2) Machine used: AMD Opteron 6272 processor (CIMS crunchy 1 server)

Peak FLOPs: 11282 \* 10^6 Ops/sec

Peak Flop achieved: 8050 \* 10^6 Ops/sec

Percentage of peak flop achieved: 71%

Blocking

A picture containing table

Description automatically generated

Blocking with Parallelization

A picture containing table

Description automatically generated

4) Gauss-Seidel Timings for N=1000 and 10000, 100 iterations and 32 threads

N=1000

Text

Description automatically generated

N=10000

Text

Description automatically generated

Jacobi Timings for N=1000 and 10000, 100 iterations and 32 threads

N=1000

Text

Description automatically generated

N =10000

Text

Description automatically generated