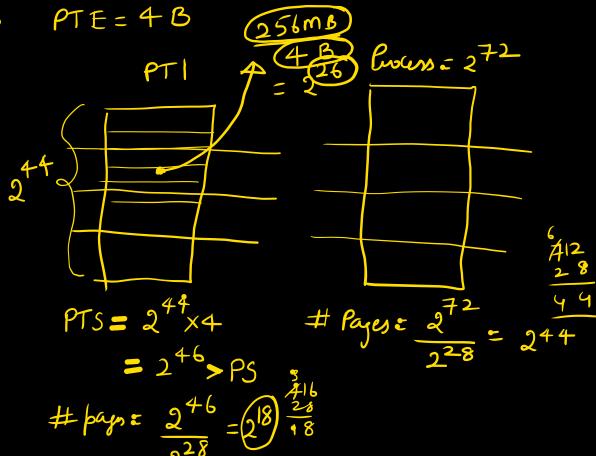
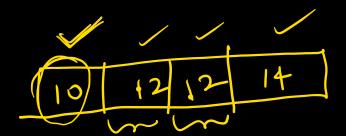
VA = 72 bits Page size = 256 mB = 288B PT2 (72) 28)

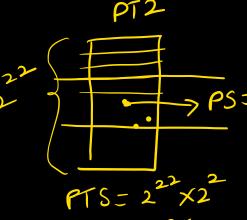
$$\frac{72}{18 \cdot (26)}$$
 $\frac{28}{28}$ $\frac{18}{26}$ $\frac{18}{2}$ $\frac{2}{2}$ $\frac{18}{2}$ $\frac{2}{2}$ $\frac{18}{2}$ $\frac{2}{2}$ $\frac{18}{2}$ $\frac{2}{2}$ $\frac{2}$ $\frac{2}{2}$ $\frac{2}{2}$ $\frac{2}{2}$ $\frac{2}{2}$ $\frac{2}{2}$ $\frac{2}{2}$



VA: 48 bits, Page Size=16KB, PTE=4Bi=2²

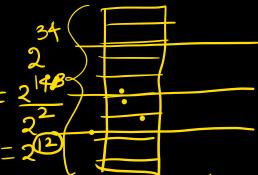
$$PTS = 2^{10} \times 2^{2}$$
= 2^{12}





$$= 2^{24}B$$

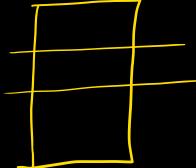
> PS
Payes = 2^{24}



PTI

PTS=
$$2^{36} > P$$

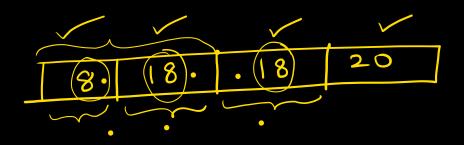
Pages:
$$\frac{2^{36}}{2^{14}} = 2^{2}$$



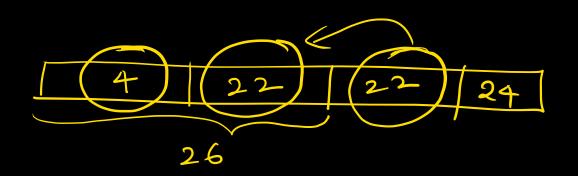
Payes:
$$\frac{2^{48}}{2^{14}} = 2^{34}$$

VA = 64 lits, Page size = 1mB, PTE = 4B = 220

Entures in one page =
$$\frac{2^{20}}{2^2} = 18$$



entires =
$$\frac{PS}{PTE} = \frac{2^{24}}{2^2} = 22$$



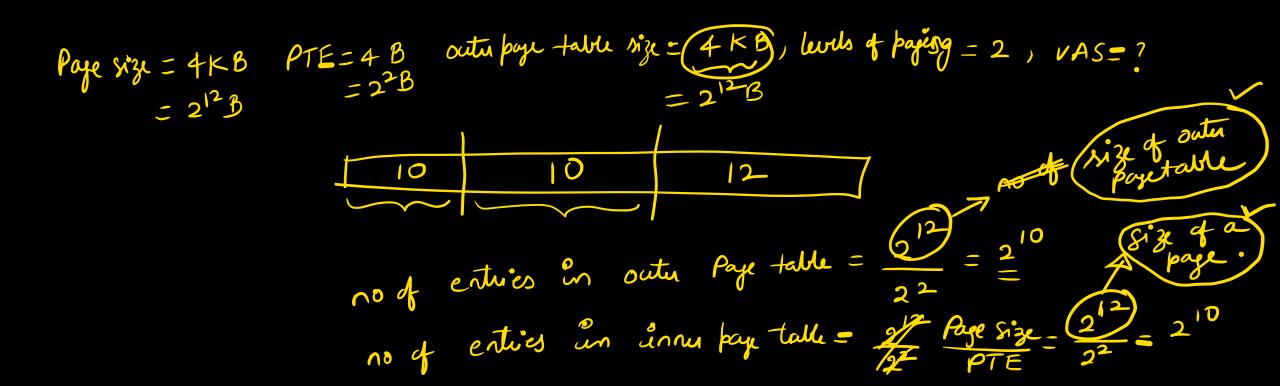
Page Size=(4KB) (PTE = 4B) (outer page table Size = 4KB), levels of paging = 1 Virtuel addus space = ? VAS= IK * 4KB 4 mB = 2 3. K (12) 10 PT 4KB=PTS PTS=4KB 4B = PTE entires = 4 KB (210) > entures

4 B

<u>-</u> |K

Page 8ize = (4KB) PTE = 4B outer page table size = 256B levels of Paging = 1, VAS=?

entires =
$$\frac{PTS}{PTE} = \frac{256B}{4B} = \frac{2^6B}{4B}$$



Page size = 4KB, PTE=4B, outre page table size = 4KB, leves of paging = 3 VAS=?

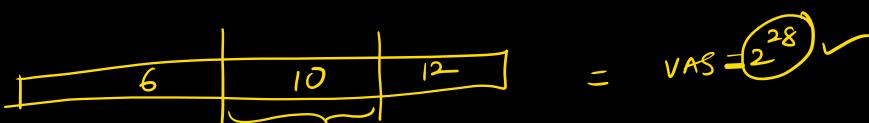
PT 3	PT2	PTI	
10	10	10	12

VAS= 2 B.

out entries =
$$\frac{4 \times B}{4 \cdot B} = \frac{10}{200}$$

entries PT2 = $\frac{Paye \ size}{PTE} = \frac{4 \times B}{4 \cdot B} = \frac{10}{200}$

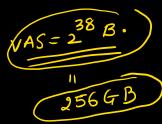
Pay size = 4kB, PTE=4B, outer page table size=256B, builts of payis=2, VAS=?



entries OPT =
$$\frac{256B}{4B} = \frac{25}{4}$$

Page Size= 4KB, PTE=4B, outer page table size= 256B land of paging=3, VAS=?





out =
$$\frac{256B}{4B} = 2$$

2