Combinatorics HW Assignment #2 (Chapter 3: Elementary Counting Problems)

Practice Problems (Not to hand in): p. 47, # 1, 3, 8, 18, 19

Problems That Count (To hand in): p. 51, # 26, 32, 35, 39, 41

Bonus Problem (Extra Credit):
(a) A coin is tossed 10 times and the resulting sequence of heads and tails is recorded. How many sequences are possible with no two consecutive heads?
(b) Repeat the problem in (a), but with 11 tosses instead of 10.
(c) Guess, without proof, an answer to the generalization with n tosses.

Problems are due at the beginning of class on Wednesday, September 3.