参数计算：4KB/page ⇒ VPO：12 bits

4B/PTE ⇒ 1K PTE/page ⇒ VPN1,2：10 bits

PART A

VA：0x00A97088

0000 0000 1010 1001 0111 0000 1000 1000

VPN1 = 0x002　VPN2 = 0x297　VPO = 0x088

PDE Addr：0x00C88000 + 0x002 × 4 = 0x00C88008

PDE：0x0D32A067

0000 1101 0011 0010 1010 0000 0110 0111

PS=0 → 正常页

PTE Addr：0x0D32A000 + 0x297 × 4 = 0x0D32AA5C

0x297 × 4 = A5C

PTE：0x9A83C067

1001 1010 1000 0011 1100 0000 0110 0111

PS=0

PA：0x9A83C000 + 0x088 = 0x9A83C088

PART B

VA：0x3003C088

0011 0000 0000 0011 1100 | 088

VPN1 = 0x0C0　VPN2 = 0x03C　VPO = 0x088

VPO = 0x03C088

PDE Addr：0x00C88000 + 0x0C0 × 4 = 0x00C88300

PDE：0x9A8000E7

1001 1010 1000 0000 0000 0000 1110 0111

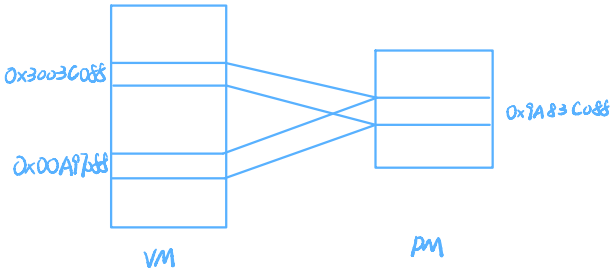
PS=1 → 大页

为什么不选0x26A？

PA：1001 1010 10 | 00 0011 1100 | 088

= 0x9A83C088

PART C



PART D

(1) VA　0xC0002A5C

1100 0000 0000 0000 0010 1010 0101 1100

VPN1 = 0x300　VPN2 = 0x2　VPO = 0xA5C

PDE Addr：0x00C88000 + 0x300 × 4 = 0x00C88C00

PDE：0x0C1885B5

U/S=1　R/W=0　想想为什么

0000 1100 0001 1000 1000 0000 1011 0101

PS=0

PTE Addr：0x0C188000 + 0x2 × 4 = 0x0C188008

PTE：0x0D32A067

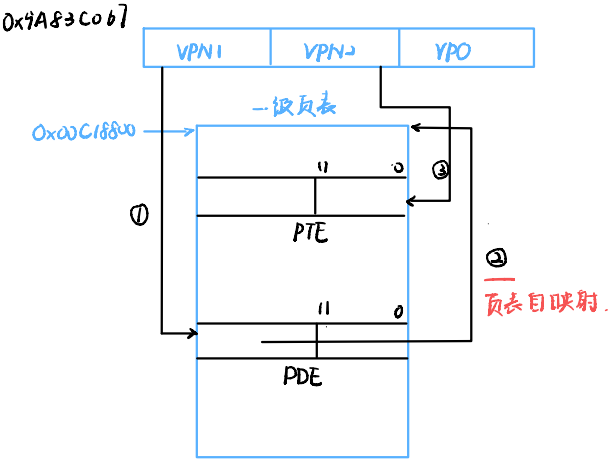
0000 1101 0011 0010 1010 0000 0110 0111

PS=0

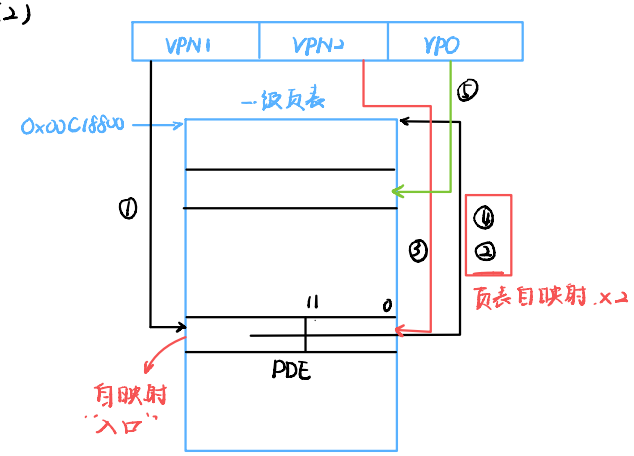
PA：0x0D32A000 + 0xA5C

= 0x0D32AA5C

%eax：0x9A83C067



(2)



VPN1 = 0x300

VPN2 = 0x300　⇒ VA：1100 0000 0000 1100 0000 0000 0000 1000

VPO = 0x2 × 4 = 0x8　= 0xC0300008