

Machine Organization and Assembly Language Programming

Problem Set #4

Due: Thursday, February 4

This assignment is on the material covered in Chapter 2 and Chapter 5 Sections 1-3 of your book.

Assignment #5 will be the continuation of the JVM simulation. A hand-out will be given shortly. Assignment #5 will be due on February 11.

1. Problems 2.1, 2.2., 2.3, 2.4, 2.5
2. Problems 2.10, 2.11, 2.12
3. Problems 2.18, 2.19, 2.20, 2.21, 2.22, 2.23
4. Read the book page 101 explaining Amdahl's law. Then do:
Problems 2.41, 2.42, 2.43
5. Problems 5.1, 5.5 and 5.10 (only for the single cycle implementation)