

## VIRTUAL MEMORY:

If there is a process whose size is greater than the M/M itself, then the user is given an illusion that even a large process like that can be placed in M/M. Though the size of M/M is finite, the process size can be much larger than that.

LAS = Logical Address Space(Hard disc)

Only the required pages from each process will get their places in M/M rather than an entire process.

Swap in, swap out = We are not keeping the pages permanently in M/M. So, after a while the existing pages of a process can be replaced by some other pages of a new process. This is called Swap in, Swap out.

Page Fault = If a process's page is absent in the page table; means that page has not been placed in M/M, then it will show 'invalid bit' and this phenomenon will be called Page Fault.

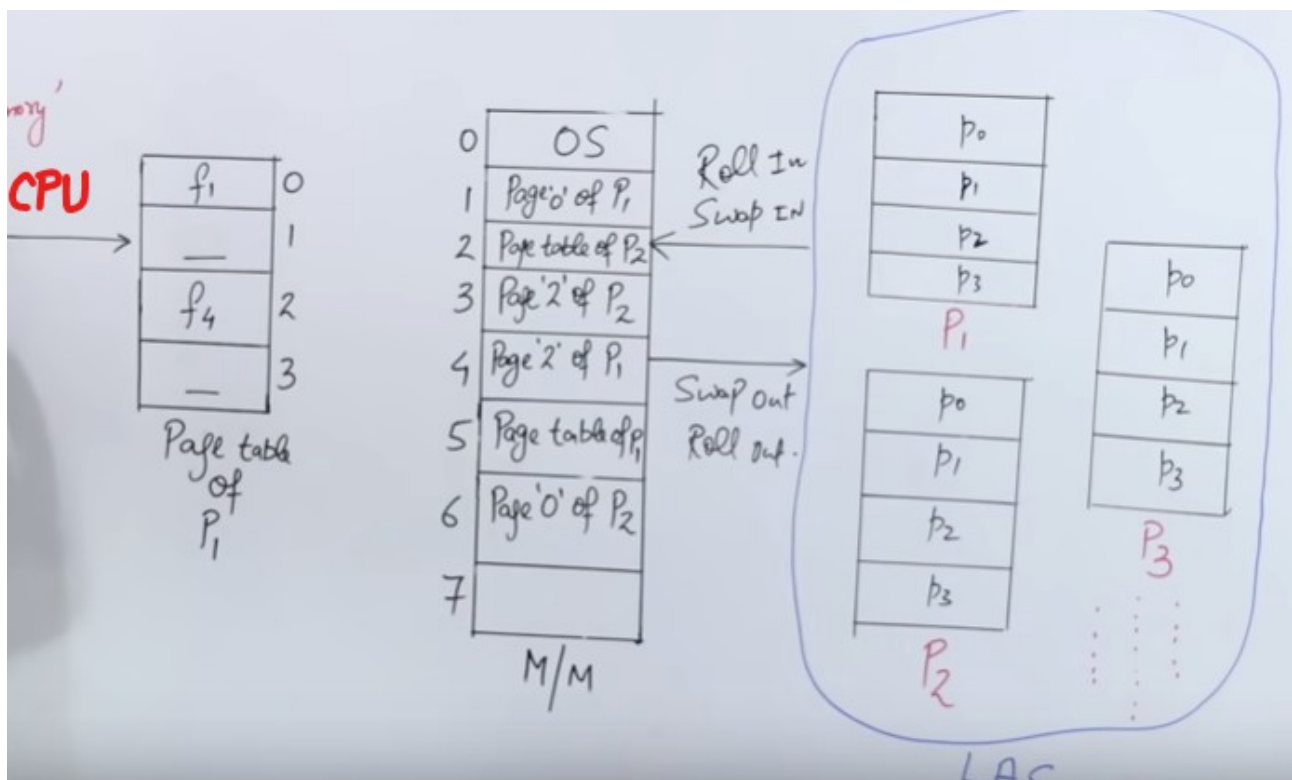


Figure 1: VM



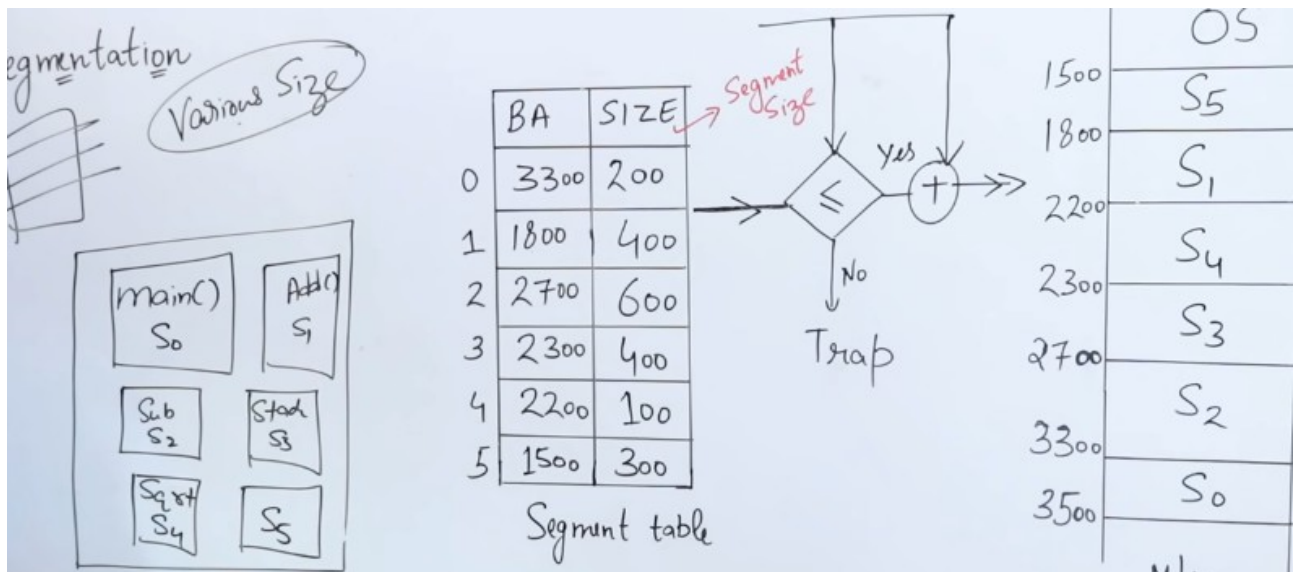


Figure 4:

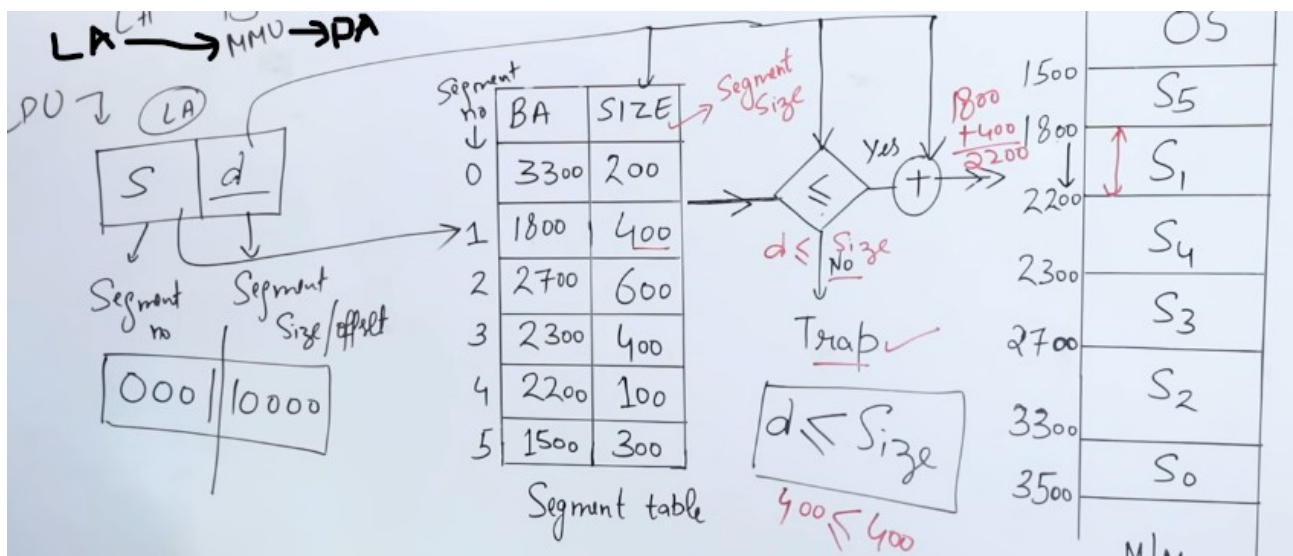


Figure 5: