Sec-6

(22)

Sol^n (i)

430 < 600 (length)

then 430 + 219 (Base)

= 649

12 < 14

then 12 + 2300

= 2312

500 > 100

then 500 + 90 = 590

400 < 580

then 400 + 1327

= 1727

11 < 96 = Illegal

Statement, Physical Address

0 , 649

1 , 2312

2 , 590

3 , 1727

4 , Illegal.

(iii) Paging is implemented by breaking up an address into a page offset number. Because each bit position represents

R2

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a power of 2, splitting address b/w bits result in a page size that is a power of 2

That why our page number always in the form of 2^K