

Concepts and Algorithms of Optimization – Series 7

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Exercise 1

Consider the sequencing problem of the *Color Ink* company given in Series 1.

- (a) Give an integer programming formulation of this problem.
- (b) Solve the given problem by applying AMPL.

Exercise 2

Consider the touring problem of the construction manager given in Series 2.

- (a) Indicate the differences of the corresponding integer programming formulation with regard to the sequencing problem in the previous exercise.
- (b) Solve the touring problem of the construction manager by applying AMPL.