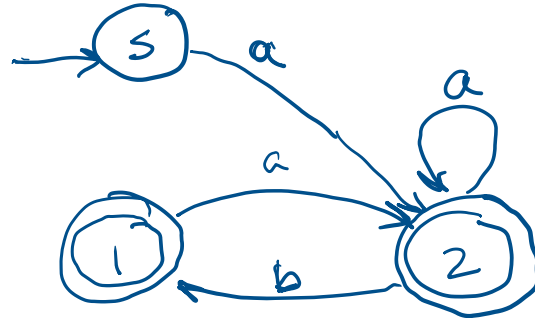


Sample Finite State Machines, all of which are deterministic:

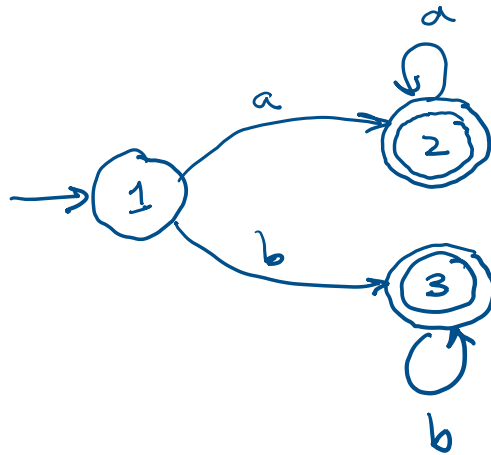
1. Strings of a's and b's with each b right after an a. The empty string is not included.

accepted:
 a
 aa
 ab
 a b a a b a

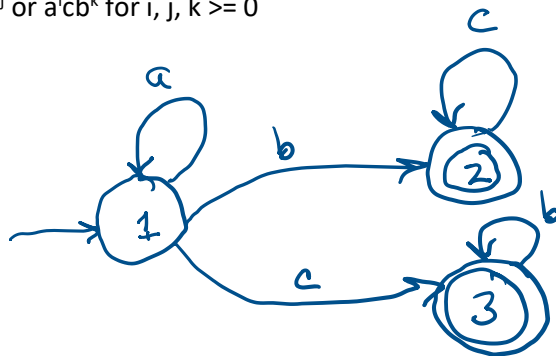
not accepted: b, a b b



2. Non-empty strings of either a's or b's, but not both.



3. $a^i b c^j$ or $a^i c b^k$ for $i, j, k \geq 0$



accepted: b, c
 a a b c c c
 a a b
 a a c
 a c b b b

not accepted: ϵ , a, a b c b