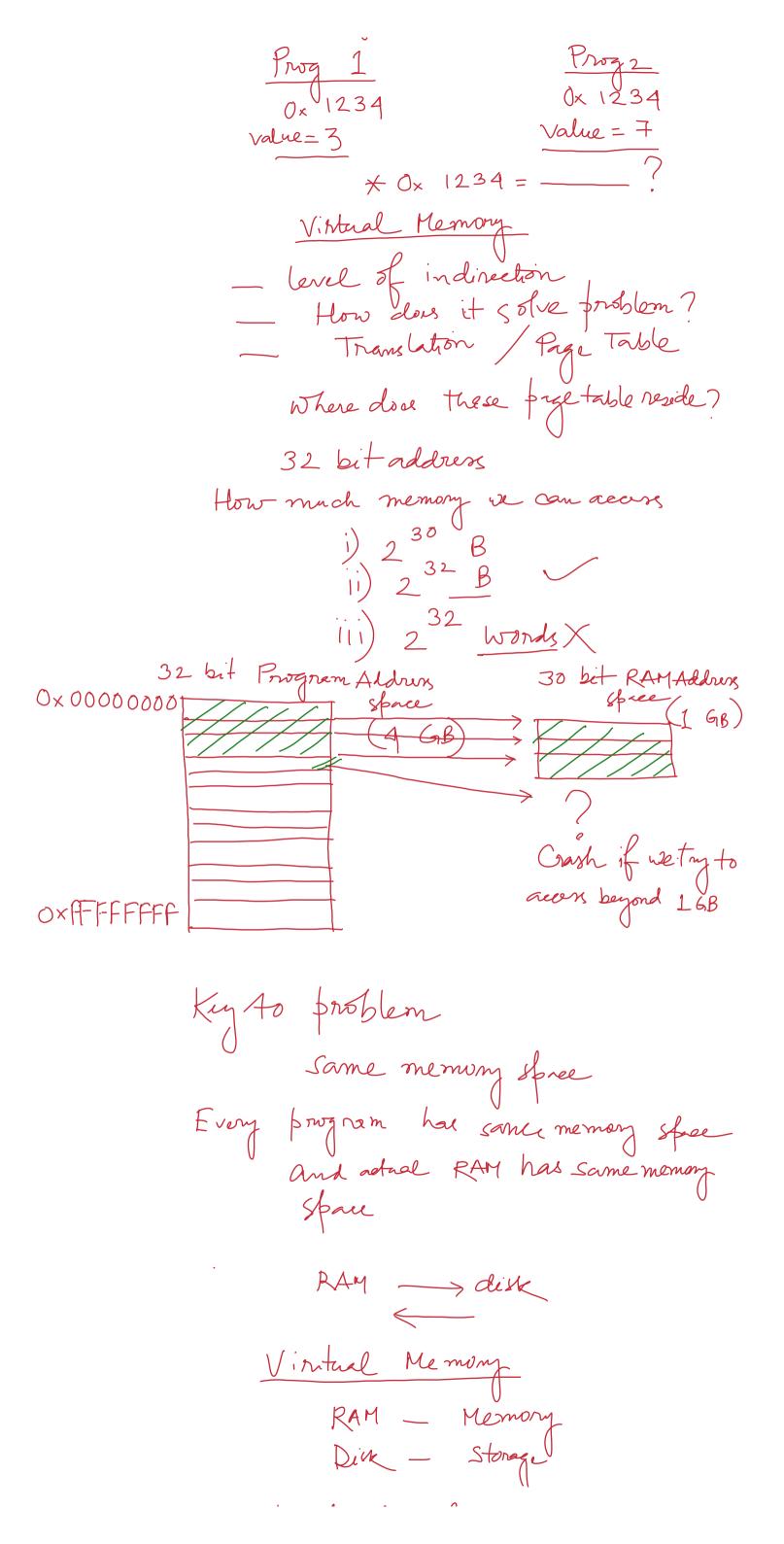
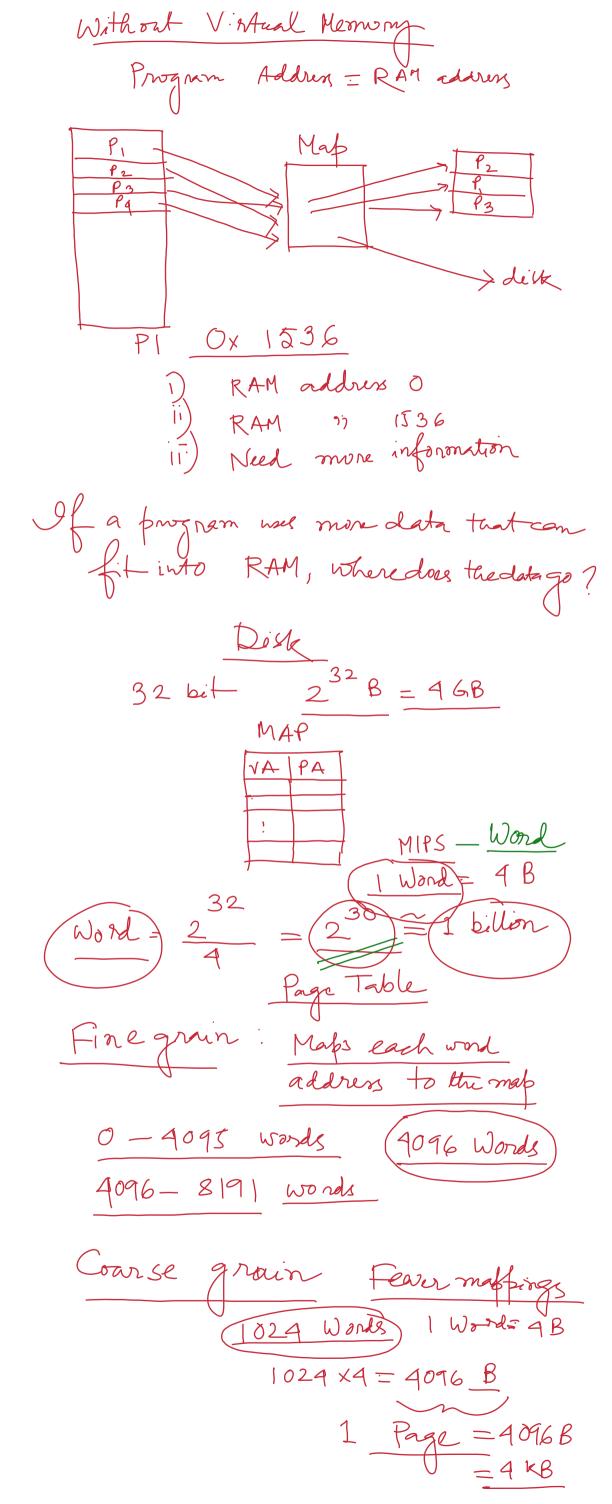
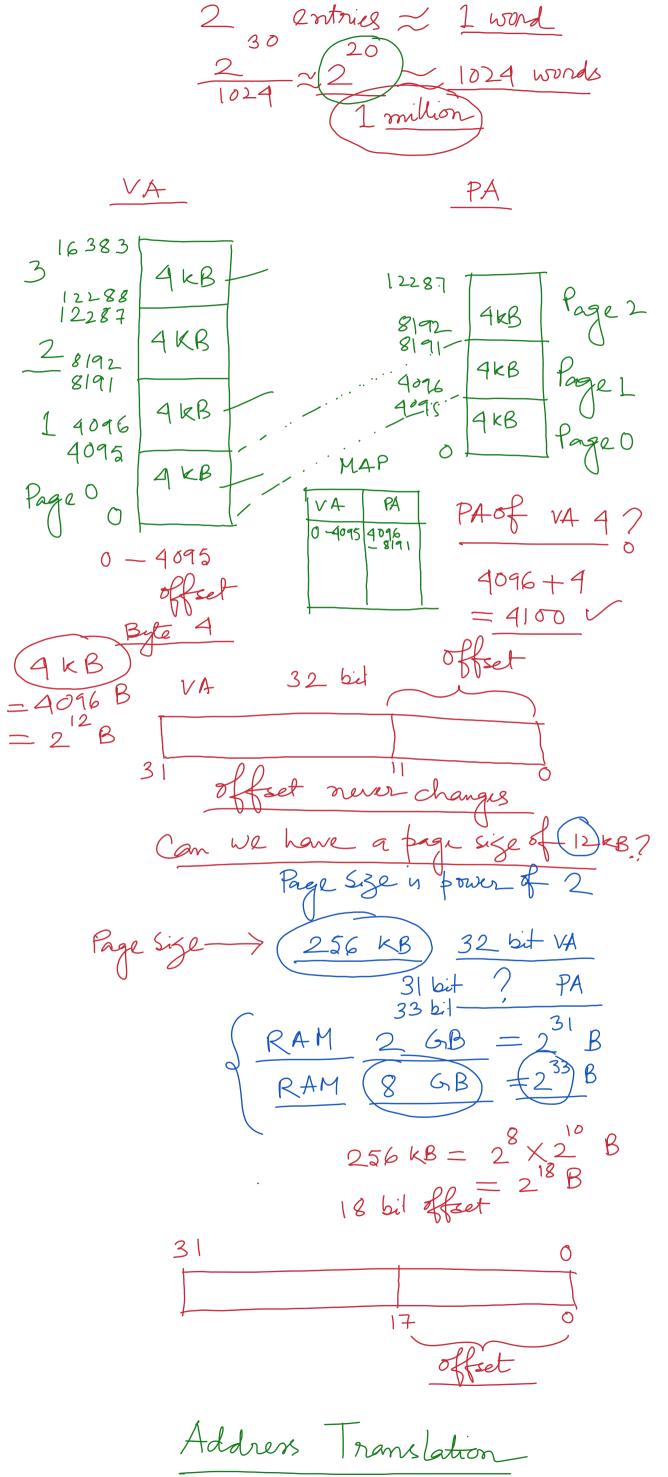
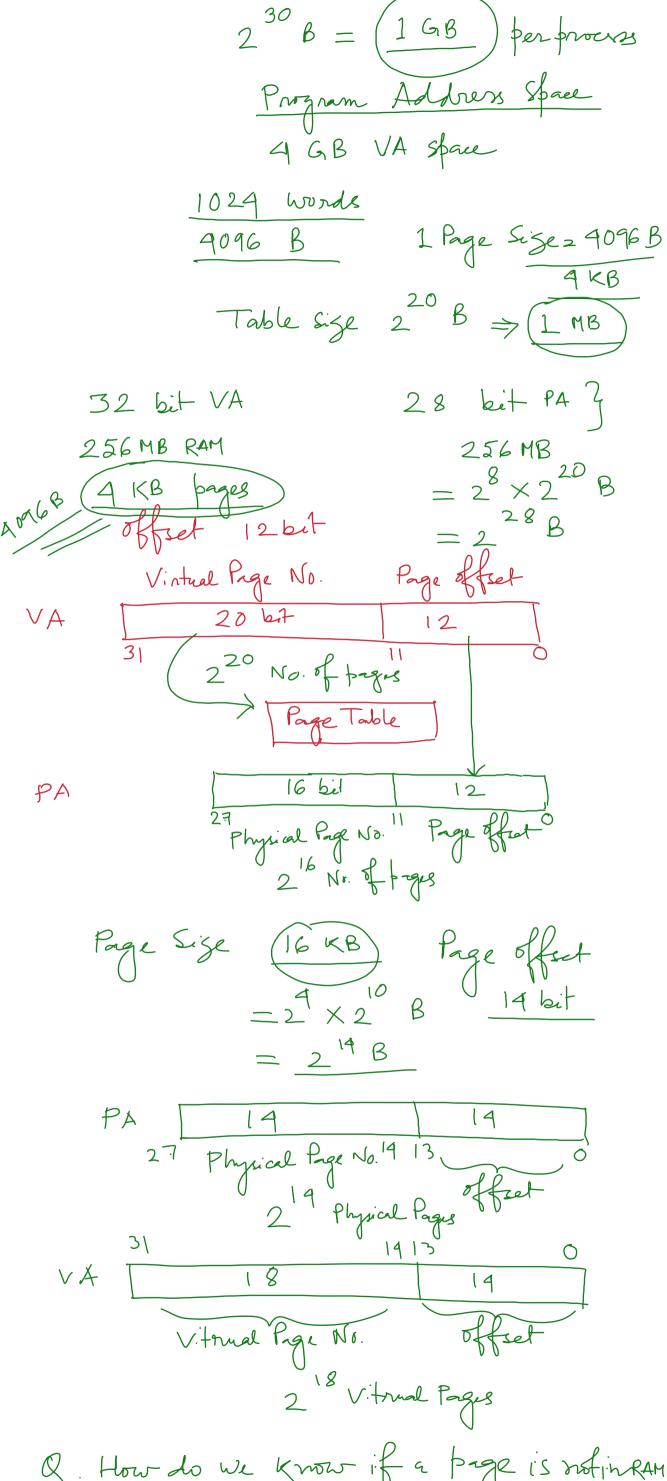
| Memory Management  |
|--|
| MFT - Multiprogramming with<br>Fined no. of tasks  |
| OK 0/S  Internal Frequentation  40 K  J1,50  Partition is of  Size 100K  J2. 120 K  Falernal Frequentation |
| 1) First Fil   |
| 2) Bust Fit X<br>3) Worst Fit  |
| MFT suffers from Internal as wells<br>as external frequentation  |
| MVT  |
| Mentiprogramming with variable no flasks   |
| Memory holes will be created<br>Suffers from enternal fragmentation  |
| Suffers from enternal fragmentation  |
| Compaction   |
| logical addres   |
| Physical ", RAM Address 2 GB   |
| Three problems of memory   |
| - Not enough RAM   |
| - Holee in our address space   |
| - Program writing over each other  |

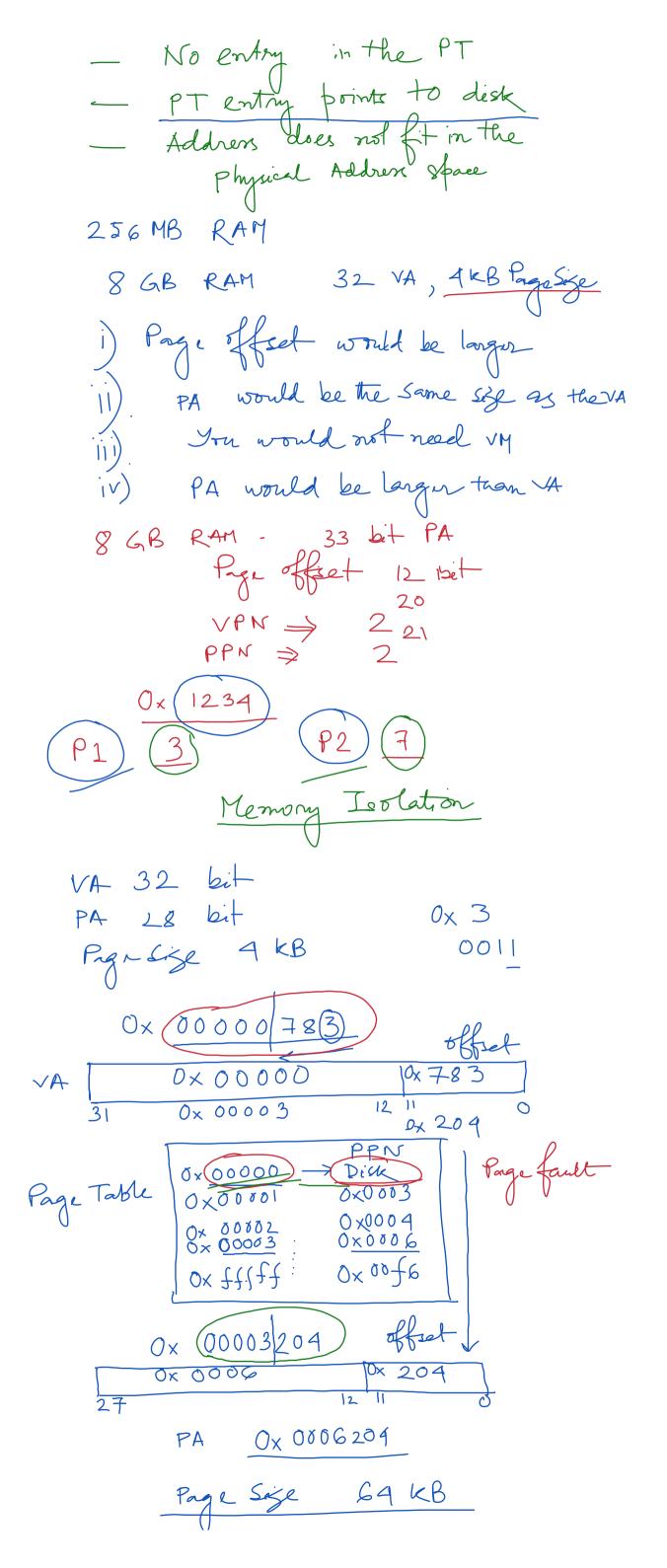








Q. How do we know if a page is notin RAM?



· PTE says the page is on disk ~ Layele . H/w (CPU) generates a lage fault Exception ~ Loocycles . The H/w jumps to OI page facult handler 20000 cycles - The OS chooses a page to evict from
RAM and write to disk ~ 40,000,000 cycles - If the fige is disty, its needs to be written break to lisk first - Os reads the fige from disk and 40000 roocycles it puts if in RAM Os then changes the PT tomas the new page 1000 cycles The OS jumps back to the instruction that caused the page furt ~ 10000 cycles Next time when this page is required Will it be Page fault 7 No How long loss this take ? Meredibly longtime 80 onillion Cycles OSX 10.9 the OS compresses pige How will you the victim page? Tage Replacement Algarithm