

1) OS. builds the translation map for each process during loading

△ user's process request on

How much memory will be needed.

○ OS. knows where to allocate

2) Whether the translation map

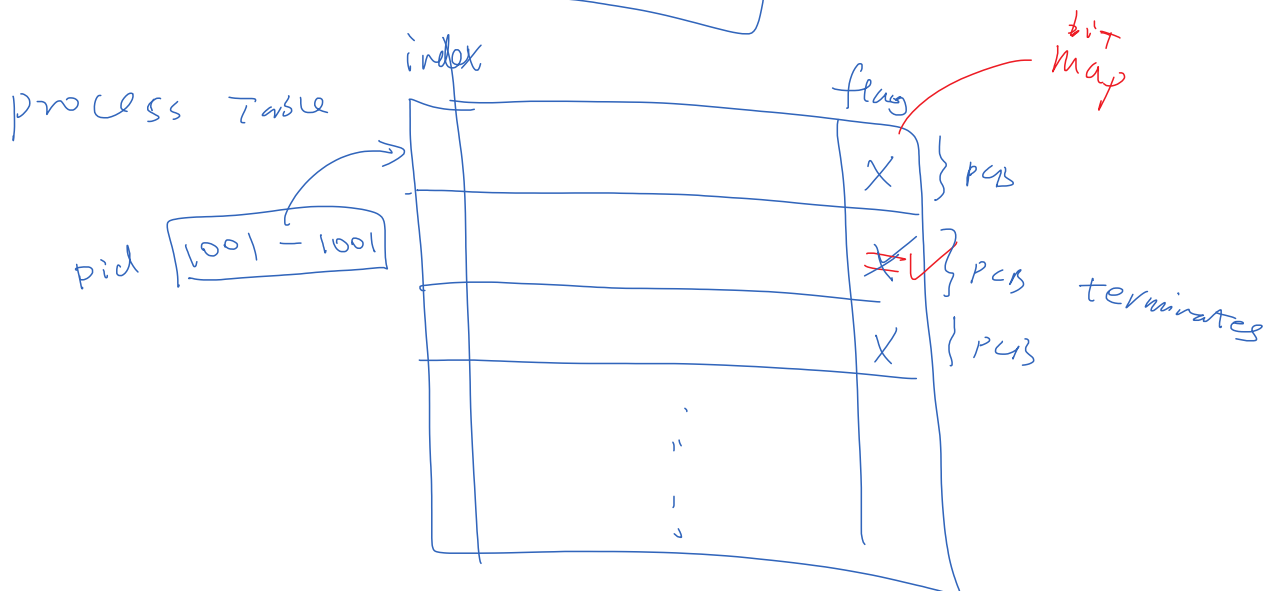
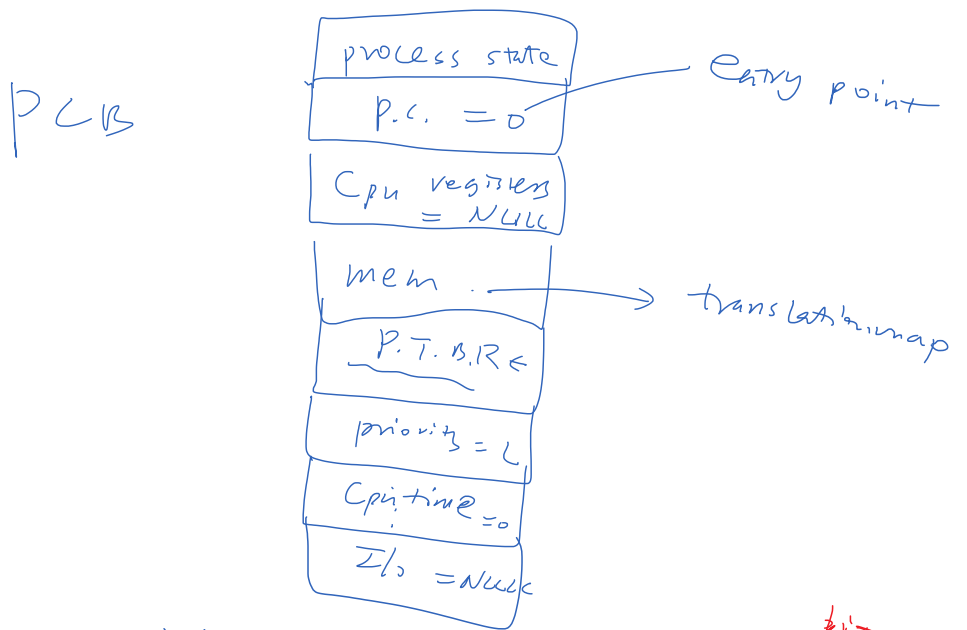
would be modified during process execution?

2.1) what condition?

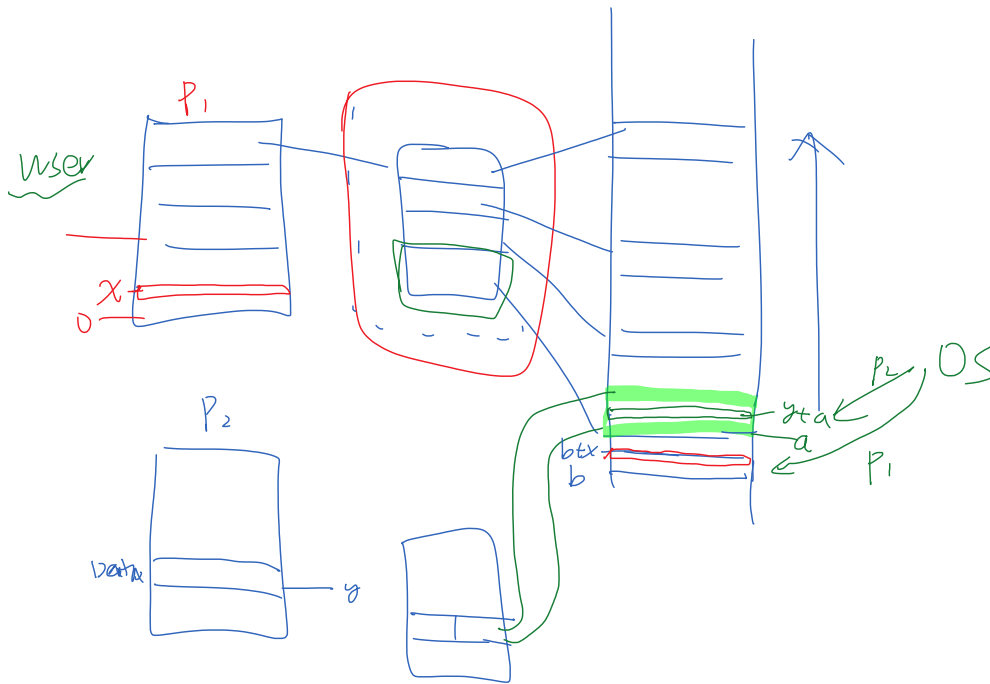
Swapping → translation map would be destroyed.

PCB is unique for each process.

managed in kernel mem by O.S.



PCB would be updated whenever OS gains control of the cpu



save state  $\rightarrow$  PCB<sub>0</sub>

load PCB<sub>1</sub>  $\rightarrow$  state

1<sup>st</sup> I/O

2<sup>nd</sup> sys call

Query FS... to know the phy parameters  
 $\rightarrow$  I/O device Controller

Cpu time

(Cpu) Scheduling

dispatching

13