Second Example

In each case, alphabet \([0,1]\)
Give (separate) FA for:

A. all strings starting with 0
B. ending with 0
C. containing exactly one 0
D. all strings not containing 0

Answers

- letters/names of states optional
- can write multiple chars on arrow
- \(Y\) & \(Z\) are traps
state = memory of FA

- it is important that FA does correct for E
- this FA is actually special type called deterministic FA or DFA.