COMP5123

Advanced Computer Architecture

Fall 2016

Homework #2

Instructor: Dr. Mary Heejin Kim

Chapter 2: Review & Exercise Questions

Due: September 13th 2016 Tuesday, 11:59 pm

Please upload your answer (pdf form) in Ecourses

Text book, 9th Ed.

1. List and briefly define some of the techniques used in contemporary processors to increase speed. (20 pts)
2. Briefly characterize Amdahl's law. (10 pts)
3. Briefly characterize Little's law. (10 pts)
4. Problems from textbook (60 pts -- 15 pts each, pp. 62 - 64)

   a) 2.10
   b) 2.11
   c) 2.14
   d) 2.18