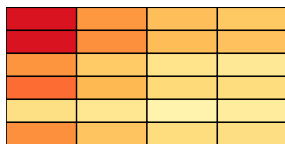
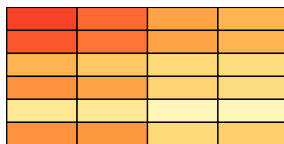


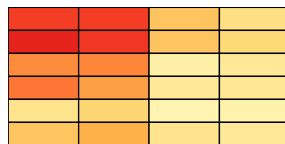
overall



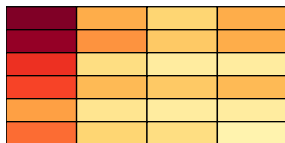
Europe:France



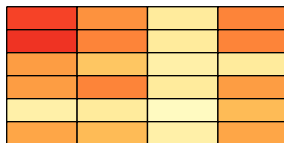
Europe:Germany



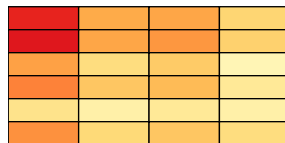
Europe:Italy



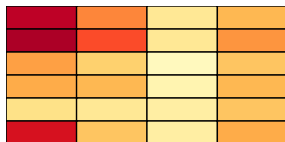
Europe:UK



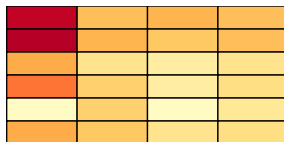
Europe:others



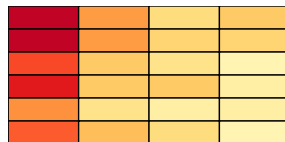
Japan



Russia



USA



Q17\*:MPI Aspects

|           |     |      |      |     |
|-----------|-----|------|------|-----|
| Pt2Pt     | 0   | 0.44 | 0.87 | 1.3 |
| Coll      | 1.7 | 2.2  | 2.6  | 3   |
| Comm Ops  | 3.5 | 3.9  | 4.4  | 4.8 |
| Datatypes | 5.2 | 5.7  | 6.1  | 6.5 |
| One-sided | 7   | 7.4  | 7.8  | 8.3 |
| w/ OMP    | 8.7 | 9.1  | 9.6  | 10  |

Very important

Versioned API

New API for performance

New API for easier-to-use

Q28:Backward Compatibility