

Comments of the organizers on the record  
of problem B, contest of 2012, MPI+OpenMP

date: September 19, 2012

time: 2392 msec, speed-up: 7.61

Only OpenMP is used, and the speed-up is close to the number of cores used (8). OpenMP parallelism can be obtained just by parallelization of the row sorting and the column sorting. All the participants experimented with this possibility. This group obtained an additional (very small) reduction of the execution time by transposing the matrix before sorting the columns. Thus, sequential and OpenMP optimizations are experimented. It could be interesting to test MPI parallelism.