HIBA ZUBAIR

SECTION F

18K-1361

DUE DATE: 15th Dec 2020

Scanned with CamScanner

Date:

18K-1361

ACTIVITY 1

Page size = 16 KB = 2^{14} B
page table entry size = 4B
virtual address space = 48bits
No. of pages = $2^{48}/2^{14} = 2^{34}$ B

Inner page size = $2^{34} \times 4 = 2^{36}$ B = 2^6 GB = 64GB

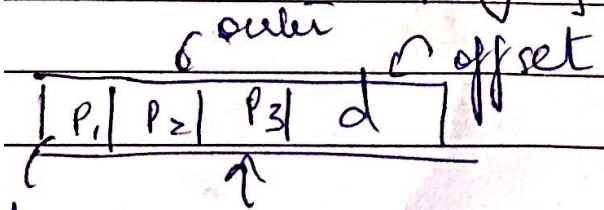
Outer no. of pages = $2^{36}/2^{14} = 2^{22}$ B

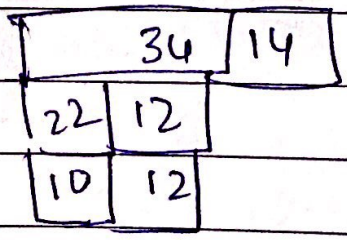
Outer page size = $2^{22} \times 11 = 2^{24}$ B = 16MB.

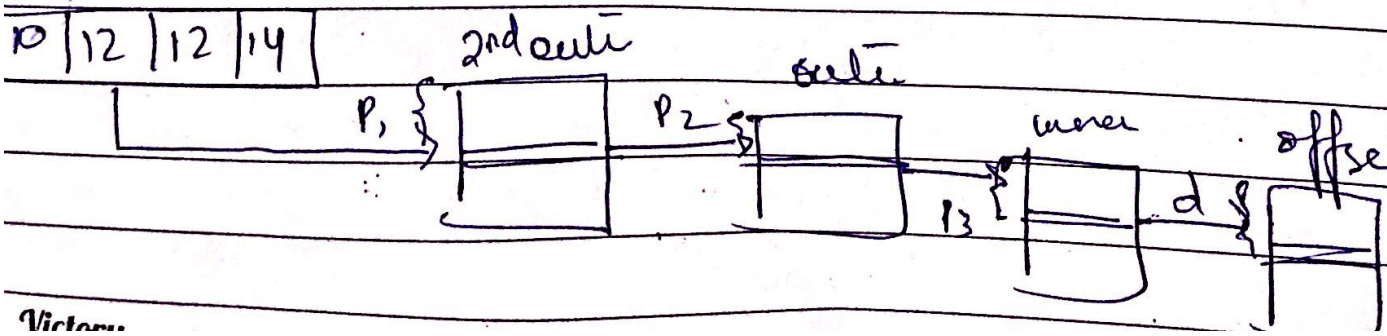
No. of pages for 2nd outer page Table = $2^{24}/2^{14} = 2^{10} = 1$KB.

2nd outer page size = 2^{10} B $\times$ 4B = 2^{12} B = 11KB.

Hence 3 level paging







Victory

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