The maximum size of matrix that we can multiply(in terms of r 1 * c 2) is around 9500. This is because the maximum user process for our machine is 30426

```
aryan@lenovo-ubuntu:~$ ulimit -u
30426
aryan@lenovo-ubuntu:~$
```

Thus we can create around (9500/30426*100) 31% child processes of the maximum number of processes. At any given instant at most 8 processes can run parallely which decreases the total time of computation for matrix multiplication by a factor of 4.

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