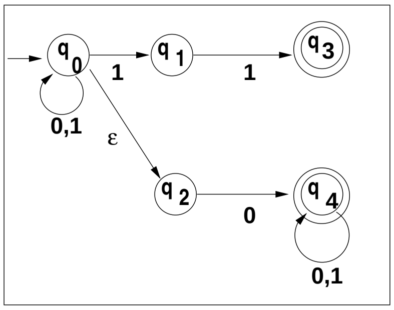
CSE105 Sections A and B Homework 1 Fall 2001

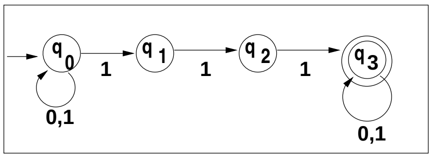
Note: The homework is the same for both sections. It will not be handed in. However, you are *strongly* encouraged to do the homework in order to prepare for the first quiz on **October 16**. The quiz will contain similar problems.

1) #1.4 (a,d,f,i,l,n)
2) #1.6
3) #1.7
4) #1.10 (a)
5) #1.12 (a)
6) #1.13 (b,c,g,h,i,n)
7) #1.14
8) #1.17 (a,b)
9) #1.24
10) Describe the languages recognized by the nondeterministic finite automata N_1 and N_2 given by the following state diagrams:

    (a) N_1:



    (b) N_2:



Additional Problems: #1.10 (b), #1.31, and #1.41 (hard!).