## Home work 2 Time v/s Problem Size 10000 - OpenMP Simple MPI N=2 7500 ---- MPI N=4 — MPI N=8 5000 2500 2000 4000 6000 8000 10000 Time taken by OpenMP is least

Time taken by no parallel implementation is maximum

Time increases as roughly cubically with the matrix size

Actual increase is more than cubic because of cache miss increase