 4 threads compared to running it on one thread. This makes sense because, you are able to distribute the program across 4 threads reducing the time to execute. So, the execution would speed up.
5)

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Parallel Fraction: 0.967033
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