

Today (3/21) -

Review

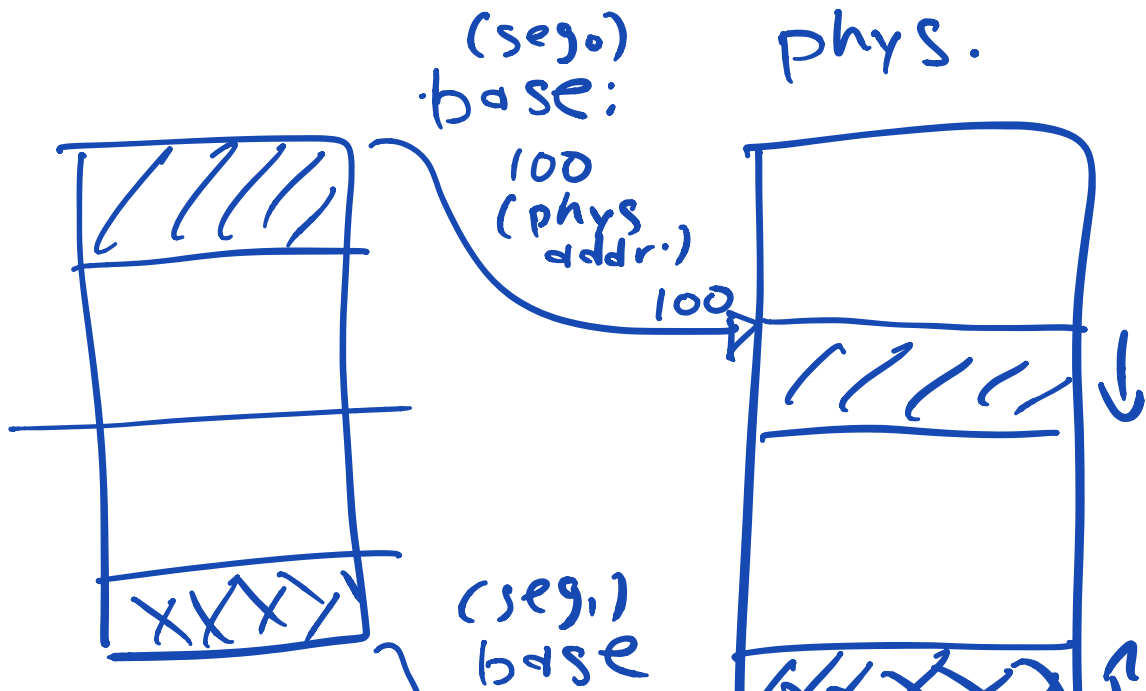
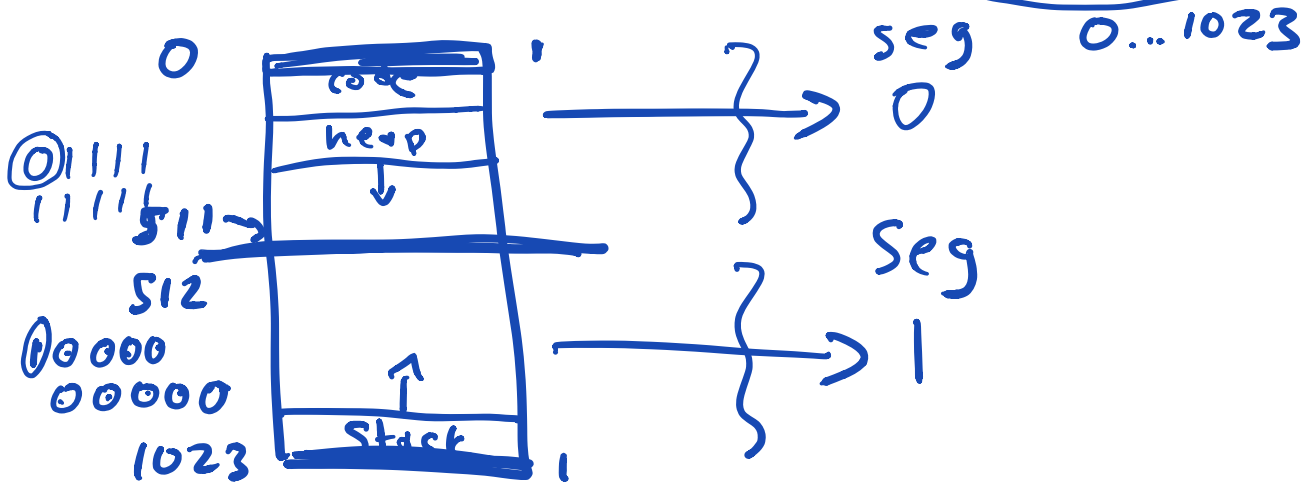
a.k.a. Last chance to ask questions!

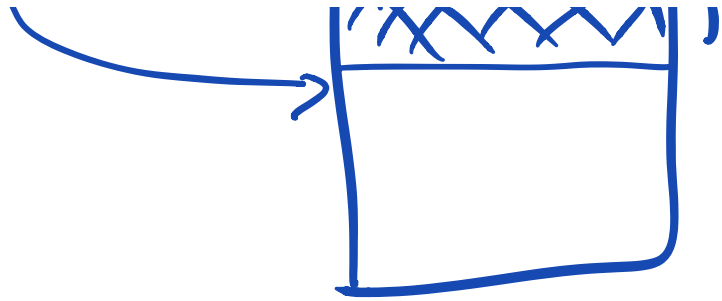
F' 13 : 8, 10

S' 16 : 6, 12

V. Addr. Space

1KB

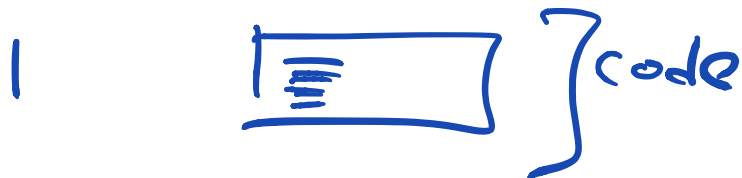
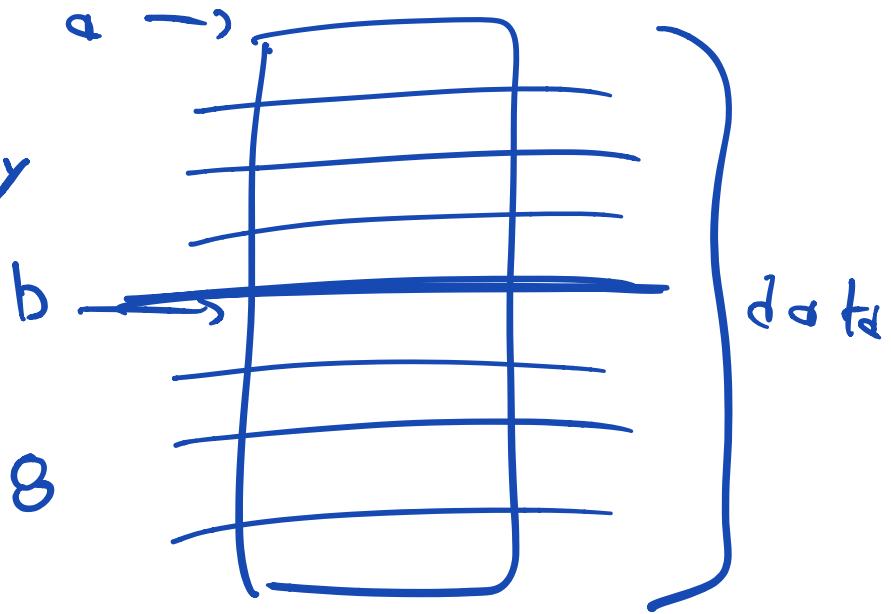




int a [4096]; ^{int 4 bytes} ~ 4 pages
 int b (4096); ~ 4 pages

code:
 c += a(i) + b(i);

9



Page Table

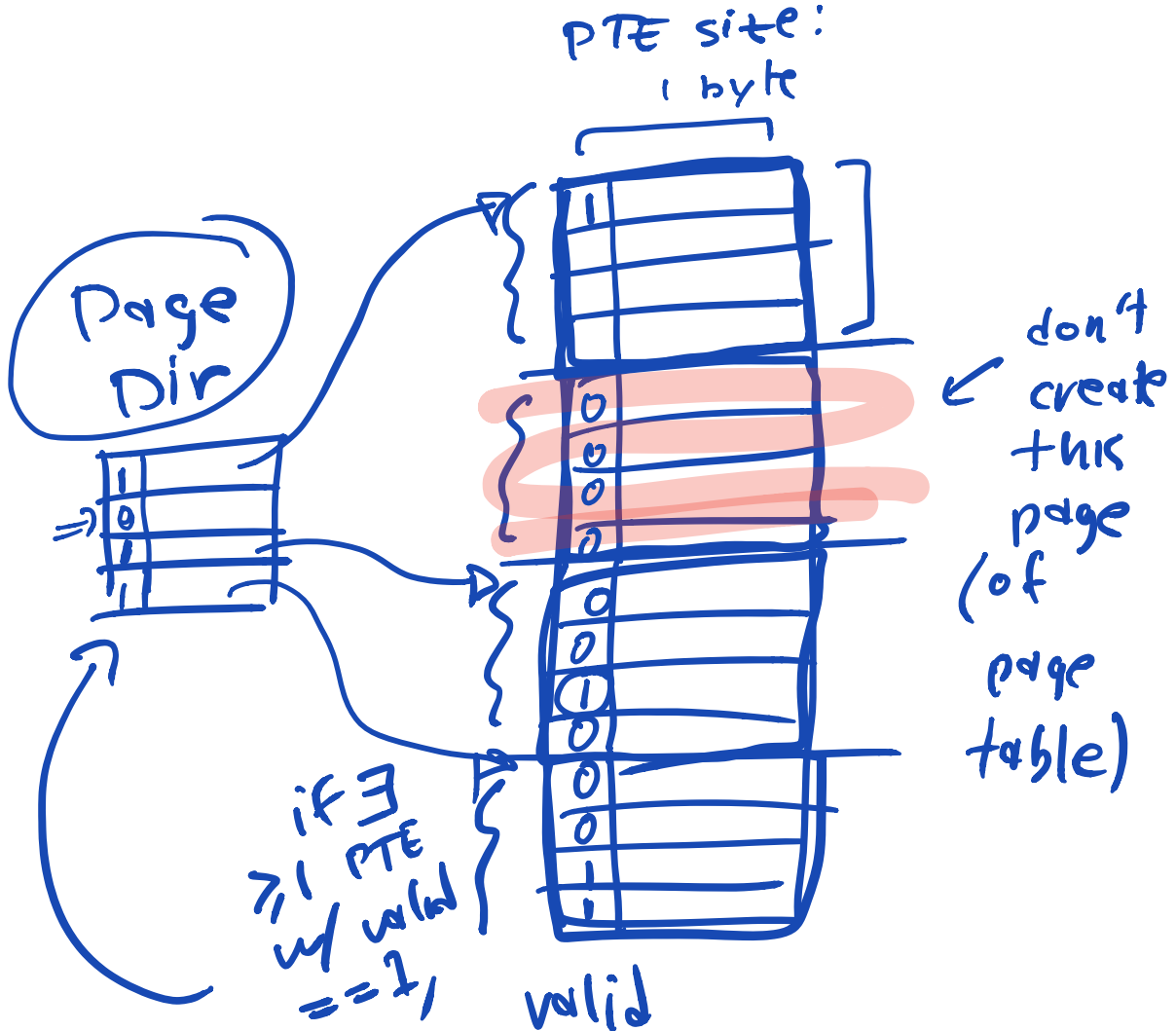
64 byte A.S.

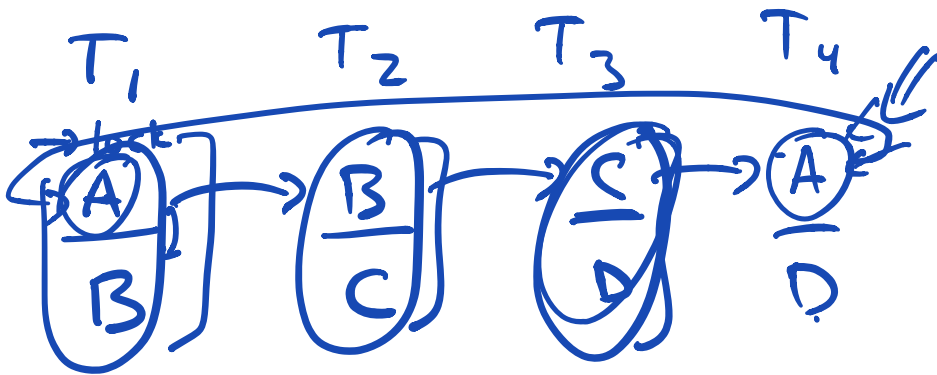
4 byte pages

=> 16 virt. pages

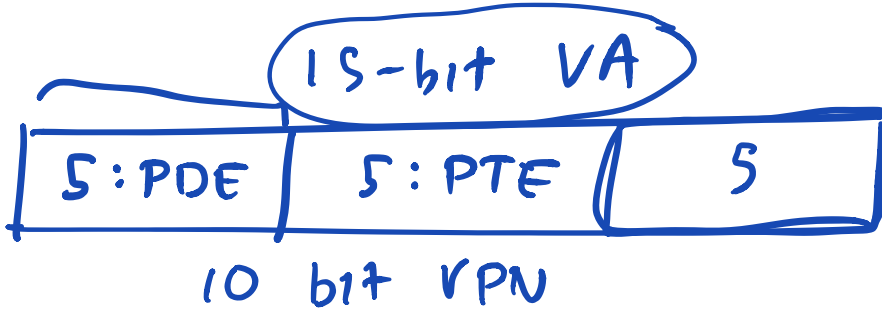
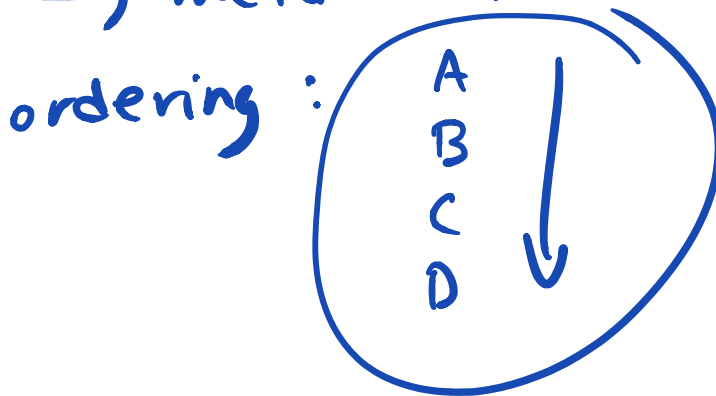
PTE size:

1 byte

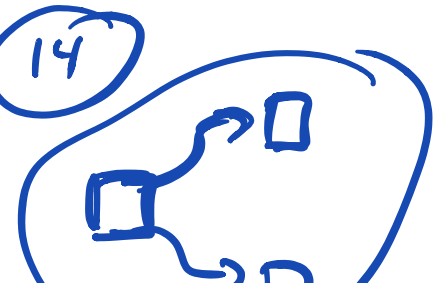
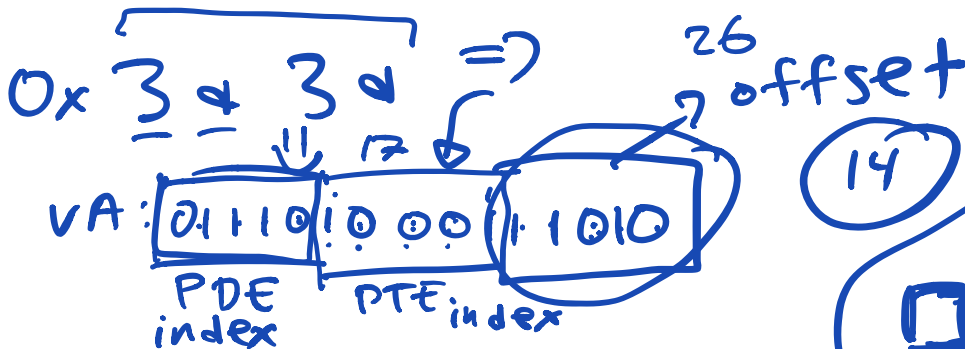




how to solve?
 => meta-lock

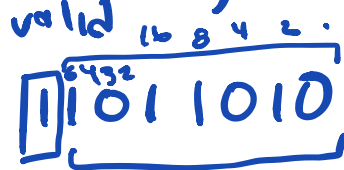


32-bit
 page



da

Page Dir



PDE

90

PFN of page of page table

PTE

e2

=>

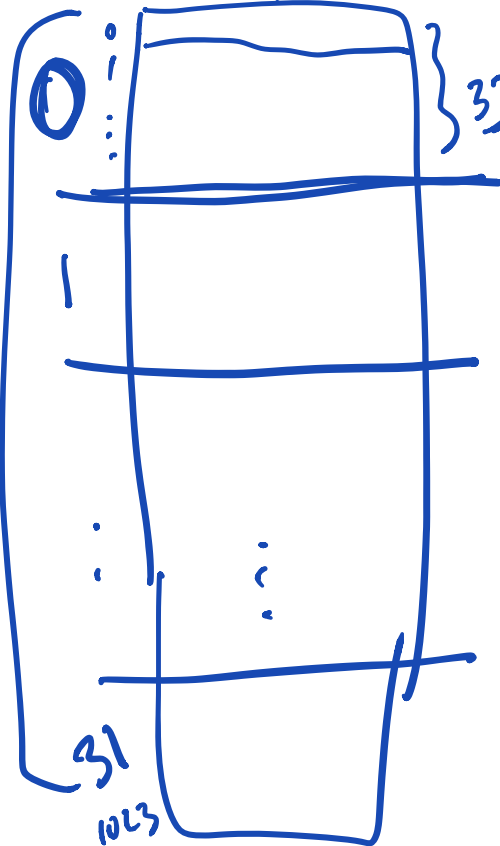


valid

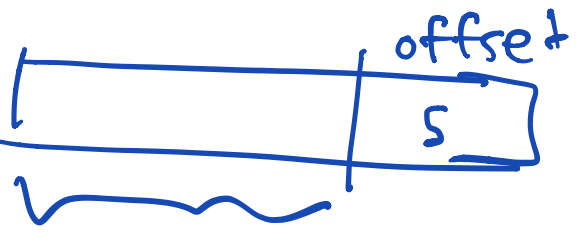
98

1024 entries

linear page table
1 byte



32 entries



VPN: 10 bits

2^{10} virt. pages

$$\frac{1024}{32}$$

$$= 32$$

