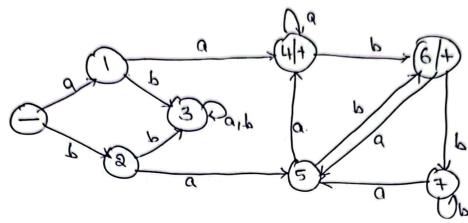
Name: Rama Kipshna kamma

CMID: 50321001

Grestion-9.

Given Finite automata is



Regular Expression:

(6+0) a a* + a (a+b)*b+b (a+b)*a+b (a+b)*b

is using the above enegated expression we can form the

Ly with this example, the finite automata starts with either a conb and and letter from the starting is "a".

a box is und a rement from the starty a con is and Ly The finite automata starty with extress a con is and extremely letter. ends with the different letter from the starty letter. Suppose it is starty with "b" then it must end with "a" and if it is starts with "a" then it must end "a" and if it is starts with "a" then it must end

worth "b".

agab =
$$90 \xrightarrow{Q} 91 \xrightarrow{Q} 94 \xrightarrow{Q} 94 \xrightarrow{P} 96$$

find state (accepting).

Rejected Strings:

ba =
$$90 \xrightarrow{b} 90 \xrightarrow{a} 95$$

unaccepted

$$bbb = 900 \xrightarrow{b} 900 \xrightarrow{b} 900 \xrightarrow{b} 900$$

unacrepted