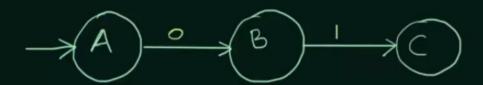
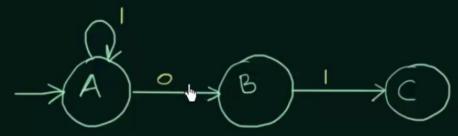
L-16 Construction of Moore machine1

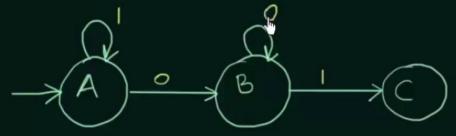


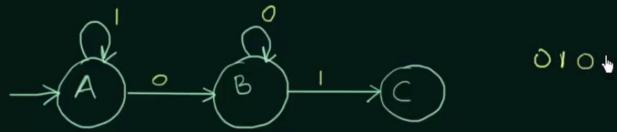






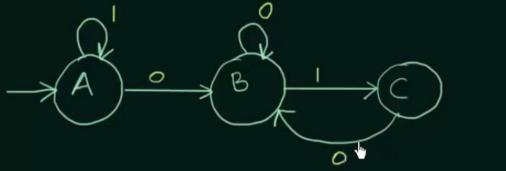


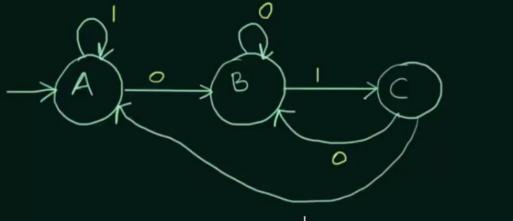


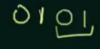


Construct a Moore Machine that prints 'a' whenever the sequence '01' is encountered in any input binary string

0101







$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$O101$$

$$O1101$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$C/a$$

$$O1[0]$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$C|a$$

$$O|O|$$

$$O|O|$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$C|a$$

$$O||O|$$

$$A|b$$

$$O||O|$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$C|a$$

$$O[0]$$

$$O[0]$$

$$A|b$$

$$O[0]$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$C|a$$

$$O[0]$$

$$A|b$$

$$D|b$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$C|a$$

$$O[0]$$

$$A|b$$

$$A|b$$

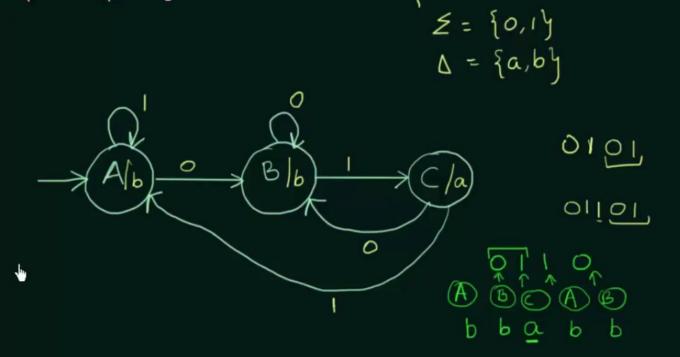
$$O(1)$$

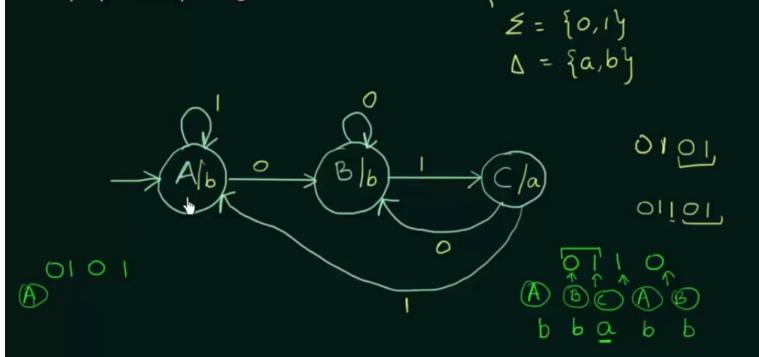
$$O$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$





$$Z = \{0,1\}$$

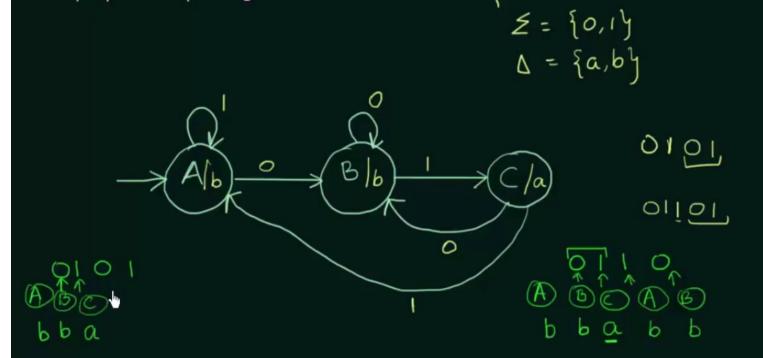
$$\Delta = \{a,b\}$$

$$A|b$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$



$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$C|a$$

$$O[0]$$

$$A|b$$

$$A|b$$

$$A|b$$

$$O|0$$

$$O|1$$

$$O|1$$

$$O|1$$

$$O|1$$

$$O|1$$

$$O|1$$

$$O|2$$

$$O|2$$

$$O|3$$

$$O|4$$

$$O|4$$

$$O|5$$

$$O|4$$

$$O|5$$

$$O|5$$

$$O|6$$

Construct a Moore Machine that prints 'a' whenever the sequence '01' is encountered in any input binary string

Z = {0,1}

$$A = \{a,b\}$$

Construct a Moore Machine that prints 'a' whenever the sequence '01' is encountered in any input binary string

Z = {0,1}

$$A = \{a,b\}$$

$$A =$$

$$Z = \{0,1\}$$

$$\Delta = \{a,b\}$$

$$A|b$$

$$C|a$$

$$O[0]$$

$$A|b$$

• Questions????