

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
15.082J/6.855J/ESD.78J – Network Optimization (Fall 2010)

**Problem Set 2**

**Due Session 7**  
**at the beginning of class**

Hand in the exercises labeled 1, 2, 3 and 4.

**READINGS in AMO.**

- Section 3.5 in Chapter 3, “Algorithm Design and Analysis,” pages 79 to 84
- Chapter 4, “Shortest Paths: Label-Setting Algorithms,” pages 93 to 122

**HOMEWORK EXERCISES.**

**Chapter 3 of AMO**

Exercise 3.49

Exercise 3.53

**1. Exercise 3.54**

**Chapter 4 of AMO**

Exercise 4.1

Exercise 4.5

**2. Exercise 4.6**

Exercise 4.15

**3. Exercise 4.16 (should be started after Ses #6).**

Exercise 4.21

Exercise 4.23

Exercise 4.29

Exercise 4.37

**4. Exercise 4.40**

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