Homework 5

Solve the following exercises:

- Exercise 3 of Chapter 13, after modifying the question as follows (15 points):

  1. In part (a), replace the last sentence "Also, give a formula ..." with: Also, give a formula (in terms of d, the number of conflicts per process) for the probability that a given process is in S.

  2. In part (b), replace the last two sentences ("In terms of ... this optimal value.") with: Give a value for p (in terms of d) so that the probability that a given process is in S is as large as possible.

- Exercise 9 of Chapter 13 (15 points)

- Exercise 3 of Chapter 6 (15 points)

- Exercise 4 of Chapter 6 (15 points)

The homework is due Tuesday, Nov 9, in class.