

virtual memory assignment

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Problem 9.11

Part a)

13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	1	0	0	1	1	1	1	1	0	0

Part b)

Parameter	Value
VPN	0x9 - 1001
TLB index	0x1 - 1
TLB tag	0x2 - 10
TLB hit	No
Page fault	No
PPN	0x17 - 10111

R
0x027C

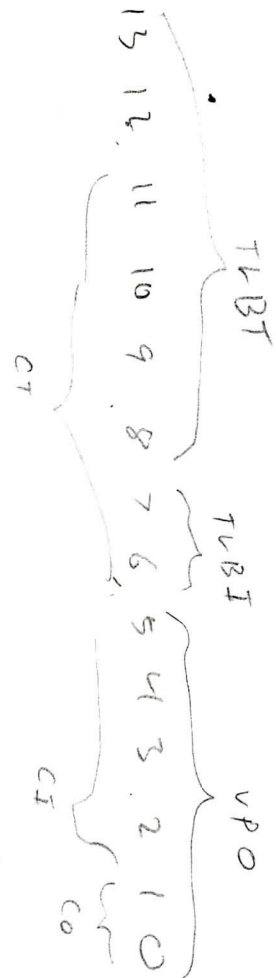
Part c)

11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	1	1	1	1	1	1	1	0	0

0x5FC

Part d)

Parameter	Value
Byte offset	0x0
cache index	0xf
cache tag	0x17
cache hit	No
cache byte Ret	N/A



Problem 9.12

Part a)

13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	0	0	0	1	1	1	0	1	0	1	0	0	1

Part b)

Parameter	Value
VPN	0xE - 1110
TLB index	0x2 - 10
TLB tag	0x3 - 11
TLB hit	No
Page fault	No
PPN	0x11 - 10001

R
0x02A9

Part c)

11	10	9	8	7	6	5	4	3	2	1	0
0	1	0	0	0	1	1	0	1	0	0	1

0x469

OVER

part d)

Parameter	Value
Byte offset	0x1 - 1
cache index	0xA - 1010
cache tag	0x11 - 10001
cache hit	No
cache byte ref	N/A