

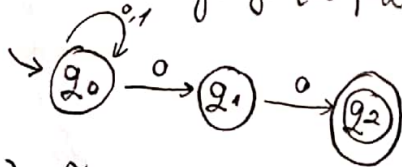
Laborator 3

Termi realizat de: Cordun Diana-Alexandra, Postolache Andreea-Cliruna,
Sandu Raluca-Ioana

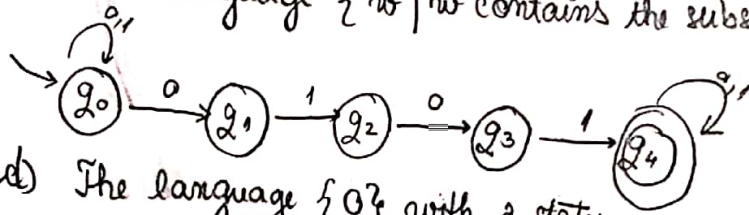
Ex 2 Create configuration files for NFAs from Ex. 1.7 (Sipser)

In all parts, the alphabet is $\{0, 1\}$

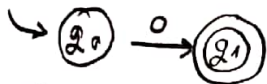
a) The language $\{w \mid w \text{ ends with } 00\}$ with 3 states



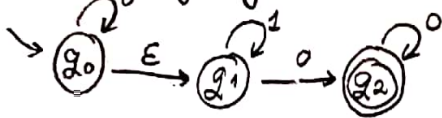
b) The language $\{w \mid w \text{ contains the substring } 0101\}$ with 5 states



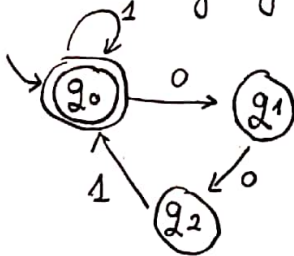
c) The language $\{0\}$ with 2 states



e) The language $0^*1^*0^+$ with 3 states



f) The language $1^*(001)^+$ with 3 states



g) The language $\{\epsilon\}$ with one state



h) The language 0^* with one state



i) The language $\{w \mid w \text{ contains an even number of 0s, or contains exactly two 1s}\}$ with 6 states

