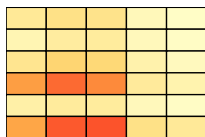
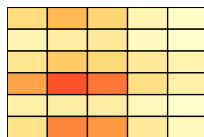


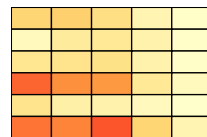
overall



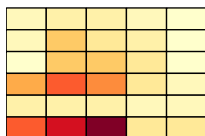
Europe:France



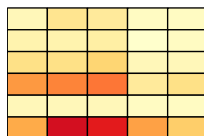
Europe:Germany



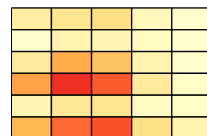
Europe:Italy



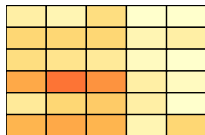
Europe:UK



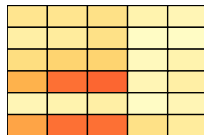
Europe:others



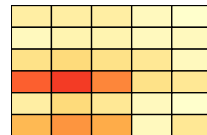
Japan



Russia



USA



Q27*:Unnecessary Features

One-sided	0	0.49	0.99	1.5	2
Communicator	2.5	3	3.5	4	4.4
Topologies	4.9	5.4	5.9	6.4	6.9
Dynamic process	7.4	7.9	8.4	8.9	9.4
Error	9.9	10	11	11	12
No unnecessary feature	12	13	13	14	14

MPI standard

Online docs

Internet

Colleagues

Books

Q14*:Checking MPI Spec.