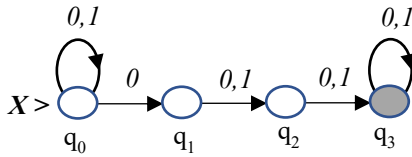


CS 302-HOMEWORK 1
(due October 18, 2023 before recitation)

Question 1:



Consider the NFA X given above and let L be the language accepted by X . Compute a finite state automaton Y , DFA or NFA that accepts the language L^c (complement of L).

Questions from the main text:

2.2.5, 2.2.6 (b)

2.3.3, 2.3.4 (b) and (c)

2.5.2