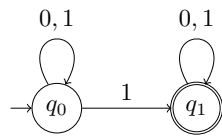


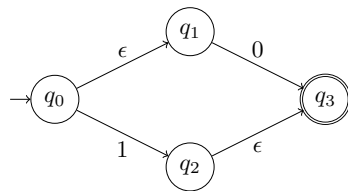
1. Use Thompson’s algorithm to create an NFA for the following regular expressions:

- (a) $(0 + 1)^*$
- (b) $01^* + 10^*$
- (c) $(0 + \epsilon)^* 1^* (0 + \epsilon)^*$

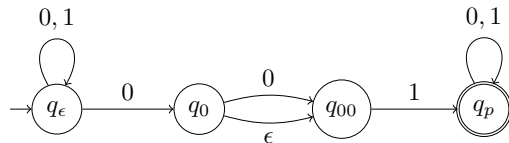
2. Use the incremental subset construction to build a DFA that accepts the same language as the following NFAs:



(a)



(b)



(c)

Work on this later:

4. Use the incremental subset construction to convert the NFAs from part 1 to DFAs