To find the optimal cutoff and the number of threads, I wrote a loop that changes the size of the cutoff from 100 to 1'000'000 in steps of the previous cutoff times 10.
And the threads I tested the program for 2, 4, 8, 16, 32, 64, 128 threads for each cutoff size

Programm snippet:

```
for(int i = 100; i <= 1000000; i = i * 10) {
   for(int j = 2; j <= 128; j = j * 2) {
      System.out.println("Testing  program with " + i + " cutoff and " + j + " threads");
      taskB(input, i, Workload.Type.HEAVY, j);
   }
}
```

Threads	Cutoff Size	Time elapsed (ms)
2	100	94
4	100	31
8	100	47
16	100	47
32	100	47
64	100	31
128	100	47
2	1000	31
4	1000	63
8	1000	62
16	1000	47
32	1000	32
64	1000	46
128	1000	32
2	10000	47
4	10000	62
8	10000	78
16	10000	31
32	10000	47
64	10000	32
128	10000	46
2	100000	110
4	100000	94
8	100000	109
16	100000	78
32	100000	203
64	100000	110
128	100000	93
2	1000000	110
4	1000000	109
8	1000000	78
16	1000000	78
32	1000000	63
64	1000000	62
128	1000000	63

Optimal params are highlighted