

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

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

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

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

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

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

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

	MPICH	OMPI	Intel	MVA	Cray	IBM	Fujitsu
Yes	0	0.65	1.3	2	2.6	3.3	3.9
Yes, but no reason	4.6	5.2	5.9	6.5	7.2	7.8	8.5
No, too small	9.1	9.8	10	11	12	12	13
No, scattered	14	14	15	16	16	17	18

Q12*:MPI Implementation