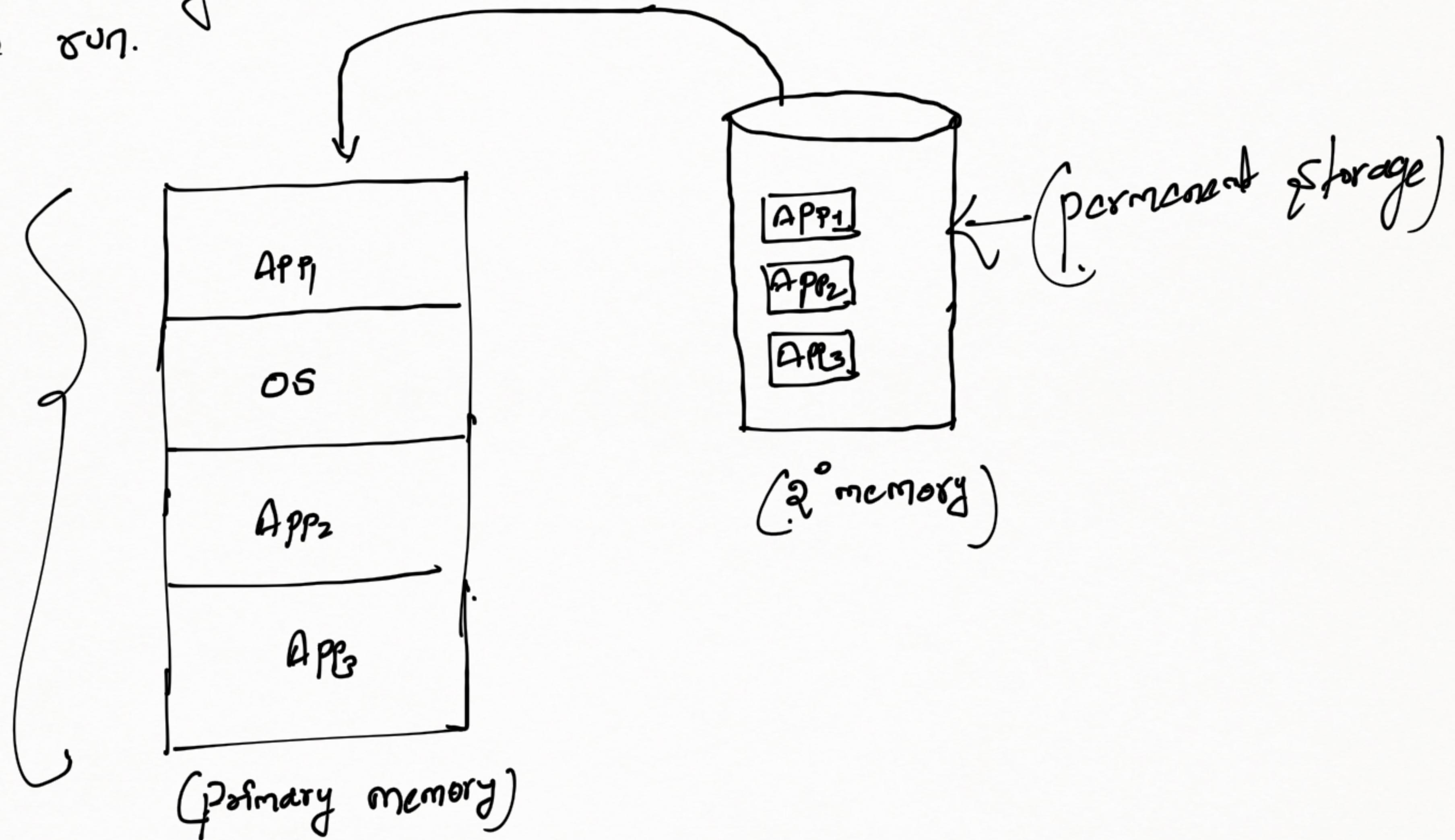


Date: 3-12-21

MEMORY MANAGEMENT

- When any program (or any application) ready to execute then memory manager responsibility is providing space for application.
- When a process is ready for execution by the h/w then it is first loaded into primary memory, after that process (program) is executed by the processor (h/w).
- Primary memory always contains applications which are currently ready for execution.

→ If primary memory size is more than many applications are possible to run.

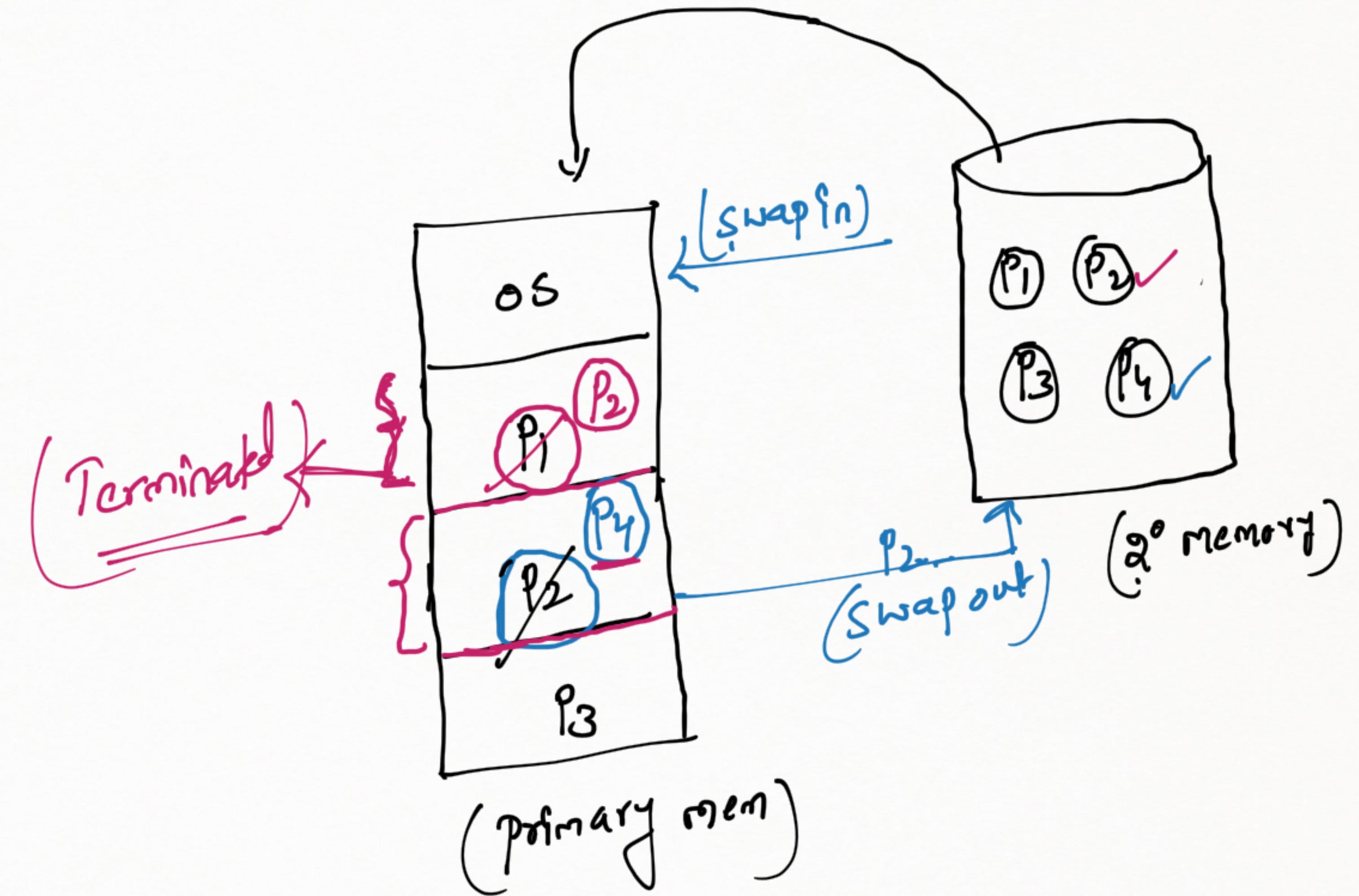


Memory management Requirements

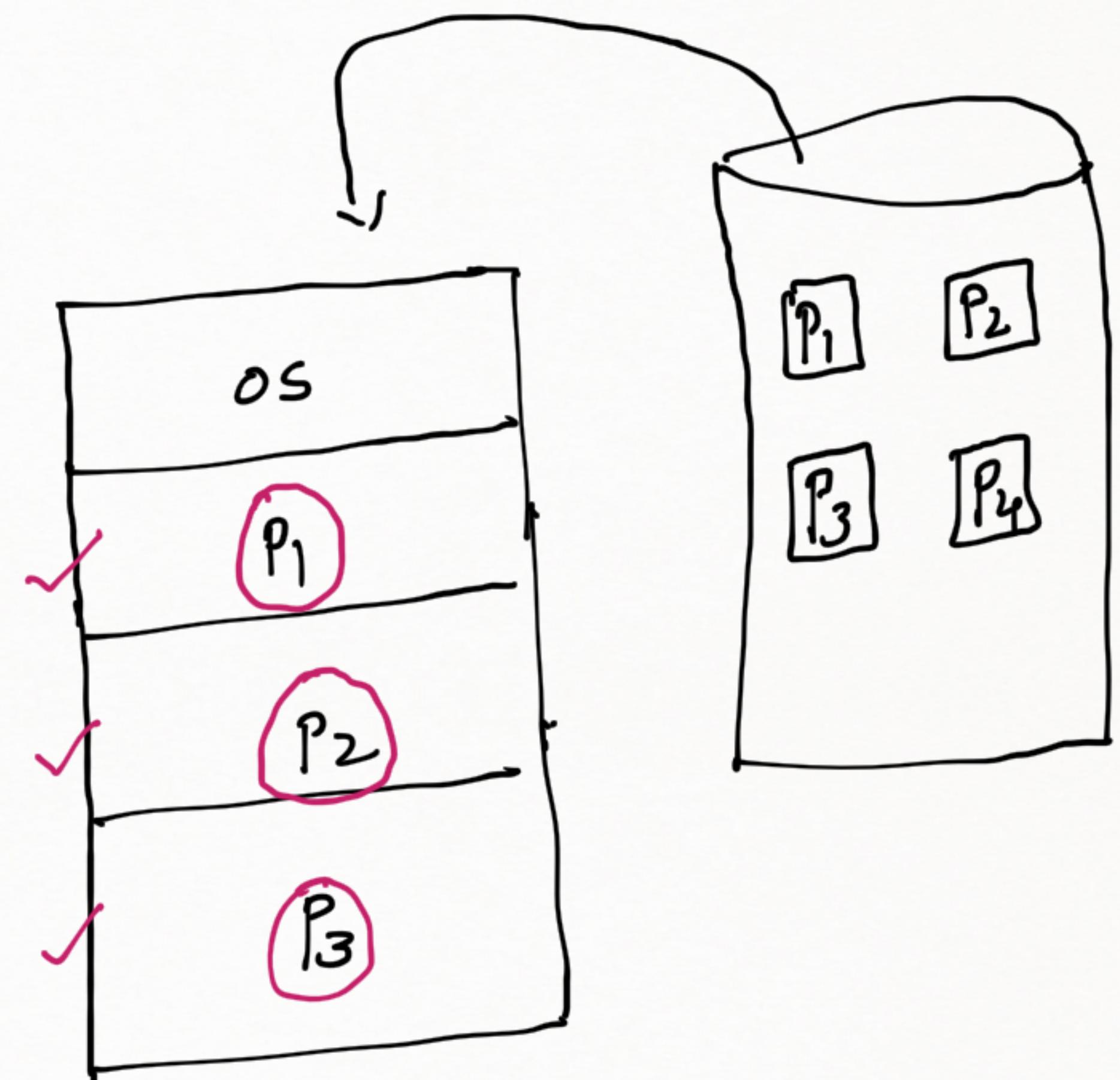
Memory management requirements are

- Relocation
- protection
- Sharing
- logical organization
- physical organization

Relocation ✓

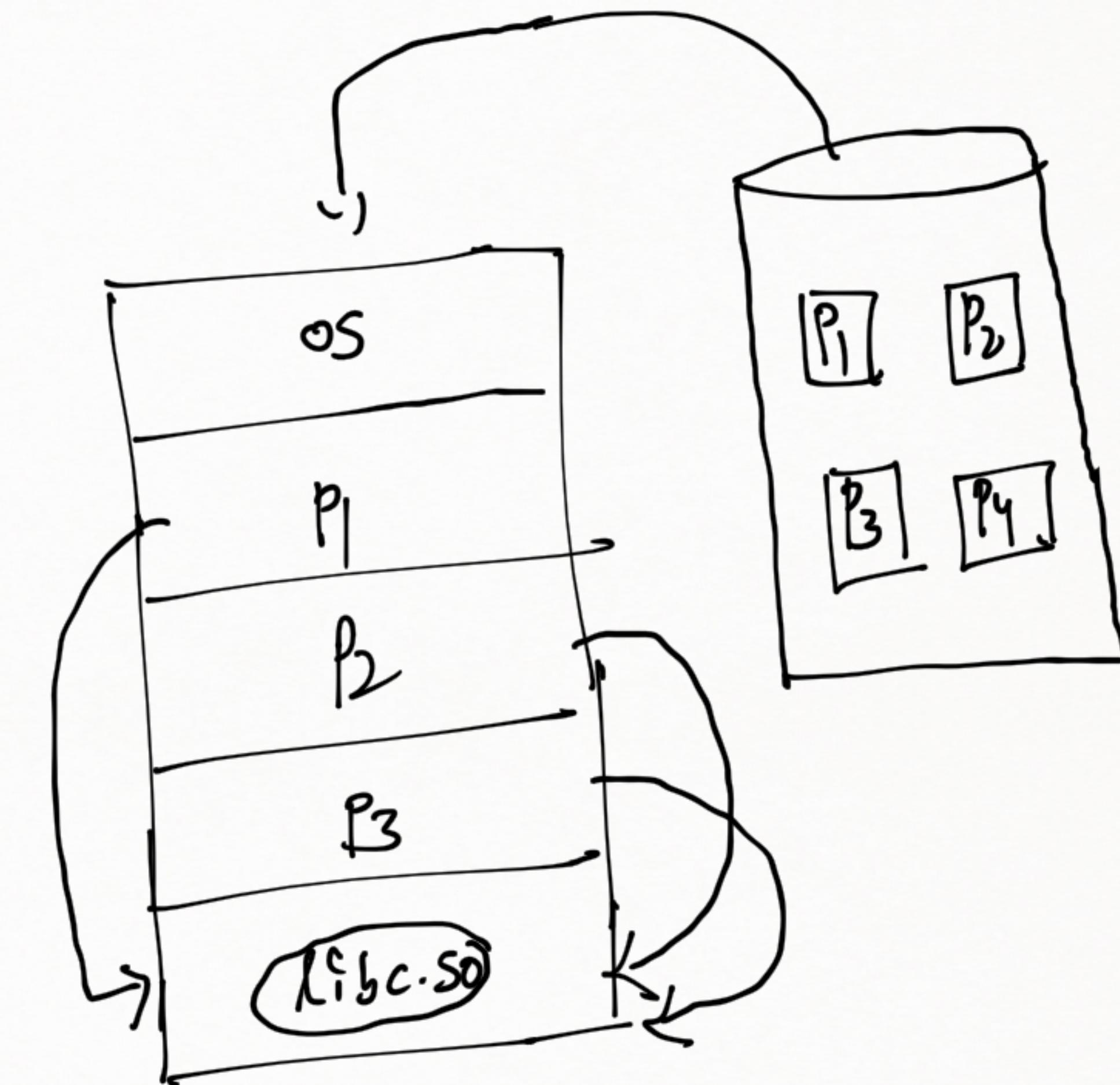
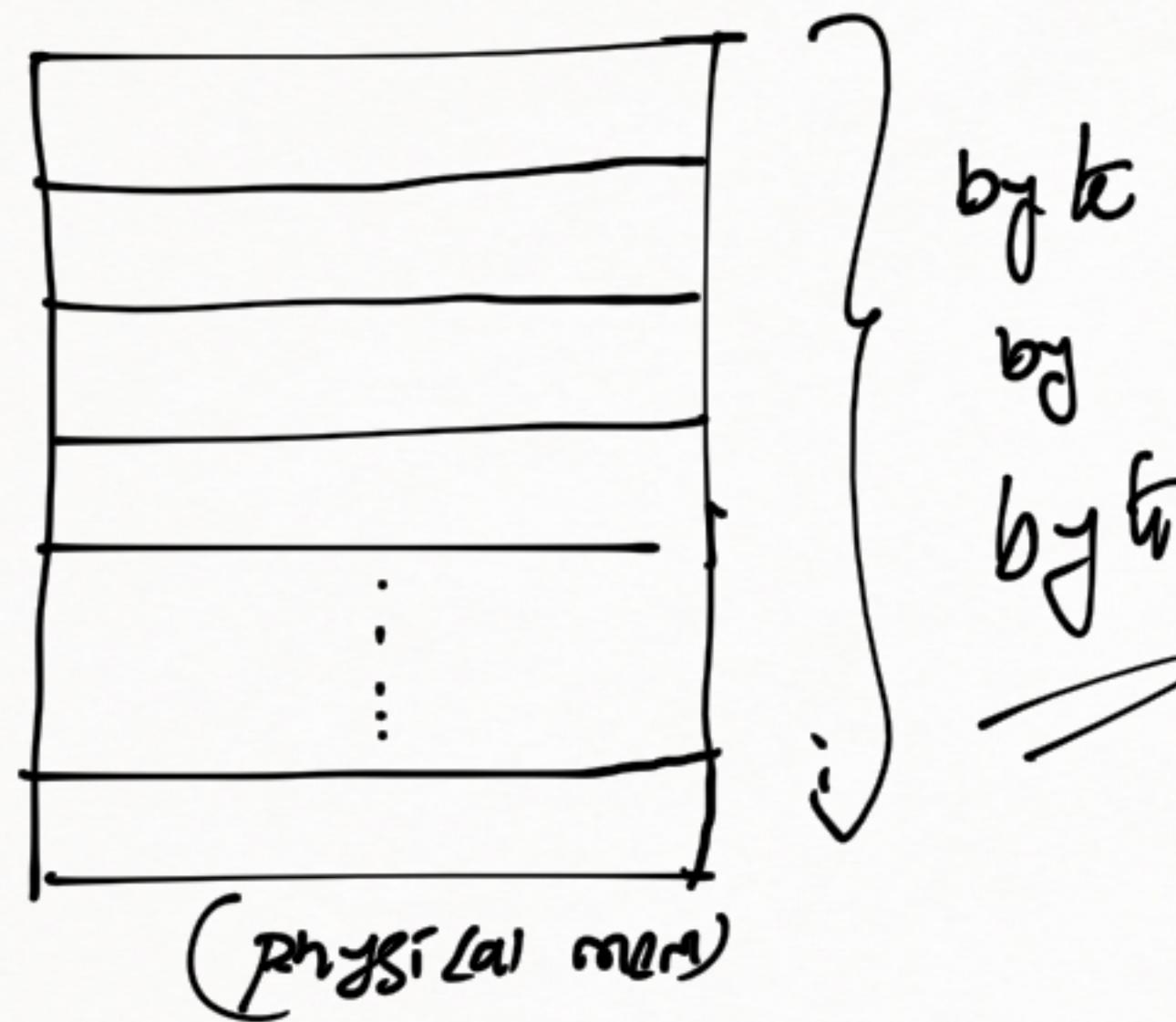


PROtection:



SHARING

logical organization



- Now a days all modern operating systems are using virtual memory concept to manage the RAM [Primary memory] efficiently.
- But before the invention of all the techniques followed by the OS are memory partition