## Computer Architecture

Caches 1

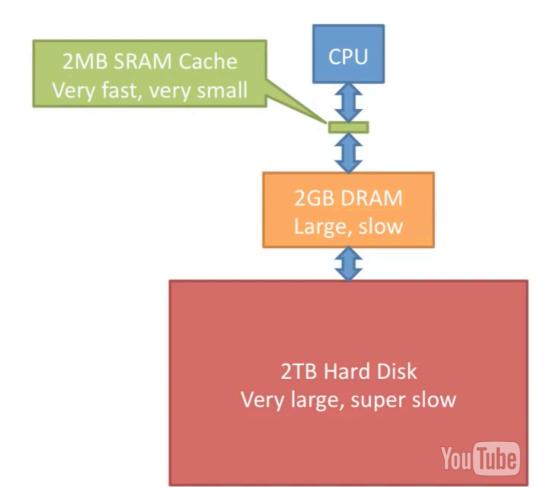
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We define the memory hierarchy...

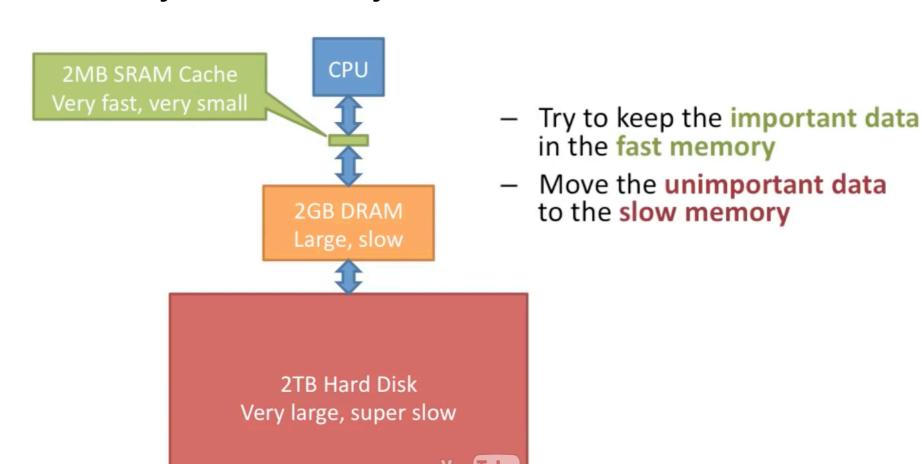
How to do this???

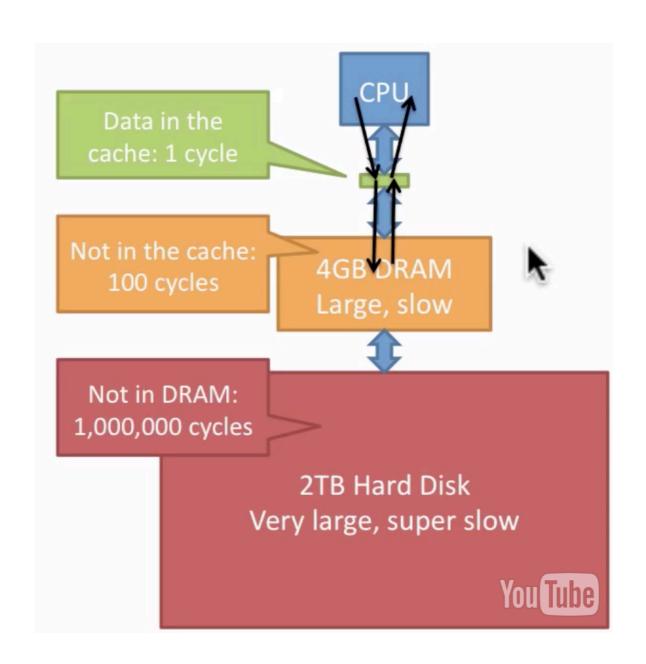
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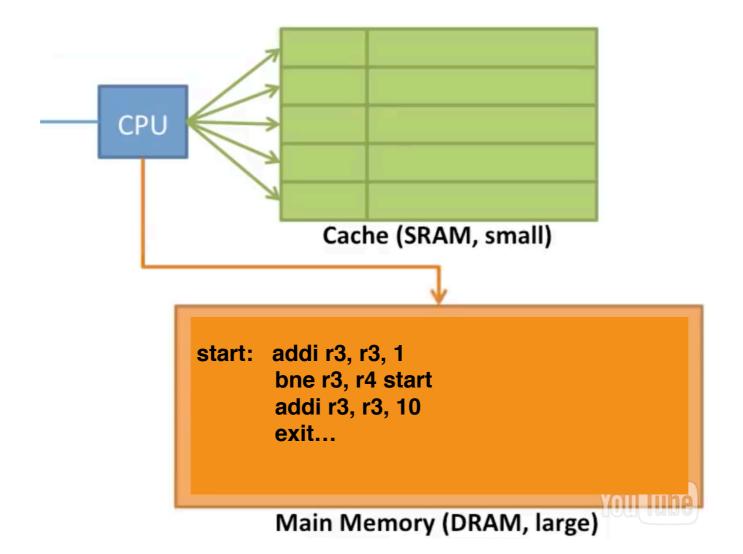


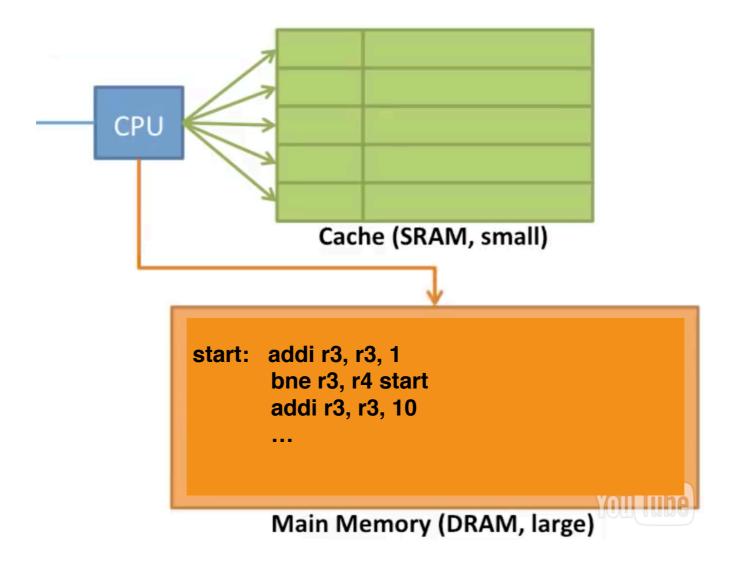
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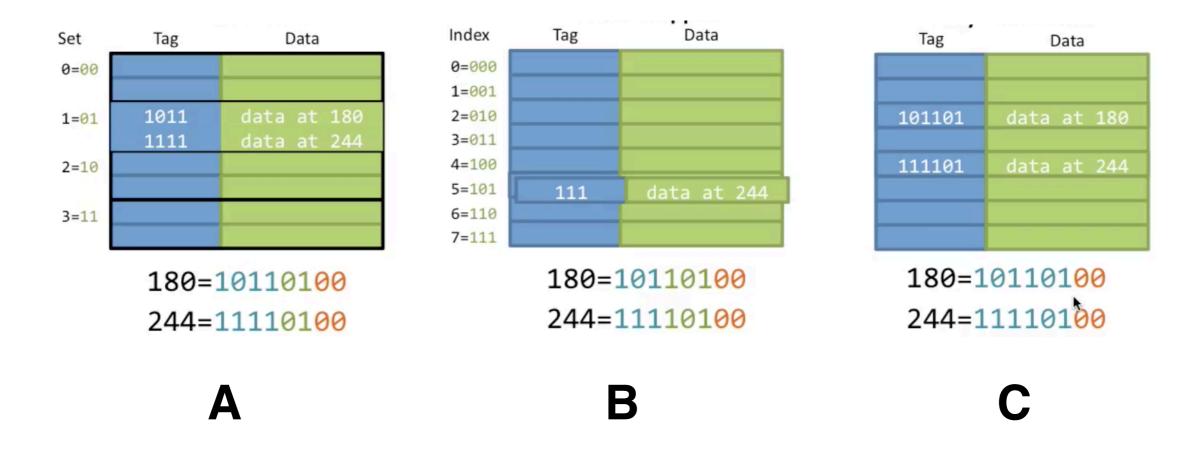






How many hits in the cache there will be when this set of instructions is executed? Assume that initial values of r3 and r4 are 0 and 10 respectively.

## Question: Identify what type of caching is demonstrated in the following illustrations.



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Set-Associative Direct-Mapped Full Associative

## Note:

- Last topic to watch: Caches 1 (lecture/quiz Monday 5/15)
- Final Exam Schedule:
  - Thursday, 5/25 (1-3PM) Block A
  - Thursday 5/25 (3:30-5:30PM) Block B