

3827 OH

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Overview

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Announcements

Announcements: Upcoming Exams and Homework

- HW9 due 4/22
- Sec 3 final exam 5/6 (tentative)
- Sec 1/2 final exam 5/12 (tentative)

Announcements: Feedback

- Form: <https://forms.gle/cnUmKVNYN7WvRbHA6>

Homework 9 Material

Homework 9 Material: Overview and Relevant Lectures

- Cache locality (Lecture 13, Slides 19-22)
- • Blocks (Lecture 13, Slides 23-31) C1/C2
- Reading from Cache (Lecture 13, Slides 32-35)
- Direct Mapping (Lecture 13, Slides 36-66)
- Direct Mapping MIPS (Lecture 13, Slides 67-72)
- Associative Mapping (Lecture 13, Slides 73-89) C3
- Writing to Memory (Lecture 13, Slides 90-93)

Homework 9 Material: Notes

- For Q1 and Q2:

cache slots

5 7

Q1:

16 one-word
blocks

Addr % 16

Addr	0	1	2	3	...	13	14	15	Hit/Miss
5					X				Miss
7					5 X				Miss
13					5 7	X			
15					5 7	13		X	
5					5				Hit
19				X	5				Miss
21				19	X 7	13		15	Miss
5					X				Miss
7									
13									
22									
5									
23									

23 = 7 (mod 16)

Homework 9 Material: Notes

- For Q1 and Q2:

Addr	0	1	2	3	...	13	14	15	Hit/Miss
5									
7									
13									
15									
5									
19									
21									
5									
7									
13									
22									
5									
23									

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