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Part1 b)
In our system, **32768** is the maximum theoretical value of PID_MAX. Only PID_MAX processes can run concurrently. We got this number by command: **cat /proc/sys/kernal/pid_max**

BTW, the practical number of processes is much more limited by available resources. For our system, we used the command **RLIMIT_NPROC** to find the practical limit of child processes which can run concurrently which gives value **6591**.

Let dimension of matrix A is r1xc1 and dimension of matrix B is r2xc2.
Then the dimension of the resultant C matrix is r1xc2.
Total number of child processes our program is creating = r1*c2
Total number of processes supported by our system = 6591
So, for complete concurrency

r1*c2 <=6591