N8.1

Physical Memory: M= 256 Kib = 262144 Byles
Page site: P = 2048 Byles
Max pages per program: T=16

@) Frames court: M/p=128

b) Logical Aldress: log (T.P) = log (32768) = 15 bits

Physical Address: log\_ (M) = log\_ (262144) = 18 lits

c) lege member bits: log\_(16) = 4 bits

Offset within page bits: eq bits

~8.2

a) P(: page table

2 P(0: 8 (v-x-v))

P(1: 6 (v-x-v))

P(1: 6 (v-x-v))

P(1: 8: 3 (v-x-v))

3

Pz. pgo (1)/ Pz,0:3 (r-xv) Pz,1:12 (r-x-v) Pz,4:4 (rw--v) Pz,5:1 (rw--v)

```
6) Pr: page table
 2 Pr.o: 8 (r-x-v)
   Pa,1: 6 (r-x-v)
  P1,2: 2 (rw-dv)
 p1,5: 5 (rw-du)
  P(,6:11 (FW--V)
  P1,8:3 (NW--V)
C) Pr: page table
 2 Pe, o: 8 (r-x-v)
   P1,1:6 (V-X-V)
  P1,2: 2 (rw-dv)
  61,5: 5 (rw-du)
   P1, 4: 13 ( m.du)
   P1,6:11 (FW--V)
   P1,8:3 (NW--V)
```

```
Pz. page table
1 Pr,0: 3 (1-x-v)
  Pz, 1: 12 (V-X-V)
 P2, 4: 4 (rw--v)
P2,5: 1 (rw-v)
P2,6: 10 (rw-dv)
 B.8: 7 (rw-dv)
 Pz. page table
1 Pr,0: 3 (1-xv)
  Pz, 1: 12 (V-X-V)
  P2,2: 19 (rw-dv)
P2,4:4 (rw-v)
  P2, 5: 1 (rw--V)
  P2,6: 10 (rw.dv)
  B.8: 7 (rw-du)
```

Frame	Physical Addresses	Loaded Page
0	0x000-0x0FF	OS
1	0x100-0x1FF	$p_{2,5}$
2	0x200-0x2FF	p.
3	0x300-0x3FF	$p_{1,8}$
4	0x400-0x4FF	$p_{2,4}$
5	0x500-0x5FF	P1,5
6	0x600-0x6FF	$p_{1,1}$
7	0x700-0x7FF	- Pa,
8	0x800-0x8FF	$p_{1,0}$
9	0x900-0x9FF	$p_{2,0}$
10	0xA00-0xAFF	- P2,6
11	0xB00-0xBFF	$p_{1,6}$
12	0xC00-0xCFF	$p_{2,1}$
13	0xD00-0xDFF	- Pe 6
14	0xE00-0xEFF	- P. 3
15	0xF00-0xFFF	- 122