

```
194
195
196
197
198
199
real    0m4.820s
user    0m4.781s
sys     0m0.034s
[4260939@jenna optimizationTask]$ diff data_out original_data_out
[4260939@jenna optimizationTask]$
```

As can be seen, with all the optimizations made, the fastest time recorded was 4.820s with 4.762s being the fastest time ever obtained.