Assignment #8

Problem 8.1: address spaces in a paging system

- a) The physical memory has 128 frames.
- b) The logical address space has 15 bits, and the Physical address space has 18 bits
- c) For the page number, there are 4 bits used, and for the offset 11 bits

Problem 8.2: paging and page tables

a) Proscess P1				
Page	Frame	Additional Bits		
b,10	8	r-x-v		
P1,1	6	Υ-x-V		
P1,2	-	rw-d-		
Pris	-	rw-d-		
P116	11	rw-dw		
P1,8	3	ru-du		
Process 2				
Page	Frame	Additional Bits		
P210	9	r-x-v		
P2,1	12	V-X-U		
P2,4	4	rw-du		
P215	٨	rw-du		
P216	_	rw-d-		
P218	-	rw-d-		

band c)

Frame	1 Physical Addresses	Loaded
0	0x000-0x0FF	OS
1	0 x 100 - 0 x 1 F F	P215
2	0x200-0x2FF	P1,2
3	0 x 300 - 0 x 3 F F	P118
4	0 x 400 - 0 x 4 FF	P214
5	0 x 500 - 0 x 5 F F	Plis
6	0 x 600 - 0 x 6 F F	Para
2	0×700-0×7FF	P216
8	0×800-0×8FF	P110
9	0x900-0x9FF	P210
10	0 x A00-0 x AFF	P114 P212
11	0×B00-0×BFF	P1,6
12	6xCOO-OXCFF	P211
13	0 x 000 - 0 x DFF	
	OXEOD-OXEFF	
,	0×F00-0×FFF	