BLENDEA ALIN-DANIEL
GRUPA 10LF291

LUCRARE SCRISĂ
SISTEME DE OPERARE

I.
1. b.
2. d.
3. b.
4. c.
5. ~~b~~. a.
6. d.
7. ~~a~~. b
8. a
9. d
10. b
11. d.
12. d.
13. c
14. a
15. a
16. c
17. ~~b~~ d.

18. c

19. c

20. d

II. 2, 0, 1, 2, 3, 5, 4, 6, 2, 3, 1, 0, 1, 6, 0, 2, 3, 1, 4, 6, 5, 0, 1, 2,

3, 5, 4, 6, 2, 3, 1

i. Încărcarea folosind algoritmul optimal:

2	0	1	2	3	5	4	6	2	3	1	0	1	6	0	2	3	1	4	6	5	0	1	2	3	5	4	6	2	3	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	6	6	6	6			
0	0	0	0	5	4	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	1			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	
		3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	

ii. Folosind FIFO:

2	0	1	2	3	5	4	6	2	3	1	0	1	6	0	2	3	1	4	6	5	0	1	2	3	5	4	6	2	3	1
2	2	2	2	2	5	5	5	5	3	3	3	3	3	3	2	2	2	6	6	6	6	2	2	2	2	6	6	6	6	
0	0	0	0	0	4	4	4	4	1	1	1	1	1	1	3	3	3	3	5	5	5	5	3	3	3	3	2	2	2	
	1	1	1	1	1	6	6	6	6	0	0	0	0	0	0	1	1	1	1	0	0	0	0	5	5	5	5	3	3	
		3	3	3	3	2	2	2	2	2	6	6	6	6	6	4	4	4	4	1	1	1	1	4	4	4	4	1		

iii. Folosind LRU:

2	0	1	2	3	5	4	6	2	3	1	0	1	6	0	2	3	1	4	6	5	0	1	2	3	5	4	6	2	3	1
2	2	2	2	2	2	2	6	6	6	6	0	0	0	0	0	0	0	4	4	4	4	1	1	1	1	4	4	4	4	1
0	0	0	0	5	5	5	5	3	3	3	3	3	3	2	2	2	6	6	6	6	2	2	2	2	6	6	6	6		
	1	1	1	1	4	4	4	4	1	1	1	1	1	1	3	3	3	3	5	5	5	5	3	3	3	3	2	2	2	
		3	3	3	3	2	2	2	2	2	6	6	6	6	1	1	1	1	0	0	0	0	5	5	5	5	3	3		

III.

32 blocuri (1-32)
3 fișiere
initial: - fiș1: 11, 2, 32, 6
        - fiș2: 16, 31, 1, 3
        - fiș3: 24, 5, 7

a) Tabela FAT

1 - 3
2 - 32
3 - -1
4 - 0
5 - 7
6 - -1
7 - -1
8 - 0
9 - 0
10 - 0
11 - 2
12 - 0
13 - 0
14 - 0
15 - 0
16 - 31
17 - 0
18 - 0
19 - 0
20 - 0
21 - 0
22 - 0
23 - 0
24 - 5
25 - 0

26 - 0
27 - 0
28 - 0
29 - 0
30 - 0
31 - 1
32 - 6

③

b) Tabelele FAT dacă fiecare fișier va mai necesita câte un bloc:

Ordine fiș1, fiș2, fiș3:

1 - 3
2 - 32
3 - 8
4 - -1
5 - 7
6 - 4
7 - 9
8 - -1
9 - -1
10 - 0
11 - 2
12 - 0
13 - 0
14 - 0
15 - 0
16 - 31
17 - 0
18 - 0
19 - 0
20 - 0
21 - 0
22 - 0
23 - 0
24 - 5
25 - 0
26 - 0
27 - 0
28 - 0
29 - 0
30 - 0
31 - 1
32 - 6

Ordine fiș1, fiș3, fiș2:

1 - 3
2 - 32
3 - 9
4 - -1
5 - 7
6 - 4
7 - 8
8 - -1
9 - -1
10 - 0
11 - 2
12 - 0
13 - 0
14 - 0
15 - 0
16 - 31
17 - 0
18 - 0
19 - 0
20 - 0
21 - 0
22 - 0
23 - 0
24 - 5
25 - 0
26 - 0
27 - 0
28 - 0
29 - 0
30 - 0
31 - 1
32 - 6

Ordine fis 2, fis 1, fis 3:

1 - 3
2 - 32
3 - 4
4 - -1
5 - 7
6 - 8
7 - 9
8 - -1
9 - -1
10 - 0
11 - 2
12 - 0
13 - 0
14 - 0
15 - 0
16 - 31
17 - 0
18 - 0
19 - 0
20 - 0
21 - 0
22 - 0
23 - 0
24 - 5
25 - 0
26 - 0
27 - 0
28 - 0
29 - 0
30 - 0
31 - 1
32 - 6

Ordine fis 2, fis 3, fis 1:

1 - 3
2 - 32
3 - 4
4 - -1
5 - 7
6 - 9
7 - 8
8 - 1
9 - 1
10 - 0
11 - 2
12 - 0
13 - 0
14 - 0
15 - 0
16 - 31
17 - 0
18 - 0
19 - 0
20 - 0
21 - 0
22 - 0
23 - 0
24 - 5
25 - 0
26 - 0
27 - 0
28 - 0
29 - 0
30 - 0
31 - 1
32 - 6

Ordine fis3, fis1, fis2:

1	3
2	32
3	9
4	-1
5	7
6	8
7	4
8	-1
9	-1
10	0
11	2
12	0
13	0
14	0
15	0
16	31
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	5
25	0
26	0
27	0
28	0
29	0
30	0
31	1
32	6

Ordine fis 3, fis 2, fis 1:

1	3
2	32
3	8
4	-1
5	7
6	9
7	4
8	-1
9	-1
10	0
11	2
12	0
13	0
14	0
15	0
16	31
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	5
25	0
26	0
27	0
28	0
29	0
30	0
31	1
32	6