



Red	Red	Orange	Yellow	Yellow	Orange	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Orange	Yellow	Yellow	Yellow	Yellow	Yellow

Red	Red	Orange	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Orange	Orange	Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Red	Yellow	Yellow	Yellow	Yellow	Yellow

Red	Orange	Orange	Yellow	Yellow	Red	Yellow
Yellow	Yellow			Yellow	Orange	Yellow
		Yellow				
Yellow				Yellow	Orange	
Orange	Orange	Yellow		Yellow		



[illegible]


		Q15:MPI Difficulty						
		Algorithm	Debugging	Decomposition	Finding MPI routines	Workaround	Tuning	other
Q22*:MPI+X	OMP	0	0.55	1.1	1.6	2.2	2.7	3.3
	Pthread	3.8	4.4	4.9	5.5	6	6.5	7.1
	OACC	7.6	8.2	8.7	9.3	9.8	10	11
	CUDA	11	12	13	13	14	14	15
	No	15	16	16	17	17	18	19