

Measurements

- Input file sizes: 1 000 000 numbers
- k: 1000

Results

	findtopk	findtopk_m	findtopk_t
N = 1	0:04.90	0:04.91	0:05.46
N = 2	0:05.63	0:05.80	0:06.08
N = 3	0:06.55	0:06.75	0:06.72

Conclusion

Actually I was expecting the results in reverse order. Such as program that uses threads should be fastest. However it didn't happen that way. For all functions reading from file and merging in the main process shares the same code. Therefore time differences should be while communicating. The reason the threads are the slowest maybe that posix library is implemented as user level library therefore we can't get real parallelism from it.