HOMEWORK 7

1 Solve Sipser 2.9.
2 Solve Sipser 2.20.
3 Solve Sipser 2.24.
4 Solve Sipser 2.30(a,c,d).
5 Solve Sipser 2.31.
6 Solve Sipser 2.45.
7 Solve Sipser 2.47(a,b).
8 Give PDAs for the following languages:
   a. binary strings in which every prefix contains at least as many 0s as 1s;
   b. binary strings that contain equally many 0s and 1s;
   c. binary strings that contain at least as many 0s as 1s;
   d. odd-length binary strings with middle symbol 0;
   e. strings of the form v#w, where v and w are binary strings and w contains v^R.