HAME: LRUNAL RANK Rou No: - U18 C0081 CLASS - BTECH JRD EAR COMPUTER ENGINEERING GEMESTER : EXAM: MID GEMESTER EXAM

1/6 Proce VISCOOSLKRUNAL RANK Andy Crivan. Page size = 8 KB
Page table entry size = 4 bytes

2/6 Page UISCOOST - KRUNAZ PANK Ans b a) LRV cache replaces the page that is least recently from the given details, Page I was least recently used at time T=260 clock highs.
Hence it will be replaced. b) For the second replacement, Page 3 was least recently used at time 7=265 ticks Hence, it will be replaced



The Given, No of bits for segment = 4 No of bits for page = 12 No of bits for offset = 12

Then the user searches for Ox CODGBAD, If the address it is looking for in binary is:

The add segment he is looking for DXC.

Page in Segment = OXODED Offset = Dx BAD

If the regulard entry is found in the Segment Ox C and then the validity is checked Then the PTE OXDE OXODED X14 is charled and the physical page is found. It is then shifted by OxBAD offset. Hopefully, all that was in TLB and cached in handware

of a physical page number, Present bit is unset and disk offset to the page on disk and generate a page fault.

The OS then requests that black to be loaded. When the page is returned, a physical page is allocated, and process is continued.

of bounds ph. in which the process hould xaire a page Soult and since its not valid, it is killed.

	UISCOOST- KEUNAZ PANK 4/8 (Prote Proje C)
July 1	Given Permence String 5 0 4 4 0 3 0 4 1 0 2 0 5 3 0 1
	No of frames =3
	5 0 64 4 0 3
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	FFF
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	Total faults: 8 (Including 3 initial faults)

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	Page Frame	1	- Gold
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	0 26		2
— - A-	26 52		T: _
l e	3 - 20	1	1
T G	4 53		10
h	5 6		c
2		7 15 40 = 25 58 45	1
	Page Table	20	m
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	UISCOOST- KRUNAZ PANK	
	6/6 () tone ()	May.
	Physical III	
	Physical address = Page size & frame number + offset	
	Physical address of man and the	
Y	Physical address of d = 31 (122)	
	mysical address of v= 25 (4x(+1)	100000000000000000000000000000000000000
	Physical address of m > 80 (4×20) Physical address of d = 31 (4×7+3) Physical address of v = 25 (4×6+1) Physical address of 8 = 4×55+1=221	
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