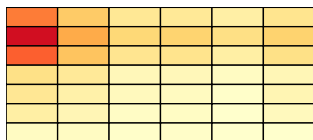
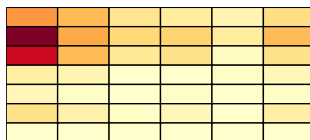


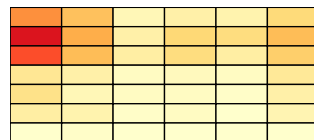
overall



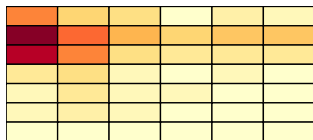
Europe:France



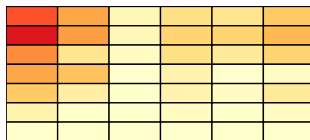
Europe:Germany



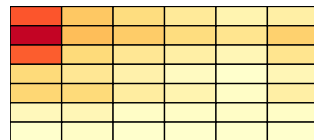
Europe:Italy



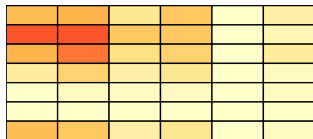
Europe:UK



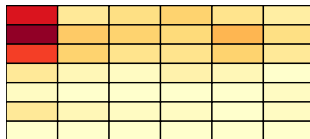
Europe:others



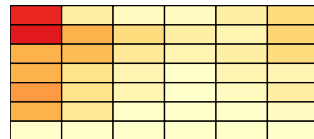
Japan



Russia



USA



Q12*:MPI Implementation

| | | | | | | |
|---------|-----|------|------|------|-----|-----|
| MPICH | 0 | 0.32 | 0.64 | 0.95 | 1.3 | 1.6 |
| OMPI | 1.9 | 2.2 | 2.5 | 2.9 | 3.2 | 3.5 |
| Intel | 3.8 | 4.1 | 4.5 | 4.8 | 5.1 | 5.4 |
| MVA | 5.7 | 6 | 6.4 | 6.7 | 7 | 7.3 |
| Cray | 7.6 | 8 | 8.3 | 8.6 | 8.9 | 9.2 |
| IBM | 9.5 | 9.9 | 10 | 11 | 11 | 11 |
| Fujitsu | 11 | 12 | 12 | 12 | 13 | 13 |

No obstacles

Too many routines

No appropriate one

Complicated

Nobody to ask

other

Q19*:MPI Obstacles