

## Testes de tempo Lab 05

TPCP --> Trapézio Paralelo Com Print

TPSP --> Trapézio Paralelo Sem Print

TSSP --> Trapézio Serial Sem Print

TSCP --> Trapézio Serial Com Print

```
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ gcc tpcp.c -o tpcp.exe -fopenmp -lm
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ gcc tpssp.c -o tpssp.exe -fopenmp -lm
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ gcc tssp.c -o tssp.exe -lm
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ gcc tscp.c -o tscp.exe -lm
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tscp.c
-bash: ./tscp.c: Permission denied

real    0m0.001s
user    0m0.001s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tssp.exe

real    0m0.001s
user    0m0.001s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tscp.exe

9732190326667673376892817862873791024707137890041812278242760900198042738820789081981640992912663220263610018603
8315846887758641843909537704986698200164407543043820791496059261436526182939050026039273665378795982246972304908

real    0m0.001s
user    0m0.001s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tpcp.exe

9732190326667673376892817862873791024707137890041812278242760900198042738820789081981640992912663220263610018603
8315846887758641843909537704986698200164407543043820791496059261436526182939050026039273665378795982246972304908

real    0m0.004s
user    0m0.002s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tscp.exe

9732190326667673376892817862873791024707137890041812278242760900198042738820789081981640992912663220263610018603
8315846887758641843909537704986698200164407543043820791496059261436526182939050026039273665378795982246972304908

real    0m0.001s
user    0m0.001s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tpssp.exe

real    0m0.001s
user    0m0.001s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tscp.exe
```

Fizemos testes com versões com e sem print para validar a influência.

O tempo pode variar de acordo com a execução, mas não conseguimos melhorar o tempo em relação a versão serial.

```
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tssp.exe

real    0m0.001s
user    0m0.001s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tscp.exe

97321903266676733768928178628737910247071378900418122782427609001980427388207890819816409929126632202636100186035
83158468877586418439095377049866982001644075430438207914960592614365261829390500260392736653787959822469723049082

real    0m0.001s
user    0m0.001s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tpsp.exe

real    0m0.001s
user    0m0.001s
sys     0m0.000s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ time ./tcp.exe

97321903266676733768928178628737910247071378900418122782427609001980427388207890819816409929126632202636100186035
83158468877586418439095377049866982001644075430438207914960592614365261829390500260392736653787959822469723049082

real    0m0.001s
user    0m0.000s
sys     0m0.002s
ubuntu@ip-172-31-7-206:~/Os-Crias-e-o-Augusto-Paralelos/Aula06$ █
```