CPSC 457, Assignment 4

ID: Zhi Chao Dou

Q1 Written

First-Fit

176 183

	P10	P1	Р3	P11		P12		P13	P2	
100	30		- 500	 30	200	30	300	30	60	0

- There is no room for P4

Best-Fit

174 83 88 88 P10 P2 P11 Р3 P12 Ρ1 P13 Ρ4 |---- 500 -----| 30 |---- 200 -----| 30 |----- 300 -----| 30 |----| 100 30

Worst-Fit

83 276

71

	P10	P2		P11		P12		P13	P1	Р3	
100	30	50	0	30	200	30	300	30		600	

- There is no room for P4

288

Next-Fit

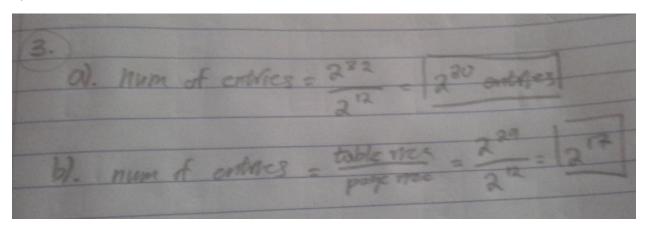
	P10	P1	P11		P12		P13	P2	P3	
100	30	50	30	200	30	300	30		600	

- There is no room for P4

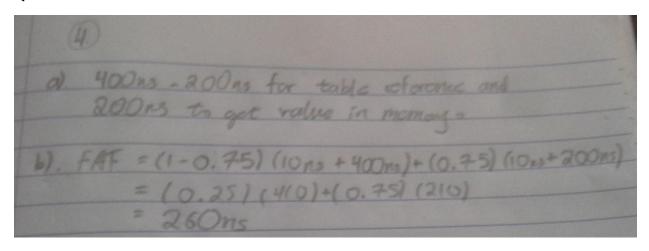
Q2 Written

Address	Page Number	Offset
2375	2	327
19366	18	934
30000	29	304
256	0	256
16385	16	1

Q3 Written



Q4 Written



Q5

LRU:

LRV	3 4 3	30			
2,3,0	use 2	,,,5,6, use 3		7, 6, 3, 2, 1,	
3/1	> 2	1 2	3 Y 2	3 2	
use	use 5	9 3 wsc 6	3		
2	2 5	5 5	5 6	vs: 7	
135 2	use 3	11	72	2	
	7 3	1 3 7 3	13 3	× 3	
2/2	2	12 use 2	ol 6	124 1 vse 6	
1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	use I	-> 1/1/2 -> 1/1/2	3 1	3 3	
[6]	311	[7]	PA .	page fault	s
				15	4/4

Optimal:

Optims 1,2, 2,1,	3,4,2,1	, 5, 6, 2,	1,2,3,	-
VSG 1 1 1 1 1 1 1 1 1 1	WC 2 2 3 3	18 3	1 2 4 4 4 T	W 2
use 7	100 5 100 5	1 2 6 B	use 2	W. A.
use 2	182 3 181 8 6	WS-7 7 1-6	4806	1803 (X)
18 2 2 X 3 2 X 3 X 3 X 3 X 3 X 3 X 3 X 3 X	we 1 5 2 1 1 1 1 1 1 1 1 1	we 2	use 3	us 6 131 2 5 Faults