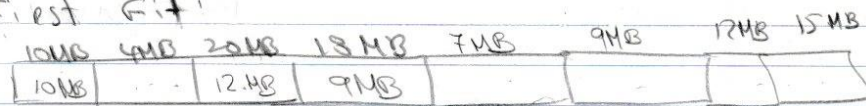


Page 254 # 4
Page 254 # 7
Page 257 # 28
Page 258 # 38
~~Page 258 # 38~~

Q. 4 p. 254

① First Fit

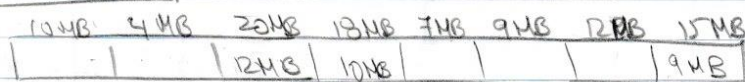


a) 20MB b) 18MB c) 18MB

② Best Fit

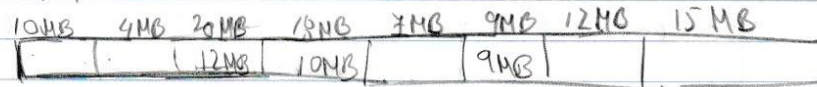
a) 12MB
b) 10MB
c) 9MB

③ Worst Fit



a) 20MB b) 18MB c) 15MB

④ Next Fit



a) 20MB b) 18MB c) 9MB

Q. 254 # 7

a) 8K - 12K $(20 \rightarrow (8 \times 1024) + 20 = \boxed{8212})$

b) 4K - 8K $(4100 \rightarrow \boxed{4100})$

c) 24K - 28K $(8300 \rightarrow 24576 + 108 = \boxed{24684})$

$8300 - 8192 = 108$

it is 108 for frame 8192

P. 257 # 28

Fifo

page	F ₁	F ₂	F ₃	F ₄
0	Empty	Empty	Empty	Empty
1	0	Em.	Em.	Em.
7	0	1	Em.	Em.
2	0	1	7	Em.
3	0	1	7	2
2	3	1	7	2
7	3	1	7	2
1	3	1	7	2
0	3	0	7	2
3	3	0	7	2
-	3	0	7	2

Page Fault

Page Fault

Page Fault

Page Fault.

Page fault

No Page Fault

No Page Fault

No Page Fault

Page Fault

No Page Fault

Final state

of the

Frame

6 page fault.

Each time a page fault occurs
the older one gets out of the frame.

LRU

Pages
Reference

	F ₁	F ₂	F ₃	F ₄	
0	Em	Em	Em	Em	Page Fault
1	0	Em	Em	Em	Page Fault
7	0	1	Em	Em	Page Fault
2	0	1	7	Em	Page Fault
3	0	1	7	2	Page Fault 0 will be replaced
2	3	1	7	2	No Page Fault
7	3	1	7	2	No Page Fault
1	3	1	7	2	No Page Fault
0	3	1	7	2	Page Fault 3 will be replaced
3	0	1	7	2	Page Fault 2 will be replaced
-	0	1	7	3	Final state of frame:

10173

7 Page Faults

