Due January 14th, in class (at the beginning of the lecture period)

Readings: [IPM10e] Section 4.1 (p.191-195)

Problems for Self-Study (NOT for turn in):

1. [IPM10e] Example 4.4, 4.6, 4.7 on p.193-195
2. [IPM10e] Exercise 4.1 (Solutions in p.748)

Problems for Turn In:

1. [IPM10e] Exercise 4.3
2. The Smiths receive the paper every morning and place it on a pile after reading it. Each afternoon, with probability 1/3, someone takes all the papers in the pile and puts them in the recycling bin. Also, if ever there are at least five papers in the pile, Mr. Smith (with probability 1) takes the papers to the bin in the afternoon. Consider the number of papers in the pile in the evening. Is it reasonable to model this by a Markov chain? If so, what are the state space and the transition matrix.