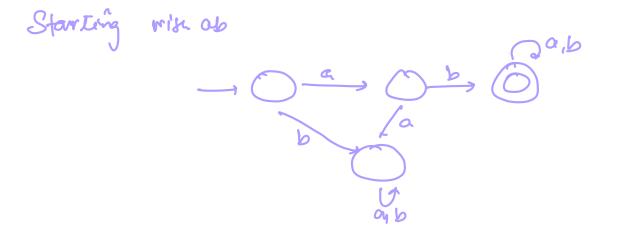
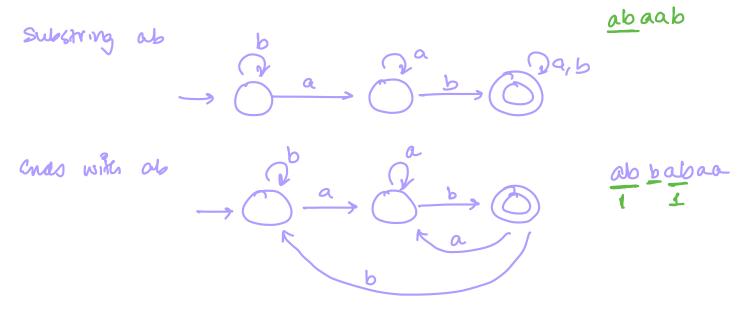
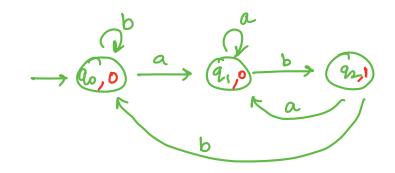


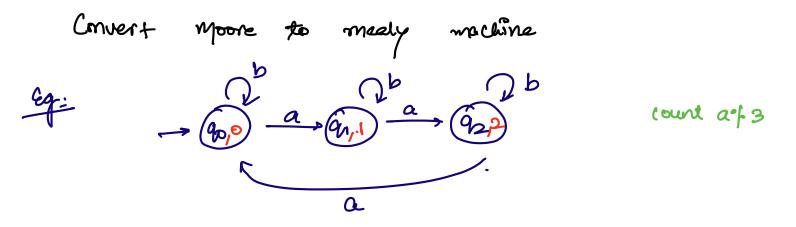
- - Input longth: n
    Ordflut longth: n+1
    Output longth: n
    - Q: Construet a moore m/c that takes set & all Strings over fab? as input & prints 1's as olp for every occurrence of 'ab' as a substring.







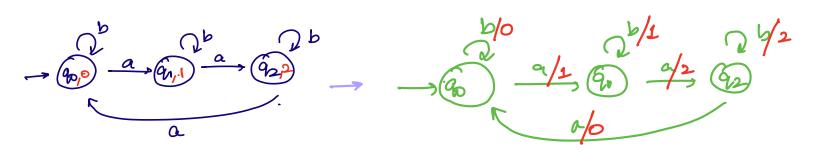
$$\begin{array}{c} ab \ a \ ab b b a b \\ q_0 \xrightarrow{a} q_1 \xrightarrow{b} q_2 \xrightarrow{a} q_1 \xrightarrow{a} q_1 \xrightarrow{b} q_2 \xrightarrow{b} q_2 \xrightarrow{b} q_0 \xrightarrow{b} q_0 \xrightarrow{a} q_1 0 \\ 0 & 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 \\ q_{21} \end{array}$$

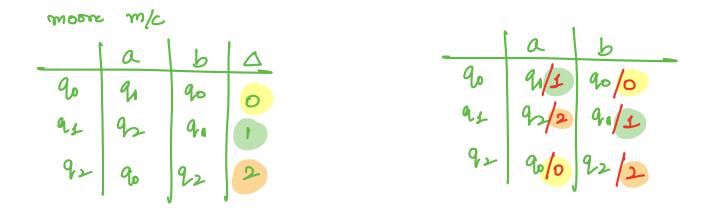


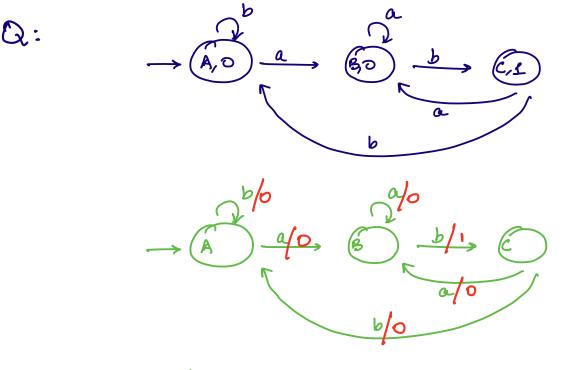
output - state associated

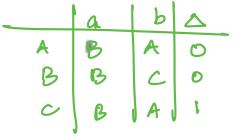
(Qo) ~~ Quint

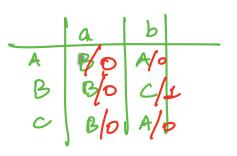


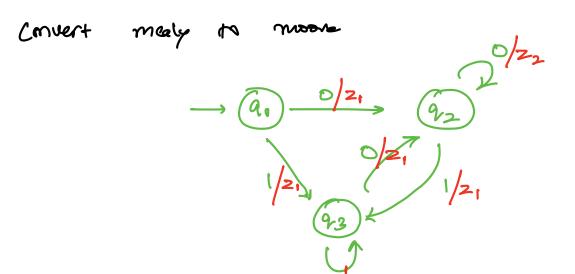




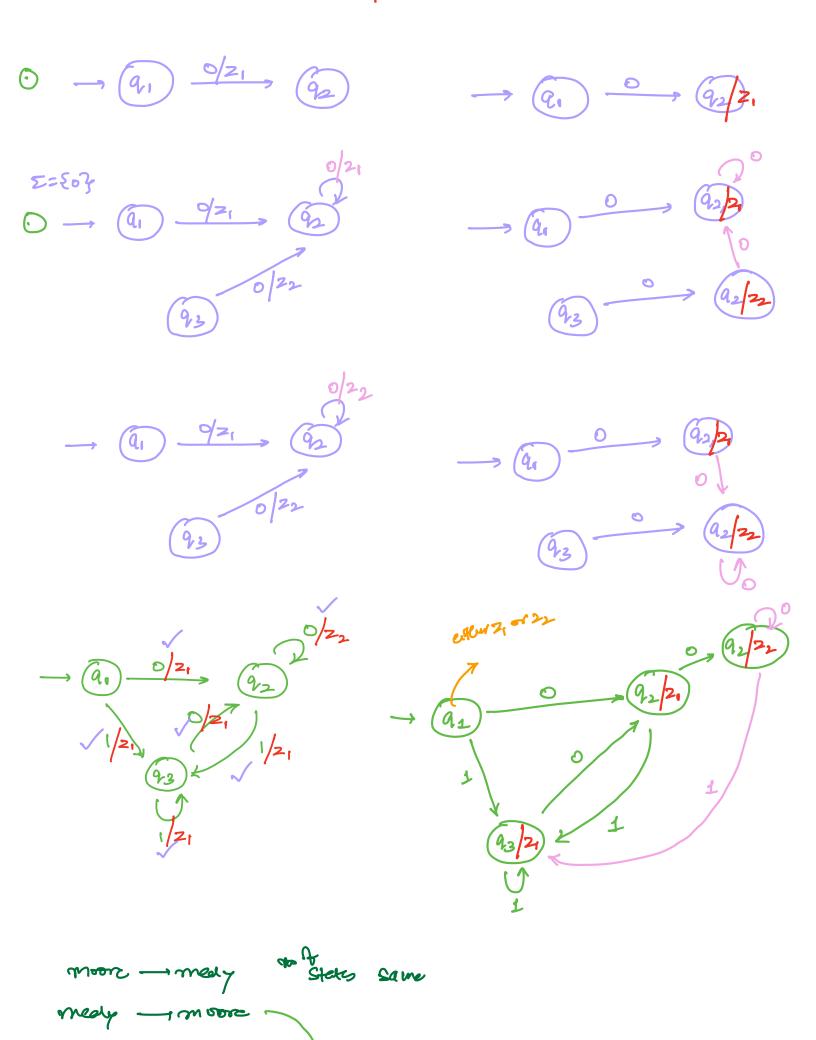


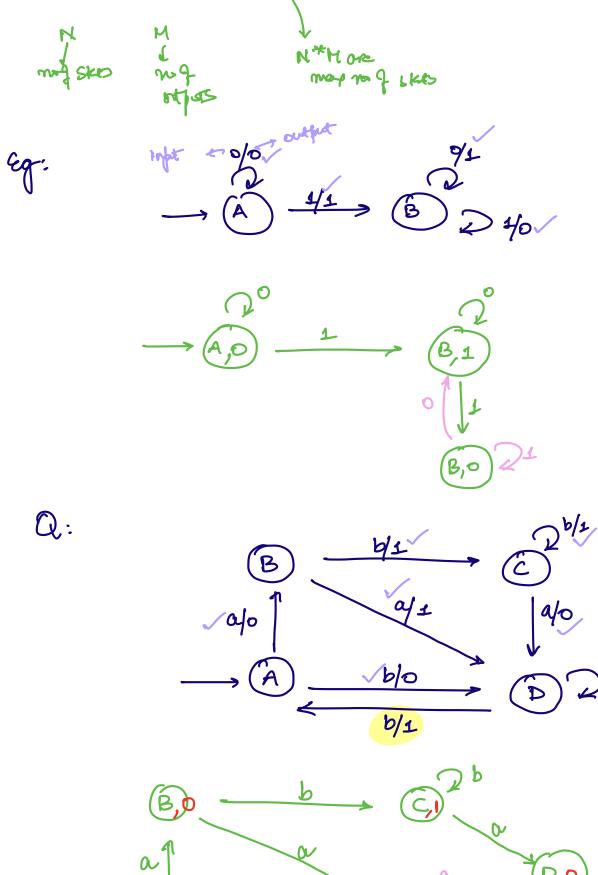




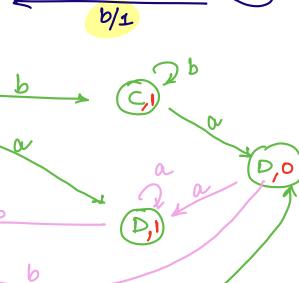


1/21





A



b

ali

Q: Miley machine values reade input ching from 
$$(n+1)^{4}$$
  
and produces reactive much 4 for cases beingy  
ching trace as binary integer.  
  
16  $3+21$   
 $1000 = 26^{6}/4 = 2$  mod 4  $\frac{1}{22}$   
 $\frac{0}{40}$   $\frac{1}{40}$   $\frac{1}{40}$ 

