Varun Verma CS-B1 (Roll no-38) 1801010170

2020 Thursday July 30 212-154 • WK 31

9.00

Assignment -5

Operating System

Olles 1 > How many page faults would occur for the following rieference straing for four page frames using FIFO algorithms:

1,2,3,4,5,5,3,4,1,6,7,8,7,8,9,7,8,9,5,4,5,4,2

	the state of the s		
Sh.no.	Reference string	Frames (4)	Page fault
1.	1 0	1, -, -, -	Jyes J
2.00 2.	2		Yes
, and a	3	2,1, -,- 3,2,1,-	Yes
3.00	4	4,3,2,1	Yes
5	5	5,4,3,2	Yes
6.	5	5, 4, 5,2	
4.00	3	5,4,3,2	
8.	4	5,4,3,2	_
5.00 9.	1	1,5,4,3	Yes
10.	6	6,1,5,4	Yes
6.00 11.	7	7,6,1,5	Yes
12	8	8,7,6,1	Yes
7.00 13	7	8,7,6,1	<del>-</del> '. τ
14,	8	8,7,6,1	- ,
15.	9	9,8,7,6	Yes
16.	7	9,8,7,6	
17,	8	9,8,7,6	_
18 -	9	9,8,7,6	-
19.	5	5,9,8,7	Yes
NOTES 20 .	4	4.5,9,8	Yes
21.	5	4, 5, 9, 8	
<b>与企业的</b>	4		7
<del>23,</del>	2	2,4,5,9	Tes

31 2020 Friday July

9.00

12.00

07 July 2020 wk M T W T F S S 27 1 2 3 4 5 28 6 7 8 9 10 11 12 29 13 14 15 16 17 18 19 30 20 21 22 23 24 25 26 31 27 28 29 30 31

No. of Page fault = 13

02] Consider the following enference storing 1,2,3,4,2,1,5,6,1000 2, 1,2,3,7,6,3,2,1,2,3,6,. How many page fautt, occurs for LRV Page Replacement also ? Assuming those frames and all frames are inetially emple

Br. no. Frames (3) 11, -1, -1425 2,1,-2. 3. 3, 2, 1 Yes 4. 4,3,2 Yes 3.00 5. 2,4,3 6. 1 1,2,4 4.00 7.0 TRS 5,1,2 В. 6 Yes 6,5,1 2 9, 2,6,5 FRS 1 10. 1,2,6 Yes 6.00 2 11, 2,1,6 3 12, 3,2,1 Tes 7.00 13. 7,3,2 Yes 6 14, 6,7,3 Yes 3 15. 3,6,7 16. 2, 3,6 Yu 17. 1 1,2,3 tes 18. 2 2,1,3 NOTES 19. 3 3, 2, 1 20. Yes 6,3,2 No of Page fault = 15

2020
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August 2020 wk M T W T F 5 5 31 31 1 1 2 31 31 1 2 32 3 4 5 6 7 8 9 33 10 11 12 13 14 15 16 34 17 18 19 20 21 22 23 35 24 25 26 27 28 29 30

214-152 • WK 31	n the following page 1,2,0,3,5,1,5,7,	res of a n	eference
Q3 Conside	n the journ's	2 0 3 5 4	1,2,5,37
9.00 staling	1,2,0,3,1,3,1,	2,2,0,0,0,0	algorithm
Implean	ent optional page calculate the num considering those	replace meno	Anoust.
10.00 and	calculate the num	our of page	- Julian
by	considering thouse	frames 191	a old cla
11.00		Apple 1	
Sn no.	Reference string	Frances (3)	Page faul
12.00 1	1	1, -, -	UYES
2.	2	1,2,-	Yes
1.00 3.	0	1,2,0	Yes
4.	3	1,2,3	Yes
2.00	5	1,2,5	Yes
6.		1,2,5	Suspend
3.00 7 '	5	1,2,5	
· · · · · · · · · · · · · · · · · · ·	7	7,2,5	tus
4.00 9,	2	7,2,5	_
10.	6	0, 2, 5	Yes
5.00	3	3,2,5	Yes
12	5	3,2,5	
6.00	Ч	4,2,5	Yes
141	1	1,2,5	428
7.00 15	2	1,2,5	
16.	5	1,2,5	-
02 Suhyay	8	3,2,5	Yes
19.	7	3, 7, 5	yes.
	No. of page f	Pault = 19	
NOTES	0111		

Wk M T W T F S S 36 1 2 3 4 5 6 37 7 8 9 10 11 12 13 38 14 15 16 17 18 19 20 39 21 22 23 24 25 26 27 40 28 29 30		2020 Monday August	03 216-150 • WK 32
04] what o	lo you mean by with a suita	Belady's a	uomaly
900 enplain	with a suita	ble enample	20
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found in (	I the number of	of page fault	which
tells tha	on increasing	the no. of	frames
the no	the number of page fault	also inorka	ses.
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vi sim	g jellowing	cre :-	
300 Sn. no.	Reference Straing	Frames (3)	Poar Court
1	1	1, -, -	Page fault
400 2	2	2,1,-	Yes g
3	3	3,2,1	Yes
5.00 4	4	4,3,2	Yes
5	18' 4 L 41 11	1, 4,3	Yes
600 6	2	2, 1,4	Yes
	5	5, 2, 1	Yes No
7.00 8	41	5, 2, 1	( )
9	20001	5, 2,1	
10	3	3,5,2	Yes
	4	4, 3, 5	Yes
	5.5	4,35	
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	no of page	fault = 9	
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7-149 • WK 32	Reference string	Frances (4)	Page Jank.
Sn. no:	1 Journal of	1,-,-,-	Yes
1	2	2,1,-,-	Yes
2	3 ,	3,2,1,-	yes
4	4	4,3,2,1	Yes
00 5	1.18 2.18 1 V 1831	4,3,2,1	= <del>-</del> V.A
6.	2	4,3,2,1	No.
00 7	5	5,4,3,2	Yes
8	1 1 1	1,5,4,3	Yes
3 9	2	2,1,5,4	YLS
10	3 045	3,2,1,5	Yes
) 11	4	4,3,2,1	Yes
12	5	5, 4, 3,2	Tes
1 4 - 1	This is the grant	. 17: 11:14	9
	no of Page	fauilt = 10	•
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во, не	can see the	Bleady's auom	aly
here.	when frams inco en page fauct	uesed from	( 3 to
4 th	en page fauct	also increase	d from
9	to so.		U
Est Conf		ď	\
05 P	rove that LAV	policy do not	- suffer
from	Belady's nomali e strung! 1,2, 9,5,4,5,4,2 Ass	usking the	following
neference	e struing! 1,2,	3, 3, 4, 1, 5, 3, 4, 1,	6,7,8,70
0 8,	9, 5,4, 5, W, 2. ASS	sume that t	here are
thre	e and fine l	rames which	are
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36 7 8 9 10 11 12 37 14 15 16 17 18 19 38 21 22 23 24 25 26 39 28 29 30 Sh, no.	Reference struing	Frames (3)	Page fault
9,00 1	0 1	1,-,-	Page Jauet
2.	2	2,1,-	tes
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у,	3	3,2,1	<b>%</b> —
11.00 5.	4	4,3,2	Yes
6.	1	1,4,3	Yes
12.00 7.	5	5,1,4	7 es
g.	3	3,5,1	Yes
1.00 9.	4	4,3,5	78
10.	1 1 .	1,4,3	tes
2.00	6	6,1,4	Yes
12,	7	7,6,1	Yes
3.00 13.	B	8,7,6	Yes
14.	7	7,8,6	
400 15.	8	8, 7, 6	
16,	9	9,8,7	tes
5.00 17 .	8	8,9,7	<u> </u>
18.	7	7,8,9	
6.00 19,	B	8,7,9	
20,	9	9,8,7	
7.00 211	5	5,9,8	7 8
27,	40	4,5,9	Yes
23.	5	5,4,9	
24.	4 7	4,5,9	-
25.	2	2,4,5	Yes
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2020 Thursday August

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19-147 • WK 32	- I a gara	(E)	Proce bu
Sq, no.	Reference String	Frames (5)	Page Jeu
.00	0		Yes
1	1	1,-,-,-	
0.00 2	2	2,1,-,-,-	Yes
3	3	3,2,1,-,-	tes
1.00 4	3	3,2,1,-,-	
5	4	4,3,2,1,-	785
2.00	1.	1,4,3,2,-	
7	5	5,1,4,3,2	Yes
00 8	3	3,5,1,4,2	7
9	4	4, 3, 5, 1, 2	-
00 10	1	1,4,35,2	
1( *	G	6,1,4,3,5	Tes
00 12	7	7,6,1,4,3	Yes
13	8	8,7,6,1,4	7.es
00 14	7	7,8,6,1,4	-
15	B	8,7,6,1,4	
00 16	q	9,8,7,6,1	7 ls
17	8	8,9,7,6,1	
00 18	7	7,8,9,6,1	
19	8	8,7,9,6,1	•
20	9	9,8,7,6,1	1
21	5	5,9,8,7,6,	Yes
22	4	4, 5, 9, 8, 7	Yes
23	5	5, 4, 9, 8, 7	•
24	4	4,5,9,8,7	
25	2	2, 4, 5, 9, 8, 7	Tes
OTES			
The second second	no of Page	- 12	