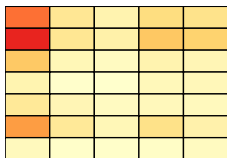
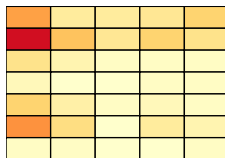


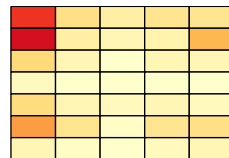
overall



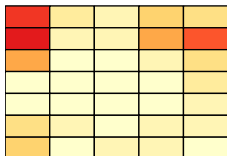
Europe:France



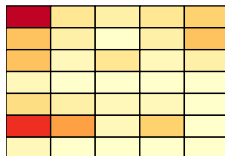
Europe:Germany



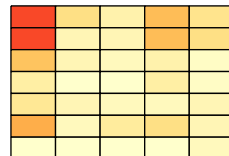
Europe:Italy



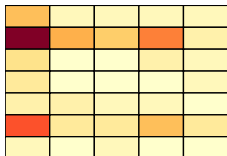
Europe:UK



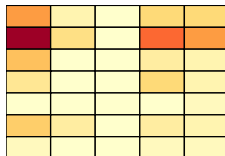
Europe:others



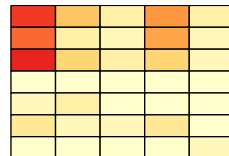
Japan



Russia



USA



Q15:MPI Difficulty

	OMP	Pthread	OACC	CUDA	No
Algorithm	0	0.55	1.1	1.6	2.2
Debugging	2.7	3.3	3.8	4.4	4.9
Decomposition	5.5	6	6.5	7.1	7.6
Finding MPI routines	8.2	8.7	9.3	9.8	10
Workaround	11	11	12	13	13
Tuning	14	14	15	15	16
other	16	17	17	18	19

Q22*:MPI+X