

Concepts and Algorithms of Optimization – Series 7

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November 29, 2019

Exercise 1

Consider problem described in Exercise 1 of Series 6.

- (a) Determine a linear programming formulation for the problem given in exercise 1(d).
- (b) Model and solve this problem by using AMPL.

Exercise 2

Consider the office assignment problem of the *SofTech Inc* described in Exercise 2 of Series 5.

- (a) Interpret this problem as a maximum weighted perfect matching problem and give an general mathematical formulation.
- (b) Model and solve this problem by using AMPL.