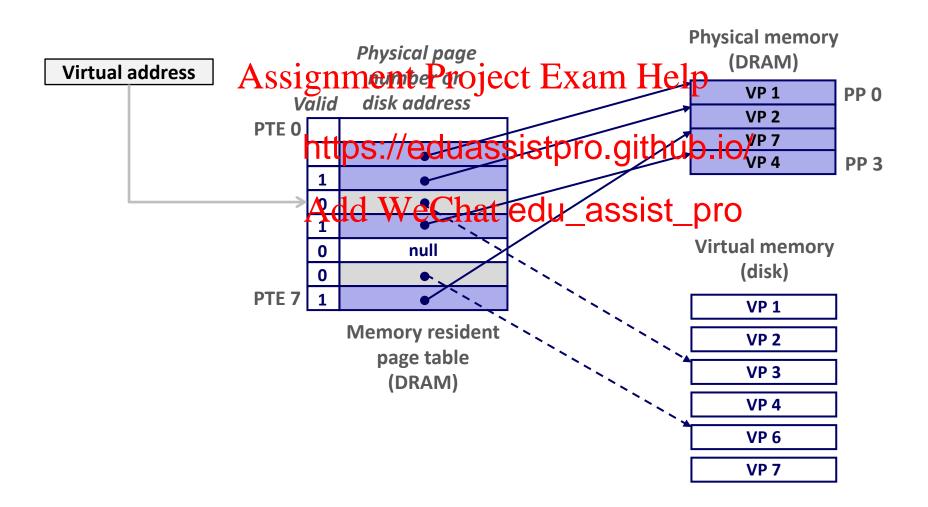
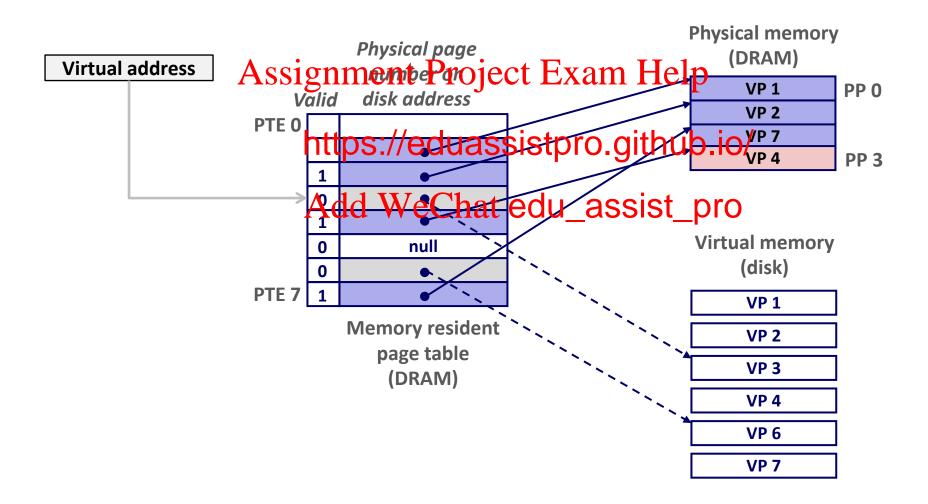
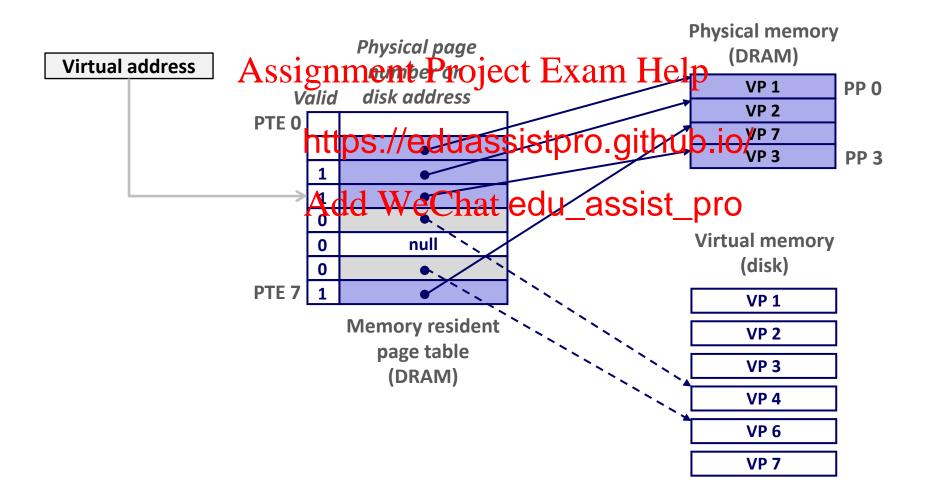
Page miss causes page fault (an exception)



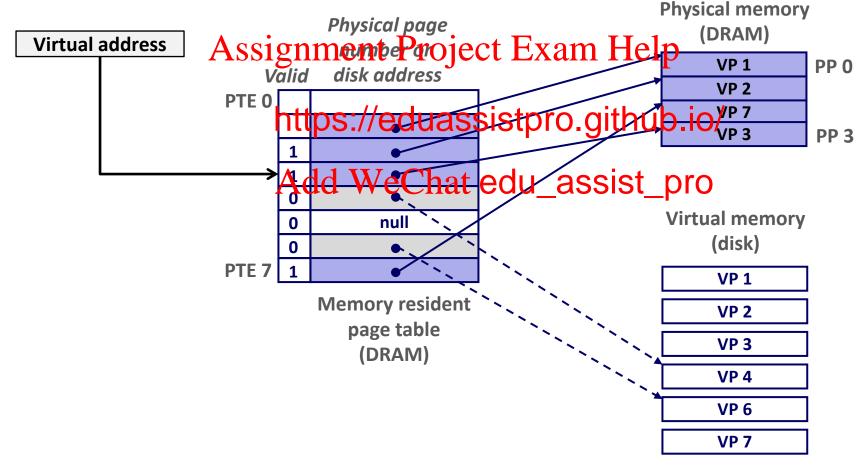
- Page miss causes page fault (an exception)
- Page fault handler selects a victim to be evicted (here VP 4)



- Page miss causes page fault (an exception)
- Page fault handler selects a victim to be evicted (here VP 4)



- Page miss causes page fault (an exception)
- Page fault handler selects a victim to be evicted (here VP 4)
- Offending instruction is restarted: page hit!



Locality to the Rescue Again!

- Virtual memory works because of locality
- At any point in time, programs tend to access a set of active virtual pages called the working set.

 Assignment Project Exam Help

 Programs with better temporal locality will have smaller working sets
- If (working set si https://eduassistpro.github.io/
 - Good performange for wear of the edu assist ryphieses
- If (SUM(working set sizes) > main memory size)
 - *Thrashing:* Performance meltdown where pages are swapped (copied) in and out continuously