

we use the affect on bits to identify each items at the formus that contains the info of the process itself. Now, what if the page table (initial oni) is too deig to fiet inside one 20 29 \* we had to see the size of the page table. lets say each entry sof the page table takes 23 space. -> those are 8 entries in out page hable 10 49 thus, the takel size of the page tible 11 48  $= 8 \times 2 = 16 B.$ 12 11. the size of page table. 13 we can not took this into one from At the ned to page the page table Simile the page table into number of pages the page hible con he divided into = 16B = 4 pages. = 2×2 > 2bits to represent 4 pages at

1 #41 total number of affrences = 2118, the page size. the = 2 16kB = 24KB = 24x210-214B P1 Affact Hpayer= 218
214 # number of entries in PMT = table each entry size = 8B = 23B. So that page, size = 2104×23 So, 21078 2 218? no, than page the page table, # number of pages in page lable 2 = 2007 outer page table requiers 93 bits. P2 P4 offset

93: 11 14 # · PMT2 stz1 = 293×23 = 296 < 2147 ho, # number of pays in pays table 3 = 296 = 282 PT3 requies 82 bits. PT3 PT2 PT3 Offat, 82 11 11 14

$$2^{n}=16$$
 $2^{n}=24$ 
 $n=4$ 

So, pay the page table, Hot pages in the PMIZ = 
$$\frac{26}{24}$$