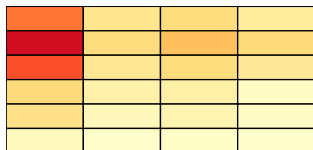
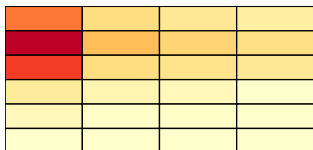


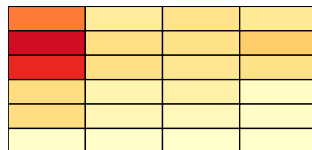
overall



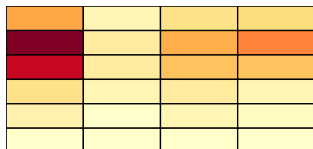
Europe:France



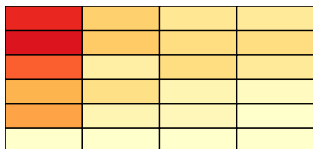
Europe:Germany



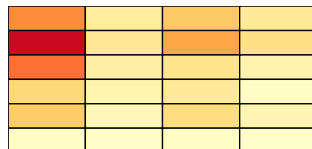
Europe:Italy



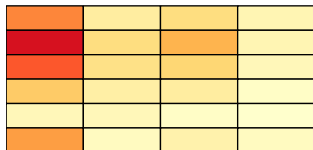
Europe:UK



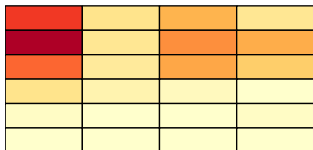
Europe:others



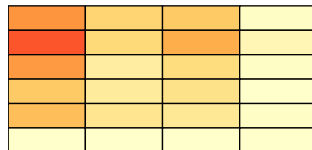
Japan



Russia



USA



Q12\*:MPI Implementation

MPICH	0	0.68	1.4	2
OMPI	2.7	3.4	4.1	4.8
Intel	5.4	6.1	6.8	7.5
MVA	8.2	8.8	9.5	10
Cray	11	12	12	13
Fujitsu	14	14	15	16

OMP

Pthread

CUDA

No

Q22\*:MPI+X