

Orange	Red	Yellow	Light Yellow	Orange
Yellow	Yellow	Yellow	Light Yellow	Yellow
Yellow	Yellow	Yellow	Light Yellow	Yellow
Yellow	Yellow	Yellow	Light Yellow	Yellow
Yellow	Yellow	Yellow	Light Yellow	Yellow

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

Orange	Red	Yellow	Light Yellow	Orange
Orange	Orange	Yellow	Light Yellow	Orange
Orange	Orange	Yellow	Light Yellow	Orange
Orange	Orange	Yellow	Light Yellow	Orange
Orange	Orange	Yellow	Light Yellow	Orange

Red	Dark Red	Orange	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow
Yellow	Orange	Yellow	Yellow	Yellow
Yellow	Orange	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow

Orange	Orange	Yellow	Light Yellow	Yellow
Orange	Yellow	Yellow	Light Yellow	Orange
Orange	Yellow	Yellow	Light Yellow	Orange
Orange	Yellow	Yellow	Light Yellow	Orange
Light Yellow	Light Yellow	Light Yellow	Light Yellow	Orange

Orange	Dark Purple	Yellow	Yellow	Orange
White	Orange	Yellow	Yellow	White
Orange	White	Yellow	Yellow	Orange
Yellow	Orange	White	Yellow	White
White	Orange	White	Yellow	White

Orange	Orange	Orange	Yellow	Yellow
Orange	Orange	Yellow	Yellow	Yellow
Yellow	Yellow	Yellow	Yellow	Yellow
Orange	Yellow	Yellow	Yellow	Yellow
Orange	Yellow	Orange	Yellow	Yellow

		Q15:MPI Difficulty				
		Algorithm	Debugging	Decomposition	Finding MPI routines	Tuning
Q8*:Role	Apps	0	0.64	1.3	1.9	2.6
	Tools	3.2	3.9	4.5	5.1	5.8
	Parallelize	6.4	7.1	7.7	8.3	9
	Tuning	9.6	10	11	12	12
	OS/R	13	13	14	15	15