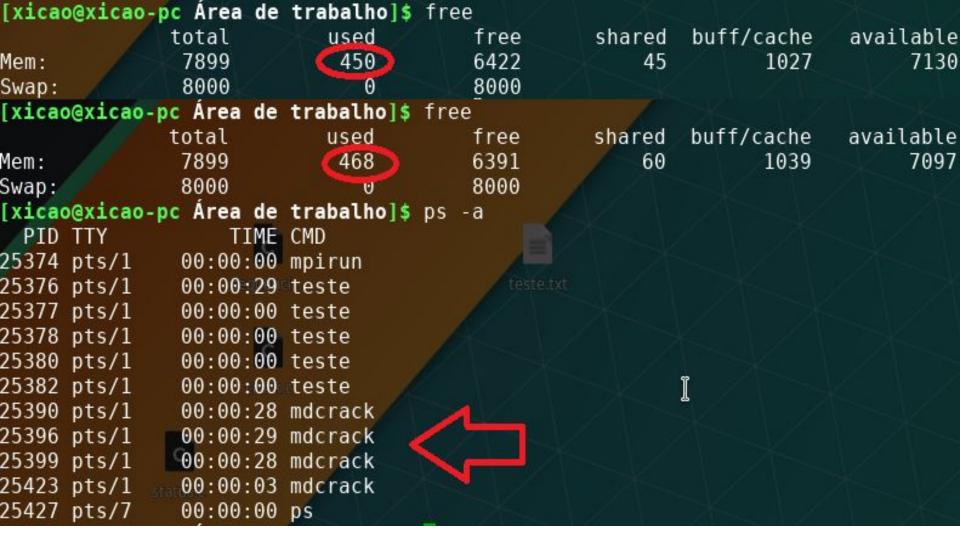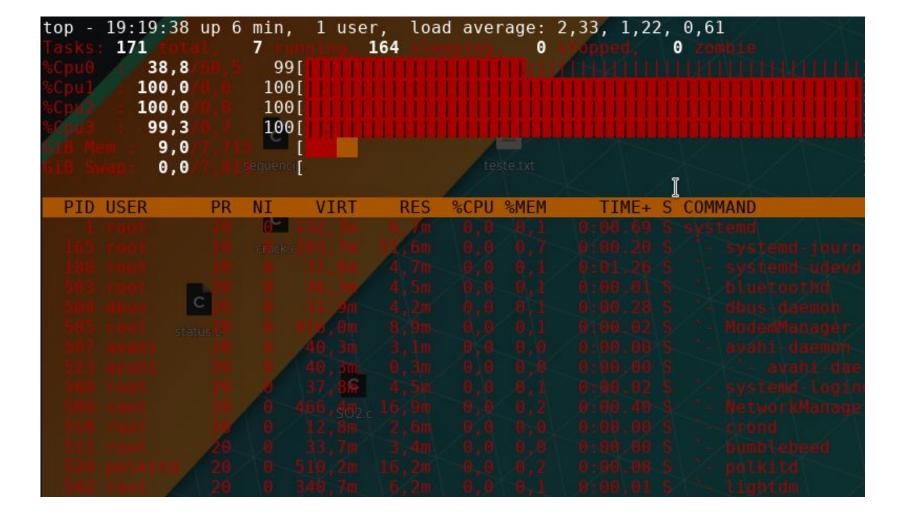# PROGRAMAÇÃO PARALELA - T8

Francisco Tassinari Fajardo

João Gonçalves Machado

```
Collision(s) tested : 6216500450 in 715 second(s), 304 millisec, 956 microsec.
Average of 8690700.0 hashes/sec.

Tempo: 979805989
>clunky
>old
>with
>in
>mdcrack
>front
>is
>not
>some
>of
>progpar
>it
>an
>douglas
>adams
>where
>message
```

```
>the
>mind
>and
>body
>can
>connect
>with
>the
>and
>move
>bits
>about
```

```
[xicao@xicao-pc Área de trabalho]$ free
              total        used        free      shared  buff/cache   available
Mem:           7899         450        6422          45        1027        7130
Swap:          8000           0        8000
[xicao@xicao-pc Área de trabalho]$ free
              total        used        free      shared  buff/cache   available
Mem:           7899         468        6391          60        1039        7097
Swap:          8000           0        8000
[xicao@xicao-pc Área de trabalho]$ ps -a
  PID TTY          TIME CMD
25374 pts/1    00:00:00 mpirun
25376 pts/1    00:00:29 teste
25377 pts/1    00:00:00 teste
25378 pts/1    00:00:00 teste
25380 pts/1    00:00:00 teste
25382 pts/1    00:00:00 teste
25390 pts/1    00:00:28 mdcrack
25396 pts/1    00:00:29 mdcrack
25399 pts/1    00:00:28 mdcrack
25423 pts/1    00:00:03 mdcrack
25427 pts/7    00:00:00 ps
```

```
top - 19:19:38 up 6 min,  1 user,  load average: 2,33, 1,22, 0,61
Tasks: 171 total,   7 running,  164 sleeping,    0 stopped,    0 zombie
%Cpu0  :   38,8/60,5     99[||||||||||||||||||||||||||||||||||||||||||||||||||||
%Cpu1  :  100,0/0,0     100[||||||||||||||||||||||||||||||||||||||||||||||||||||
%Cpu2  :  100,0/0,0     100[||||||||||||||||||||||||||||||||||||||||||||||||||||
%Cpu3  :   99,3/0,7     100[||||||||||||||||||||||||||||||||||||||||||||||||||||
GiB Mem :    9,0/7,715     [
GiB Swap:    0,0/7,81      [

  PID USER       PR  NI    VIRT    RES  %CPU %MEM     TIME+ S COMMAND
    1 root       20   0  132,3m   6,9m   0,0  0,1   0:00.69 S systemd
  165 root       20   0  303,7m  51,6m   0,0  0,7   0:00.20 S  `- systemd-journ-
  188 root       20   0   32,8m   4,7m   0,0  0,1   0:01.26 S  `- systemd-udevd
  503 root       20   0   36,3m   4,5m   0,0  0,1   0:00.01 S  `- bluetoothd
  504 dbus       20   0   32,9m   4,2m   0,0  0,1   0:00.28 S  `- dbus-daemon
  505 root       20   0  410,0m   8,9m   0,0  0,1   0:00.02 S  `- ModemManager
  507 avahi      20   0   40,3m   3,1m   0,0  0,0   0:00.00 S  `- avahi-daemon
  521 avahi      20   0   40,3m   0,3m   0,0  0,0   0:00.00 S      `- avahi-dae-
  588 root       20   0   37,8m   4,5m   0,0  0,1   0:00.02 S  `- systemd-login-
  500 root       20   0  466,4m  16,9m   0,0  0,2   0:00.40 S  `- NetworkManage-
  510 root       20   0   12,8m   2,6m   0,0  0,0   0:00.00 S  `- crond
  511 root       20   0   33,7m   3,4m   0,0  0,0   0:00.00 S  `- bumblebeed
  529 polkitd    20   0  510,2m  16,2m   0,0  0,2   0:00.08 S  `- polkitd
  542 root       20   0  340,7m   6,2m   0,0  0,1   0:00.01 S  `- lightdm
```

```
2682 pts/4   -s 00:00:00 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2683 pts/4   -s 00:00:00 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2686 pts/4   -s 00:00:00 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2687 pts/4   -s 00:00:00 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2689 pts/4   -s 00:00:00 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2693 pts/4   -s 00:00:00 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2694 pts/4   -s 00:00:00 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2696 pts/4   -s 00:00:00 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2697 pts/4   -s 00:00:01 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2700 pts/4   -s 00:00:01 teste opqrstuvwxyz 2bb68160275b31645264d1460803475e
2703 pts/4      00:00:01 teste
2704 pts/4      00:00:01 teste
2708 pts/4      00:00:17 mdcrack
2709 pts/4      00:00:17 mdcrack
2710 pts/4      00:00:24 mdcrack
2711 pts/4      00:00:17 mdcrack
2712 pts/4      00:00:17 mdcrack
2713 pts/4      00:00:17 mdcrack
2714 pts/4      00:00:17 mdcrack
2715 pts/4      00:00:17 mdcrack
2716 pts/4      00:00:17 mdcrack
2717 pts/4      00:00:17 mdcrack
2725 pts/1      00:00:00 ps
```