Comments of the organizers on the record
of problem D, contest of 2011

date: September 8, 2011

time: 626 msec, speed-up: 26.88

The three types of optimization are combined: sequential, shared-memory and message-passing.
Matrices B and D are transposed. The multiplications R1=A*Bt and R2=C*Dt are obtained. Then R2 is transposed, and R1*R2t is calculated.
The multiplications are carried out in parallel, with 4 nodes (32 cores), one process per node and using OpenMP in each node.