No because in suspended state, a process could do nothing.

Example: Suppose there are two processes

① Producer

② Consumer

Suppose consumer is producing lot of data and producer is not able to consume all of them then it could suspend the process for a while and resume it later.

new pid ()

* when we create a new process, somebody has to decide what is going to be the process id. newpid() job is this part.

* Check

└─→ If there is space in process table or not. Because XINU allows limited number of processes.

└─→ Kernel also suggest to have a limit because it takes memory.

└─→ it goes through NPROC (max no. of processes that could exist)

checks nextpid for each entry

        ↳ type is static

                  ↳ access a
                       global variable

if its free

    ↳
    nextpid ++

*   Complexity : $O(n)$