

Chapter 5 : Large and Fast: Exploiting Memory Hierarchy & Virtual Memory

0分,共0分

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Question 4 (5.20)

6分,共6分

[5.3] means you should have read Section 5.3. Under the Covers, to help you solve this exercise

In this exercise, we will examine how replacement policies affect miss rate. Assume a two-way set associative cache with four 4-byte blocks. Consider the following address sequence: 0, 1, 2, 3, 4, 5, 6, 7, 0, 1, 2, 3, 4, 5, 6, 7, 0.

1. [5.4] It is possible to have an even greater cache hierarchy than 2-levels? Given the processor above with a 2-level, direct-mapped cache. A designer want to add a third-level cache that takes 50 cycles to access and will have a 1.3% miss rate.





EE3450 Hw5 - Question 4 (5.20)

