

Experiment Info:

machine: 6 core laptop with 12 threads

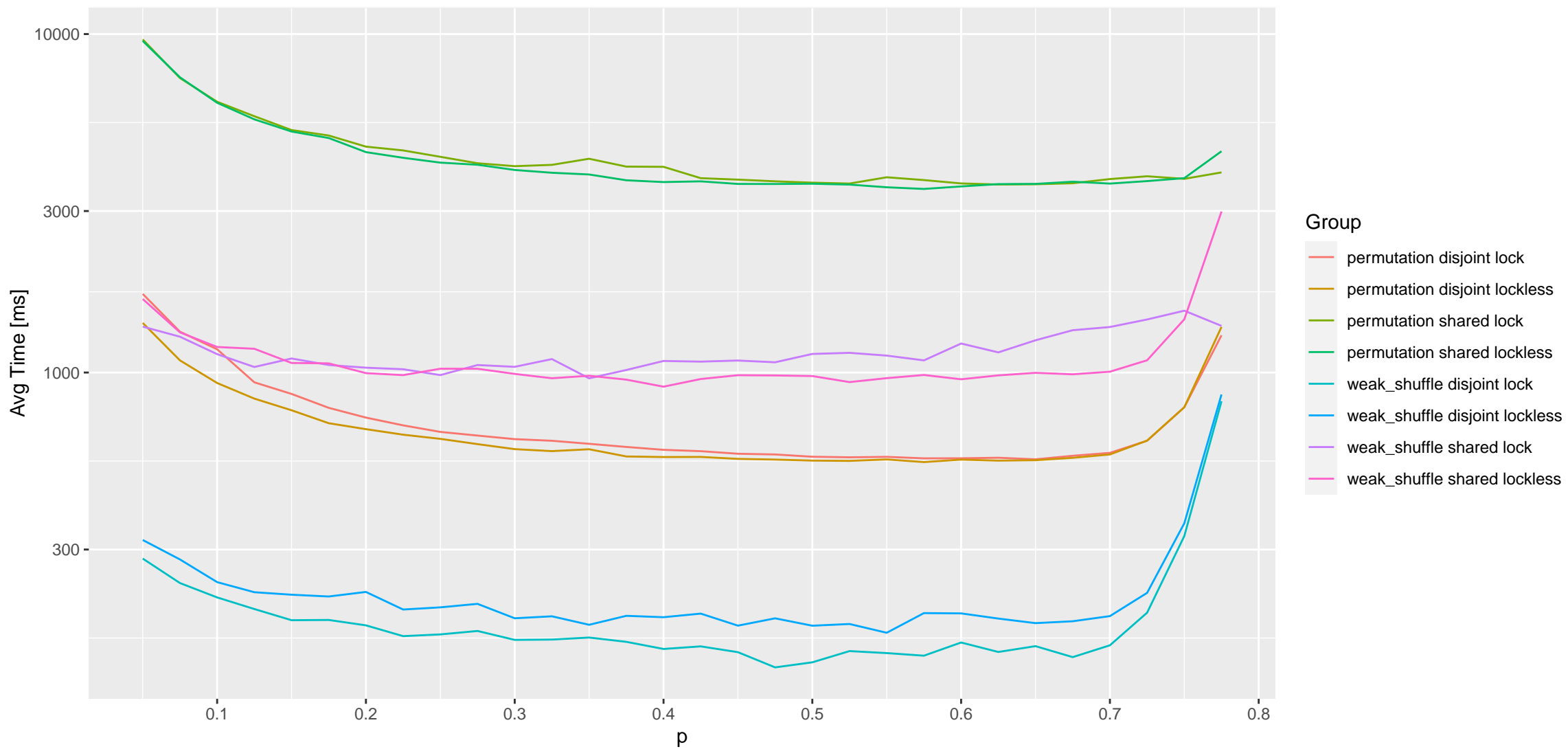
Shuffling:

- permutation: `std::shuffle` (n random swaps)
- weak-shuffle: n random swaps with adjacent elements in the array

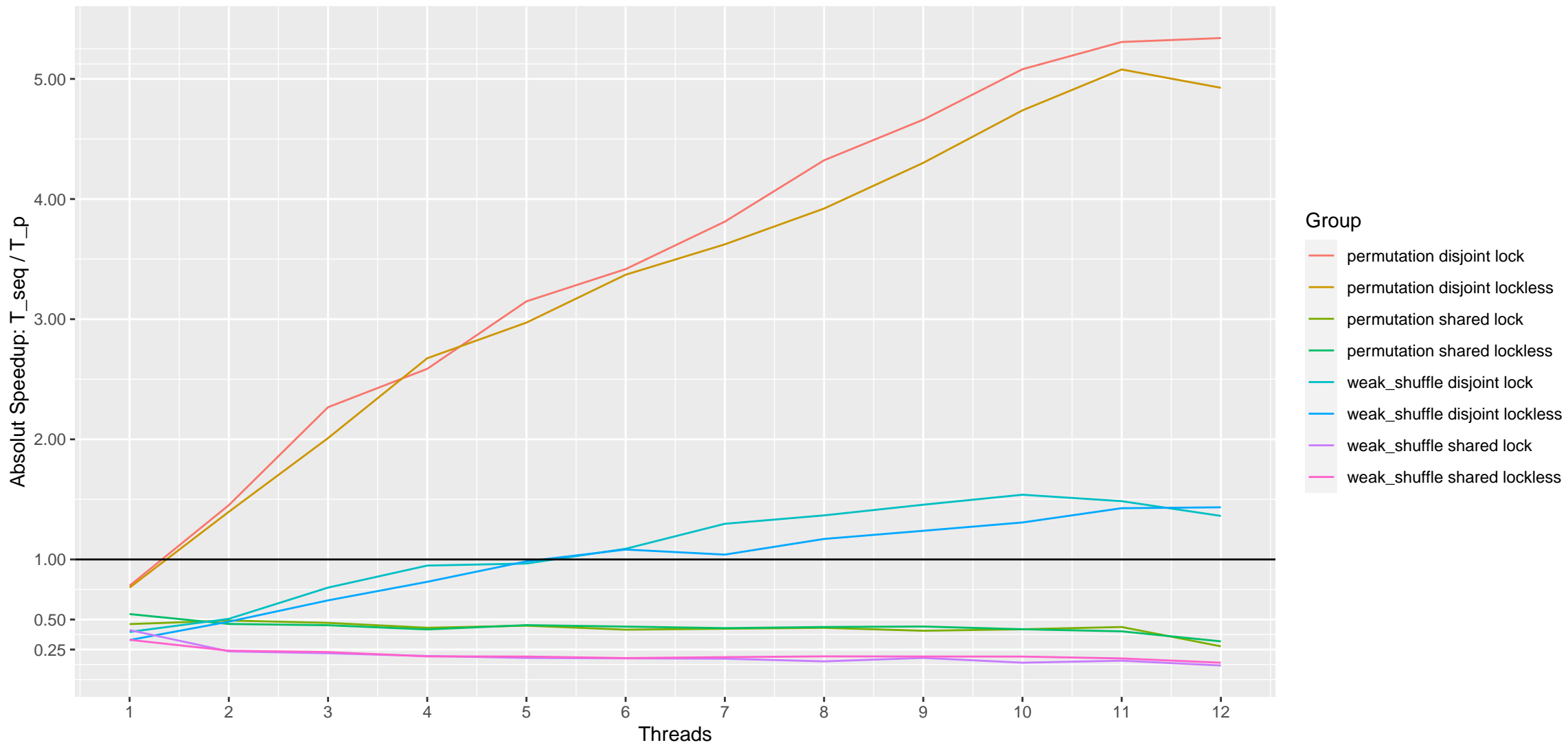
Benchmark: 5 iterations, 20% insert, 20% remove, 60% search, Key = Value = int

- Disjoint: the shuffled permutation is equally divided to each thread
- Shared:: the shuffled permutation is given to each thread

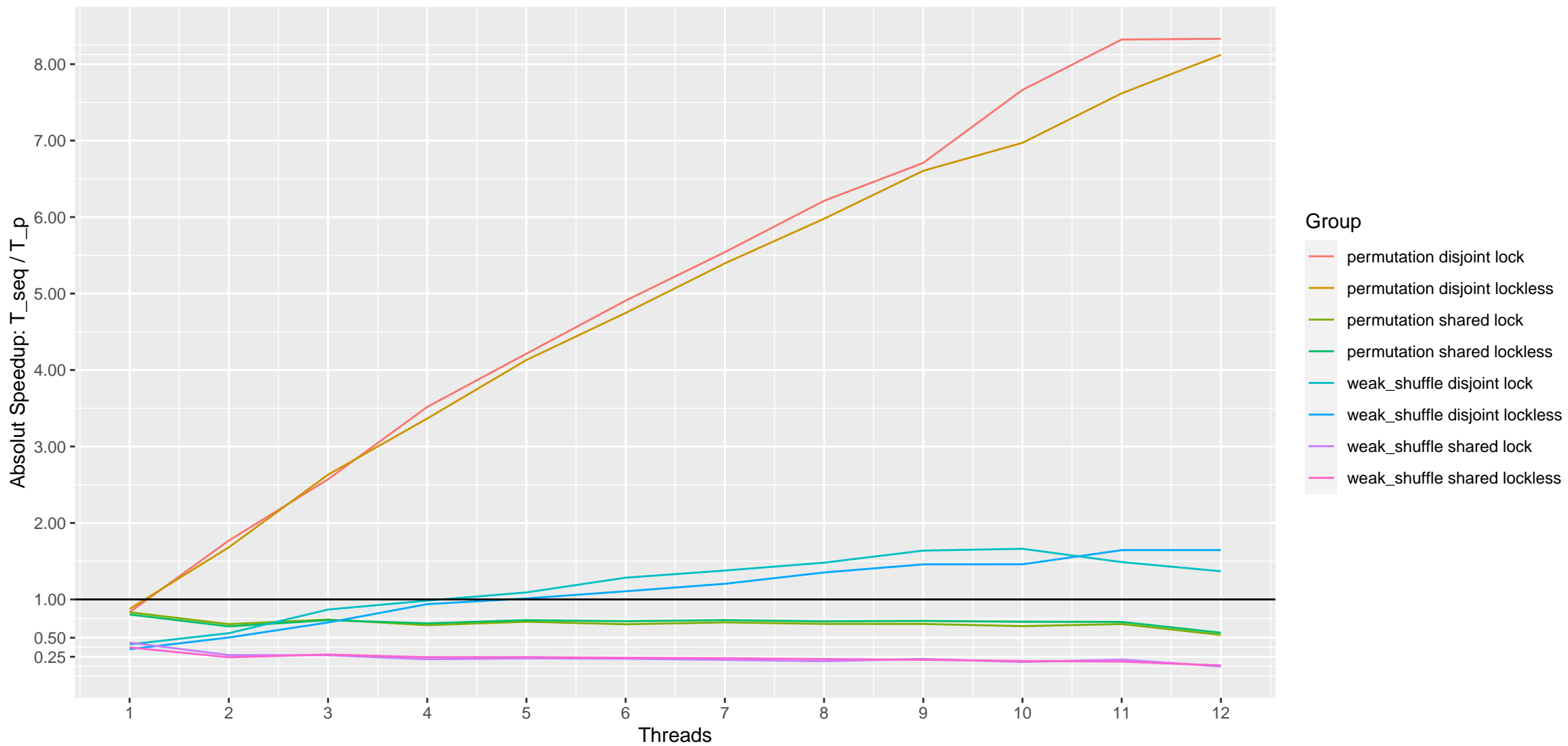
Average runtime by probability p

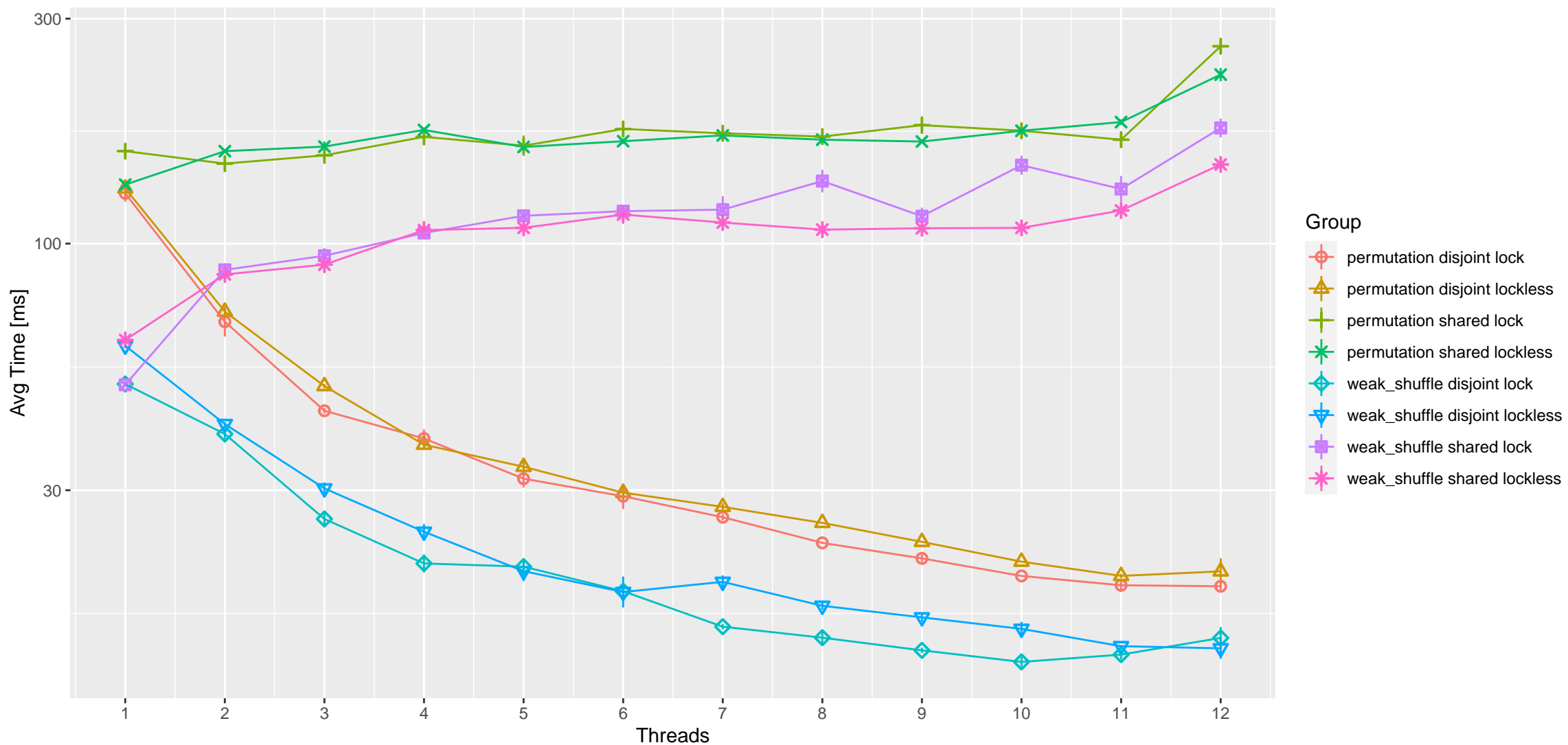


Absolut speedups, n = 1e+05

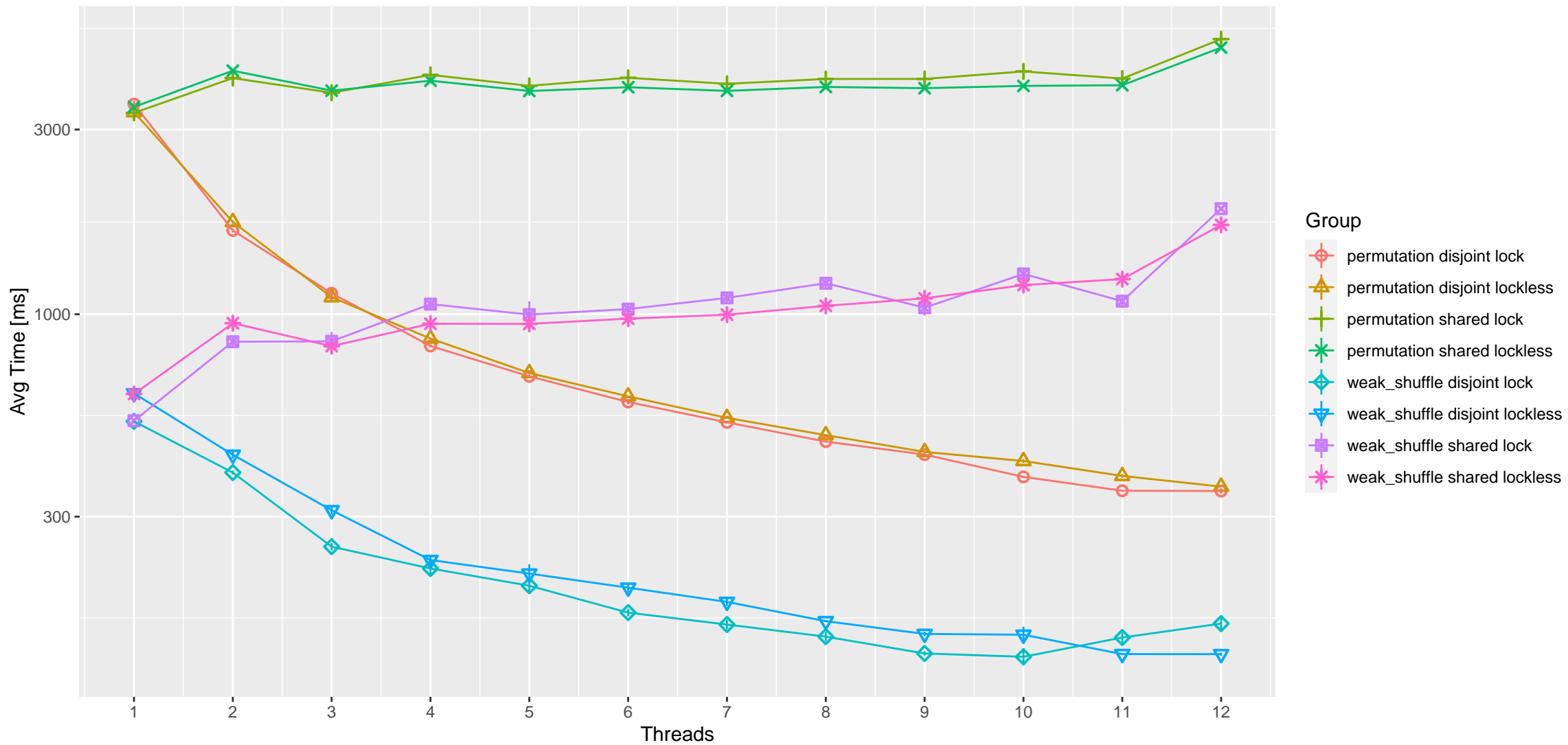


Absolut speedups, n = 1e+06

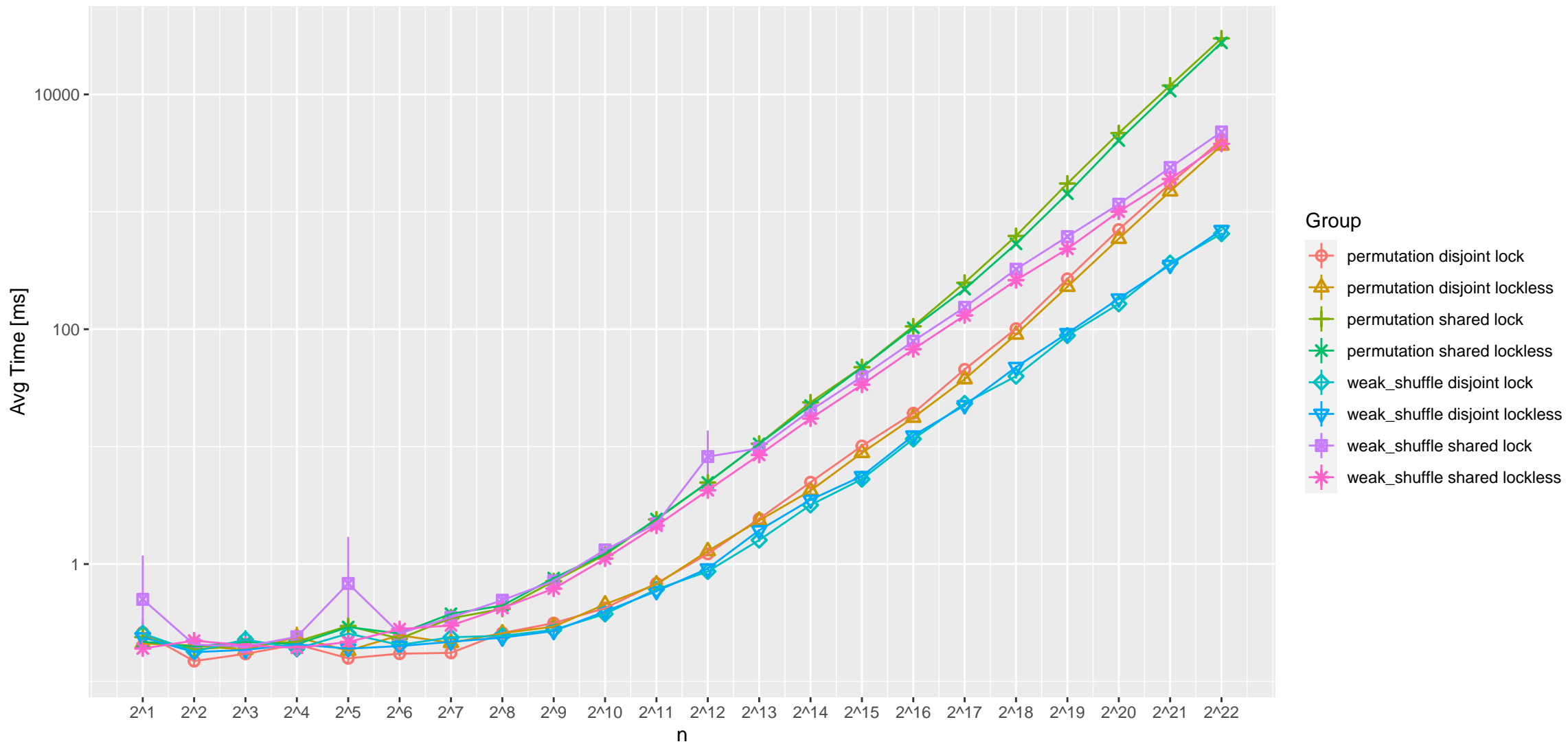


Average runtime by threads, $n = 1e+05$ 

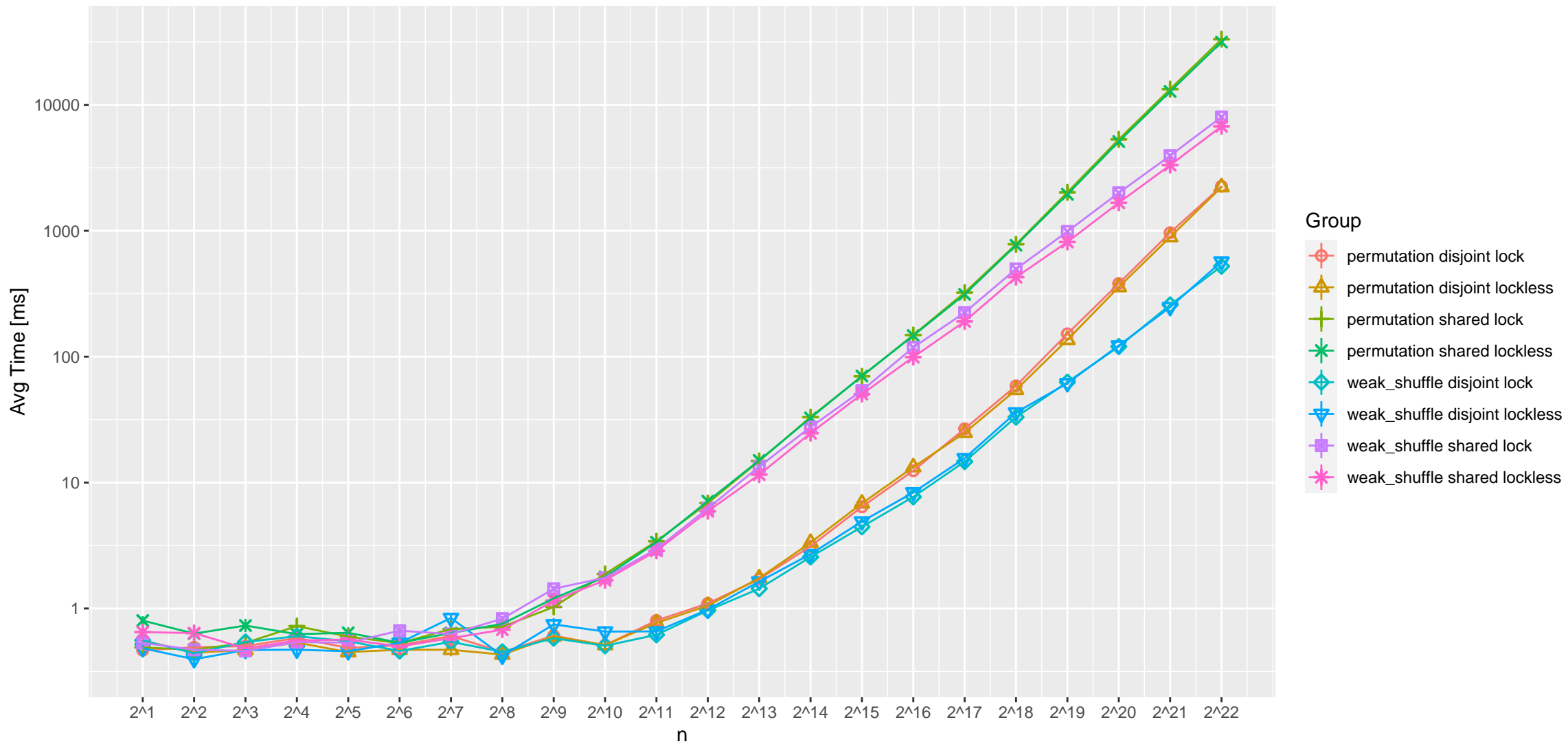
Average runtime by threads, $n = 1e+06$



Average runtime by n, threads = 6



Average runtime by n, threads = 12



Fraction of repeated finds for 6 and 12 threads, n = 10e6

