Theory of Computation

Exercise 3: (Nondeterministic Finite Automata - NFA)

1. Construct the minimal-state NFA that accepts the

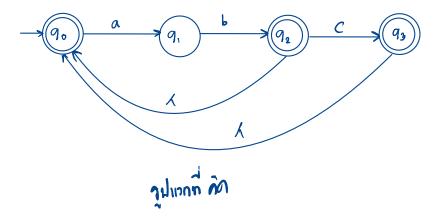
language
$$\{ab, abc\}^* = \{\lambda, ab, abc, ababe, abcab, abcabe, ab$$

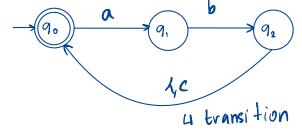
ab aa ba bh 2

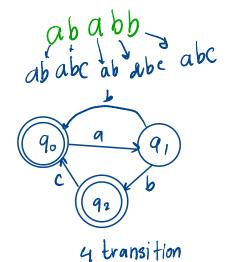
aaa, aab, aba, abb, baa, bab, bba, bbb 3

ababeabe abe abe

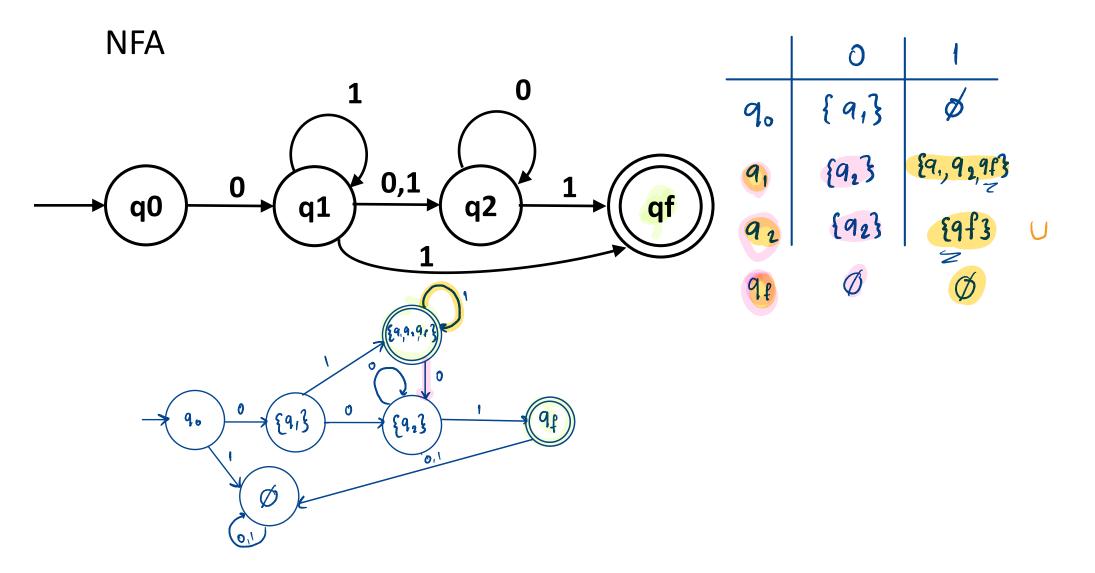
abcab



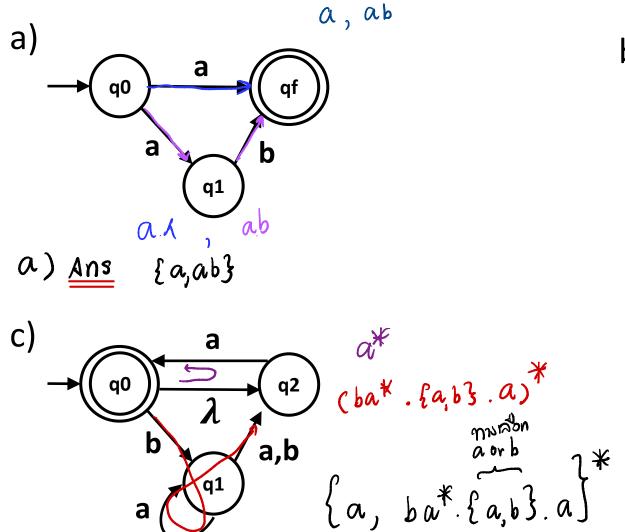


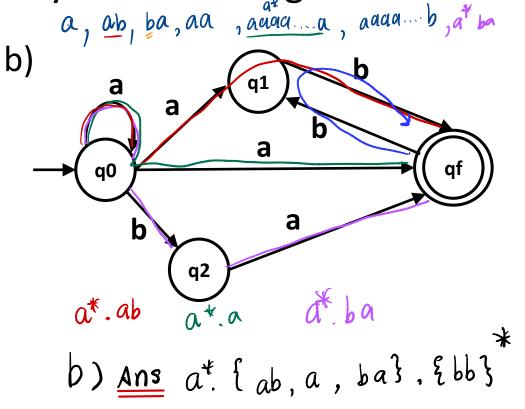


2. Convert the following NFA to DFA



*3. What are the languages accepted by the following NFA?





(Homework 2)

