

Recitation 3:

Homework 1: Overview

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September 17, 2014

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Topics

- Introductory concepts – ISA, DSI, CPI etc
- Pipelining
- Branch prediction

Homework Questions – Brief Overview

- Multiple Choice Questions
- CPI Calculation
- Program Data Dependency Analysis
- Pipelined Processor Performance
- Branch prediction
- Two-level Adaptive Branch Predictor

Deadline

- Please submit a scanned copy of the pdf before

10/1/2014
4:00 pm PST

Resources

- Modern Processor Design – Fundamentals of Superscalar processors by John P. Shen and Mikko Lipasti
- T. Yeh and Y. Patt , “Two - Level Adaptive Branch Prediction,” Intl. Symposium on Microarchitecture, November 1991)
(http://web.calstatela.edu/faculty/nwarter/courses/EE548/isca-93_comp-2-level-bp.pdf)

Questions?
