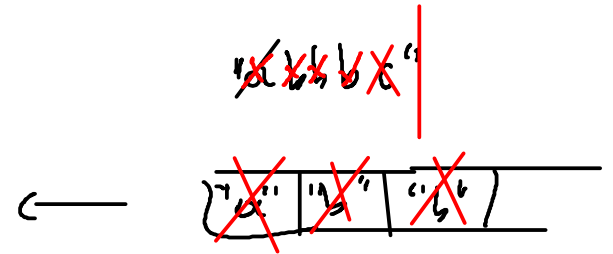
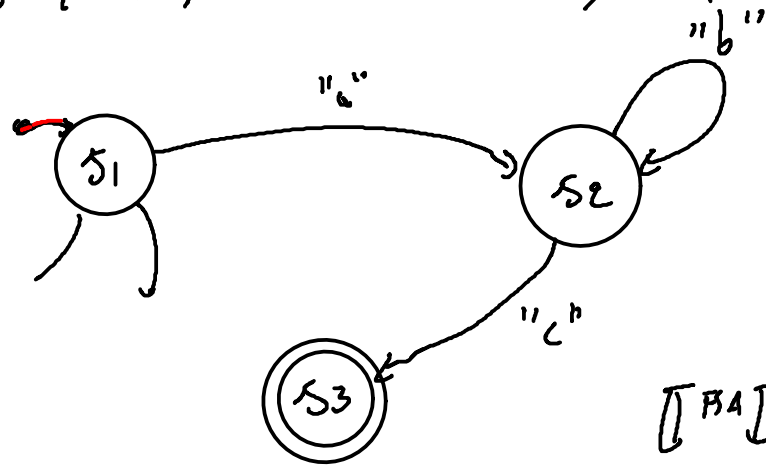


DETERMINISTIC

DFA

$$FSA = \langle S, \sigma_i \in S, T \subseteq S \times S \times L, Acc \rangle$$

"a b+c"  
 ↑  
 REG EX PR



$$L(FSA) = \{ "ac", "abc", "abbc", \dots \}$$

$$S = \{ \sigma_1, \sigma_2, \sigma_3 \}$$

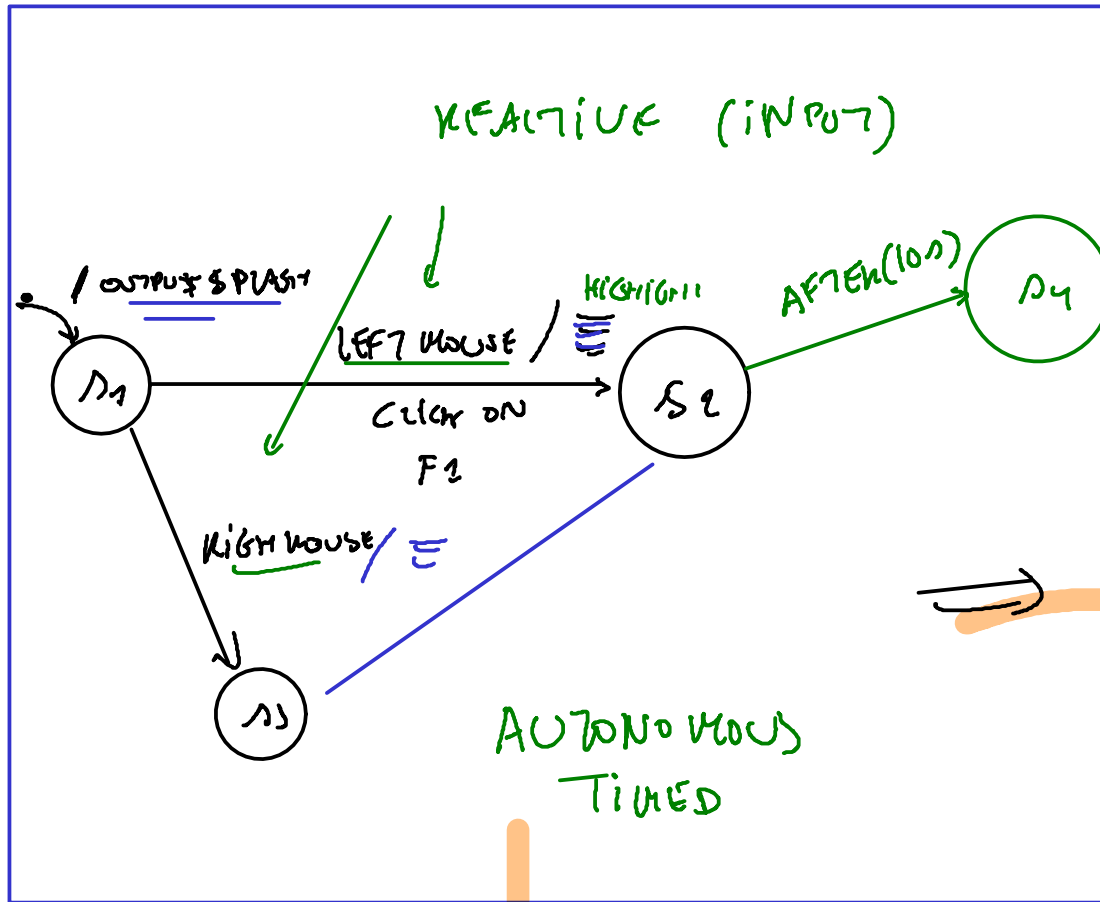
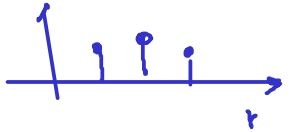
$$\sigma_1 = \sigma_1$$

$$T = \{ ((\sigma_1, \sigma_2), "a"), ((\sigma_1, \sigma_2), "b"), ((\sigma_2, \sigma_3), "c") \}$$

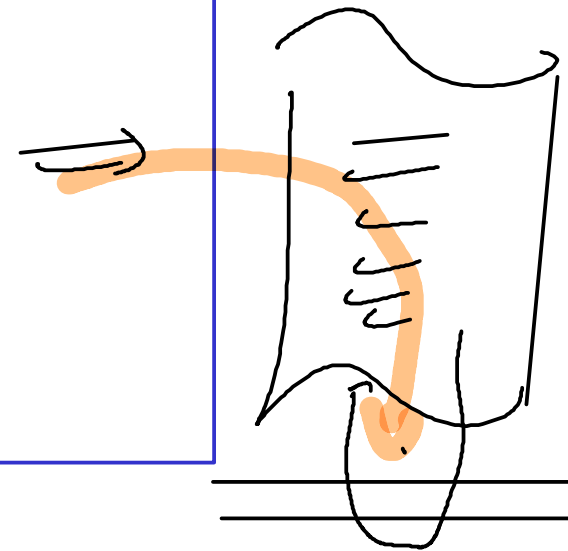
$$L = \{ "a", "b", "c" \}$$

$$Acc = \{ \sigma_3 \}$$

EVENT



OUTPUT



DATAPATH  
COMP ARCH

LOGIC GATE

