

Question 3

Serial and OpenMP computation of pi

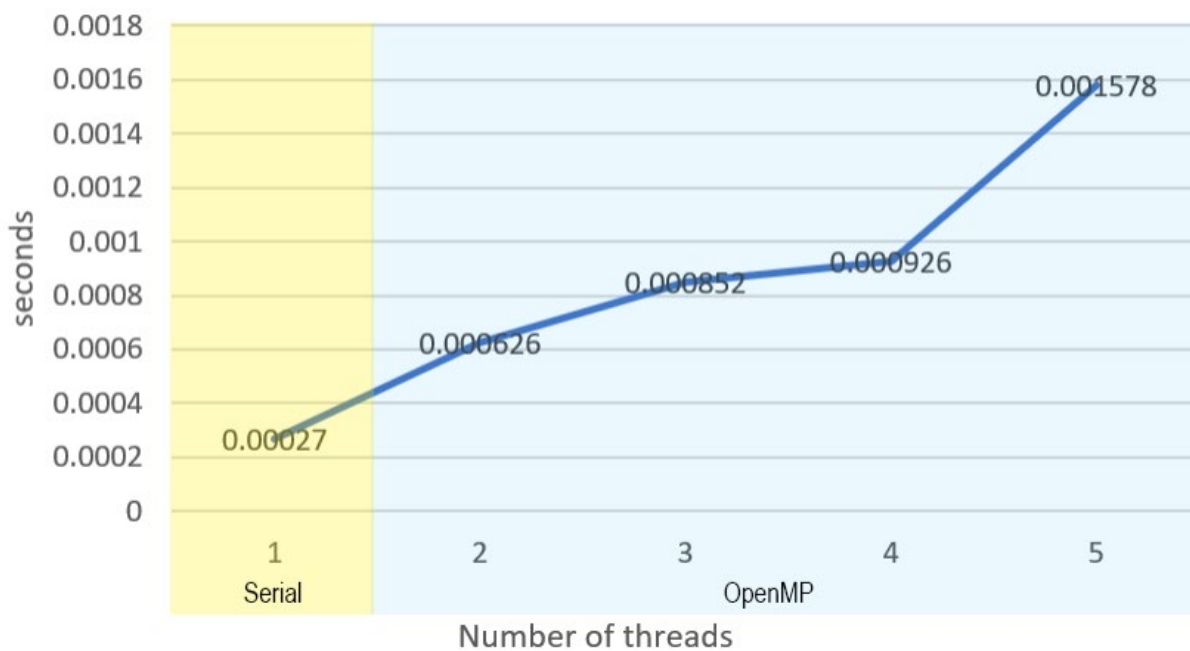
Serial

No. Threads	Time to compute pi (seconds)
1	0.000270

OpenMP

No. Threads	Time to compute pi (seconds)
2	0.000626
3	0.000852
4	0.000926
5	0.001578

time to compute pi per thread count

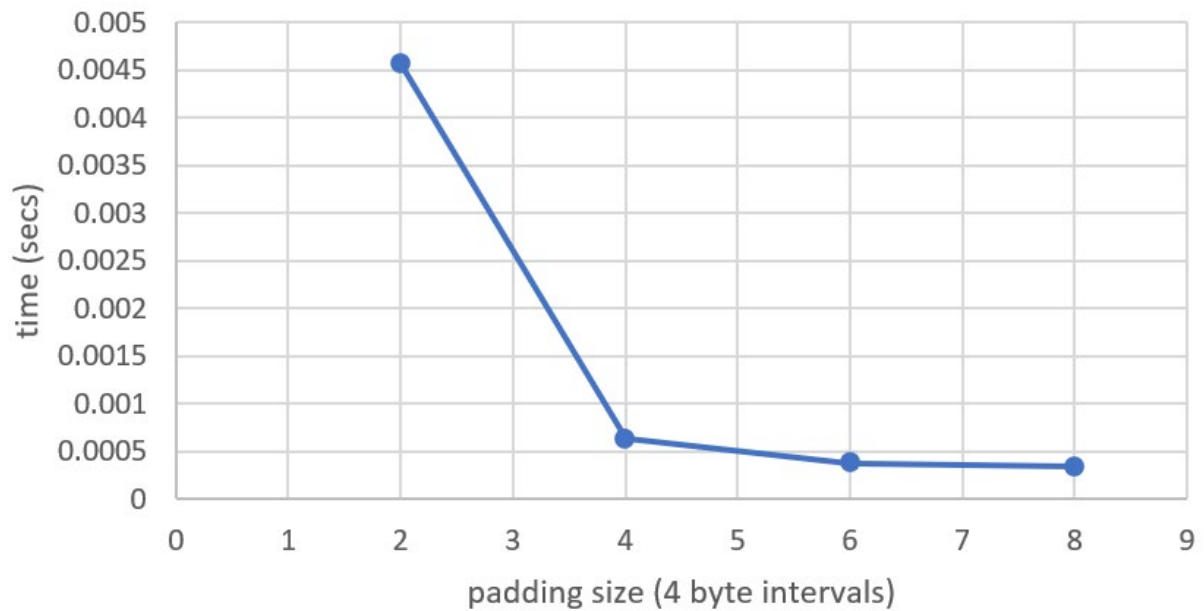


Question 4

OpenMP computation of PI using padding

Padding size (4 bytes each)	Time to compute (seconds)
2	0.004564
4	0.000635
6	0.000380
8	0.000340

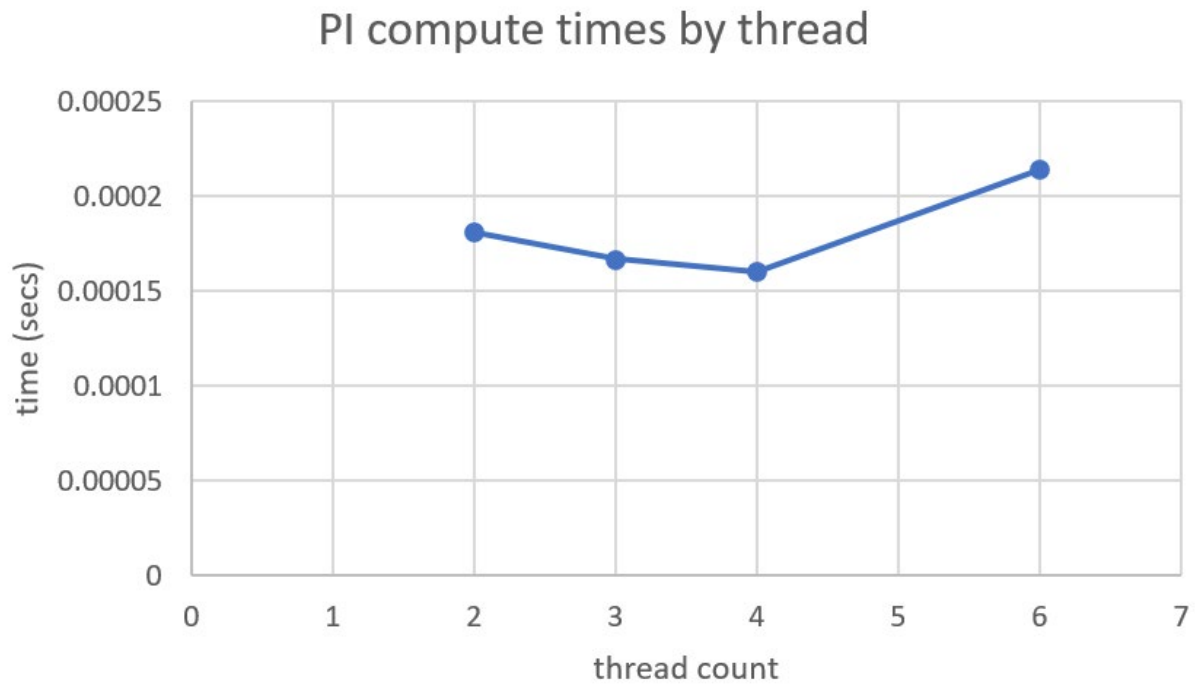
padding effect on parallel computation of pi



Question 5

OpenMP computation of PI using implicit and explicit barriers

No. Threads	Time to compute pi (seconds)
2	0.000181
3	0.000167
4	0.000160
6	0.000214



Question 6

computing sum and average of all cells in 2D array with OpenMP parallel-for and reduction

Scheduling type	Time (secs)
Static	0.001822145
dynamic	0.001646145

