
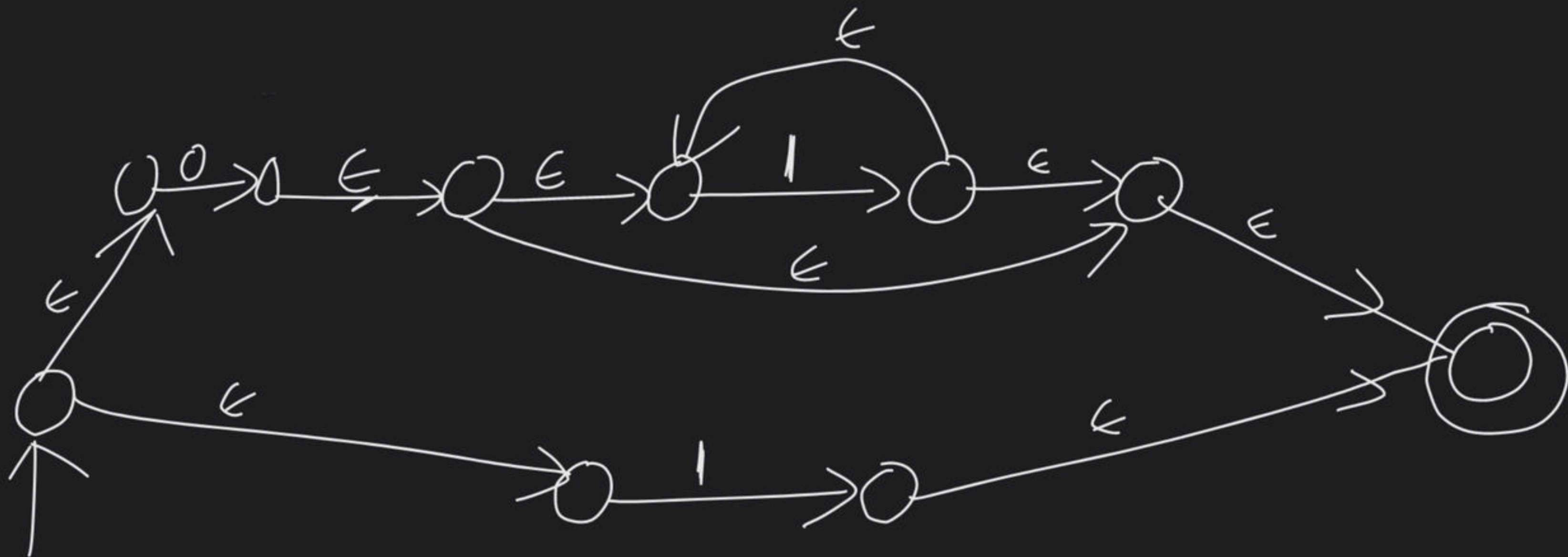




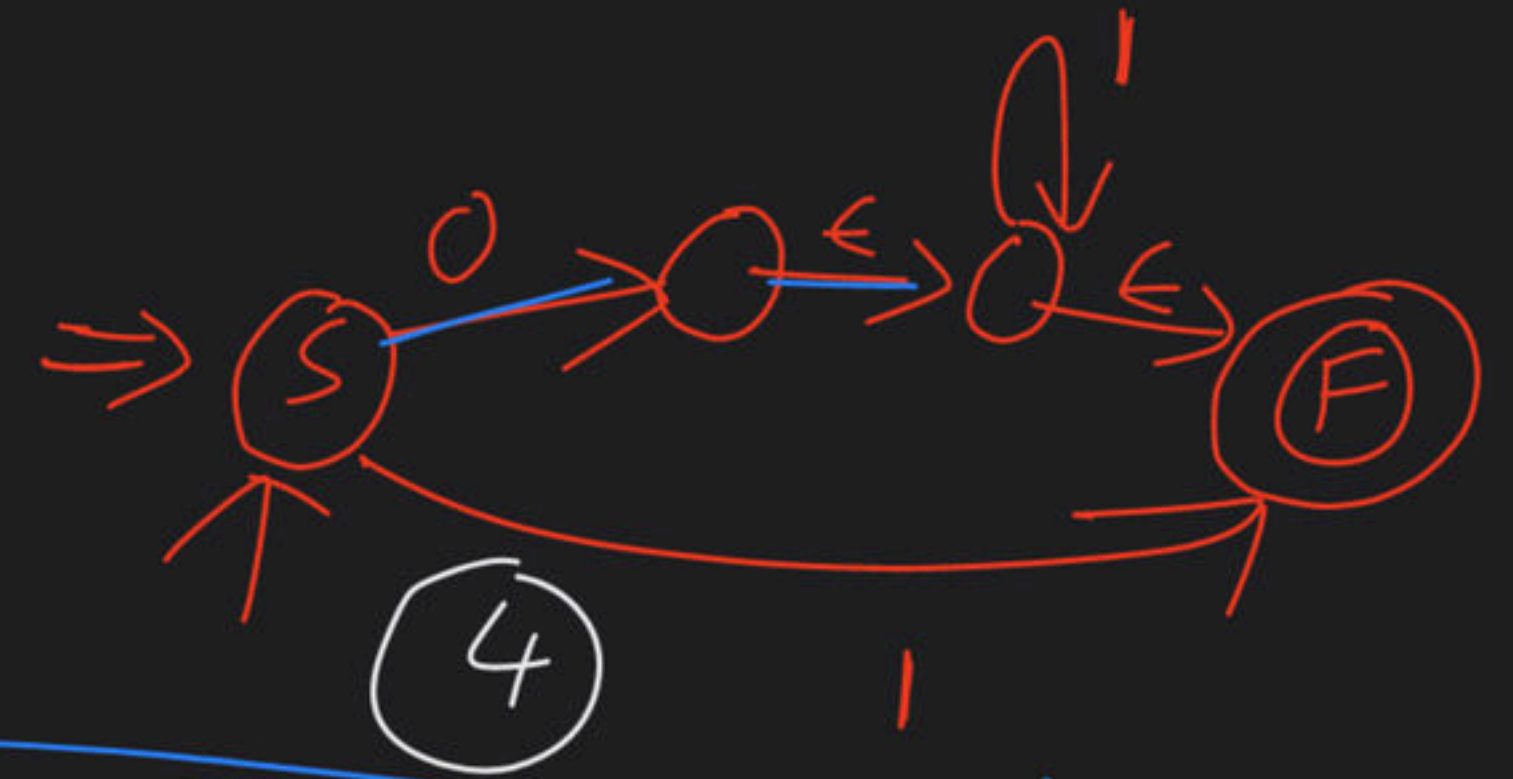
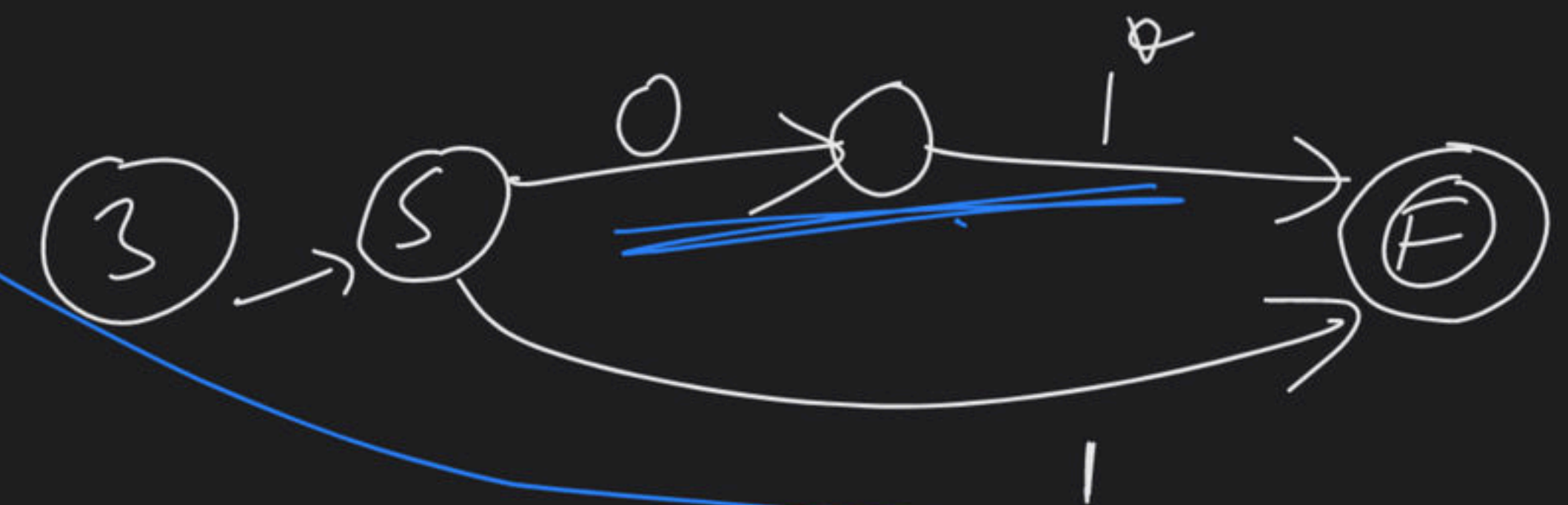
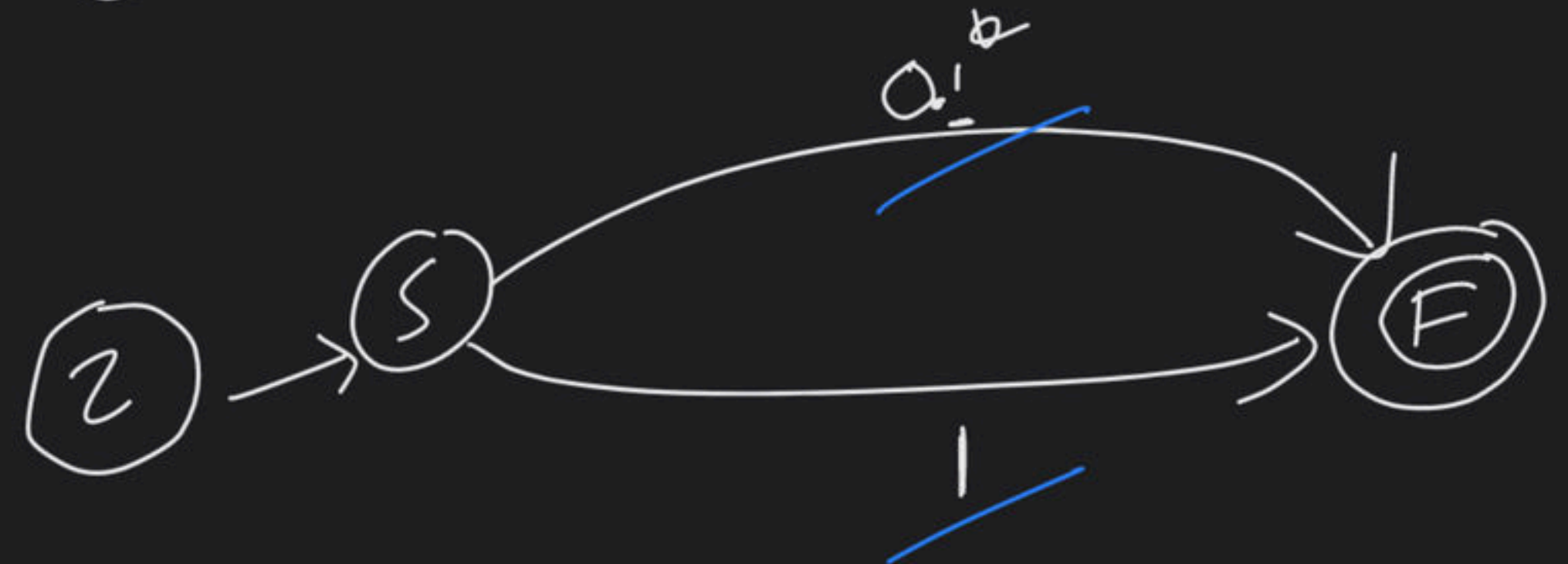
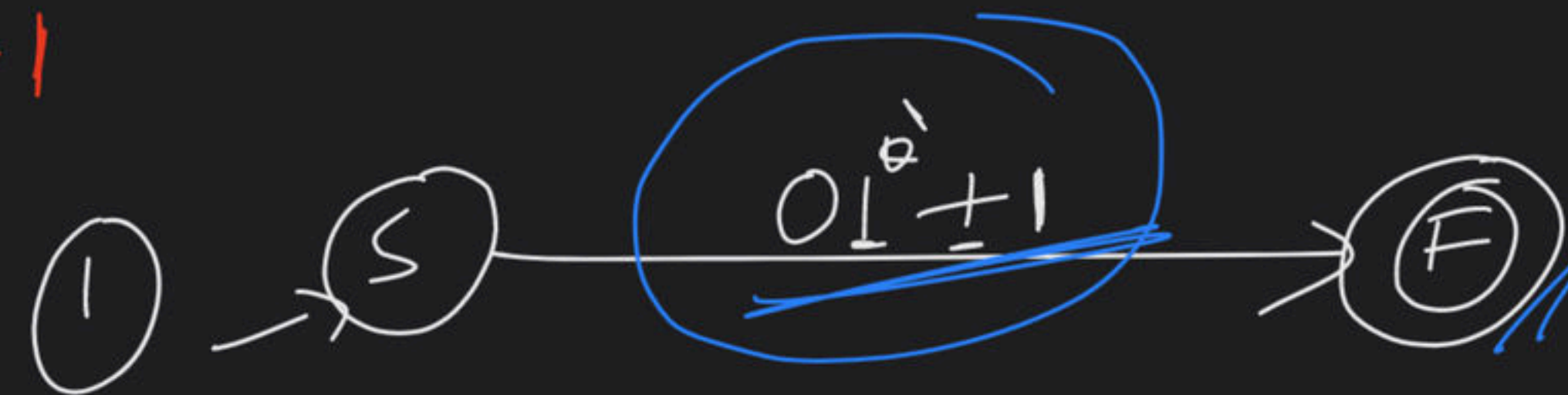
# Doubt Clearing Session

Complete Course on Theory of Computation

ex (5) Draw FA to its R.E  $\Rightarrow$  



method  
 $01^b + 1$

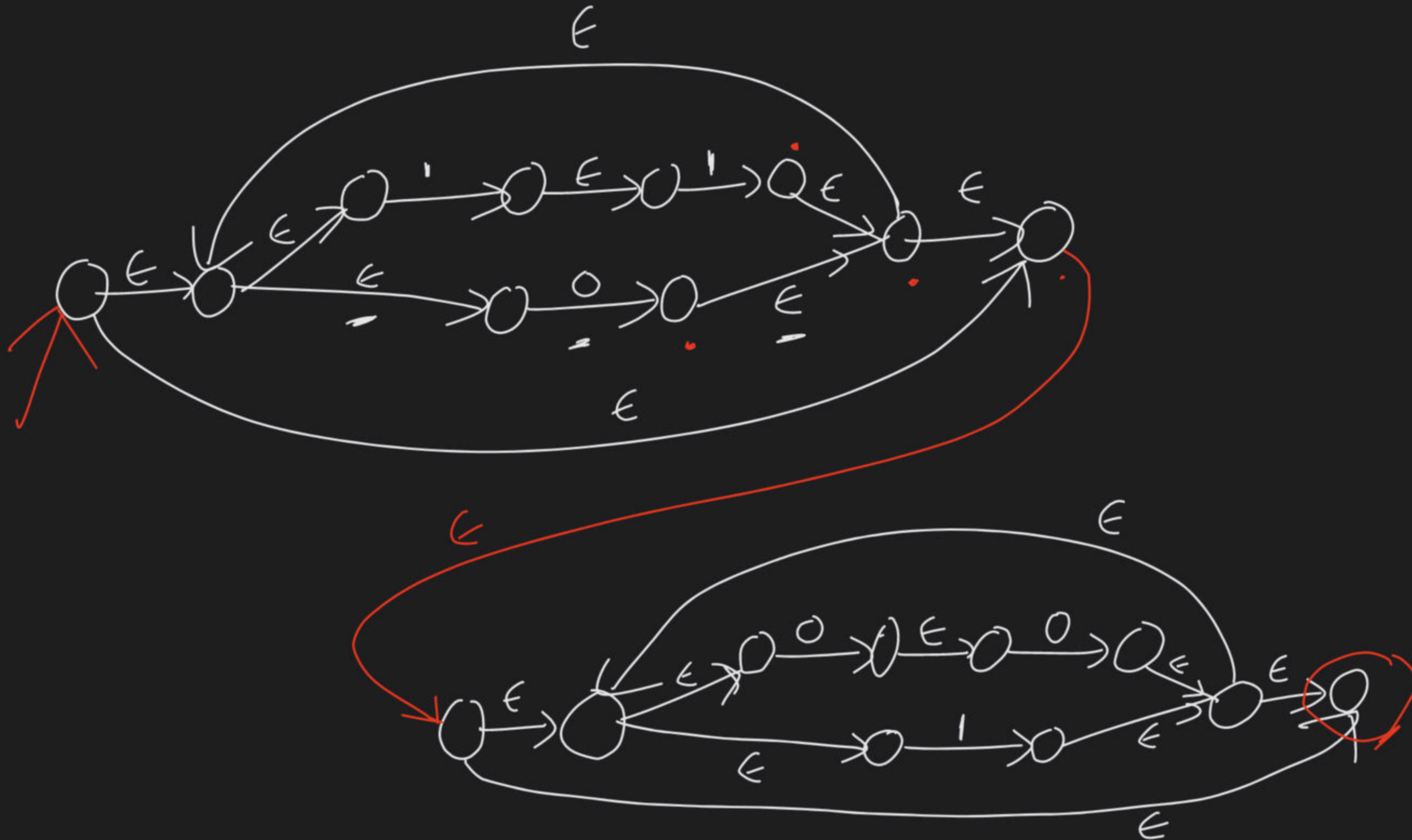


S. E. m

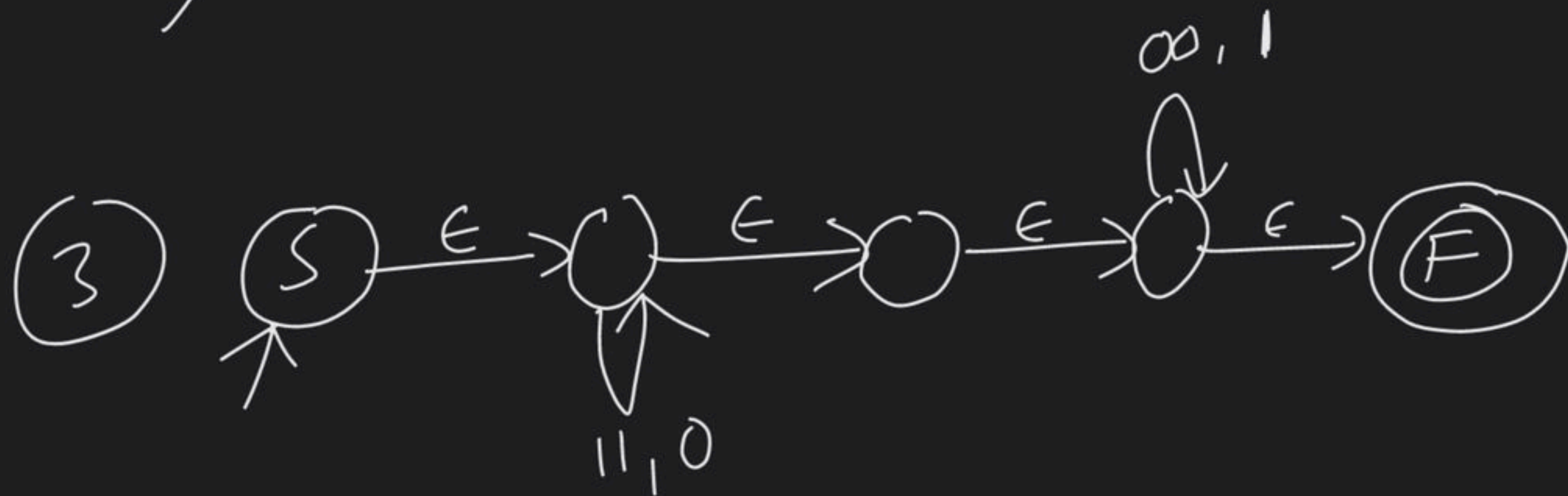
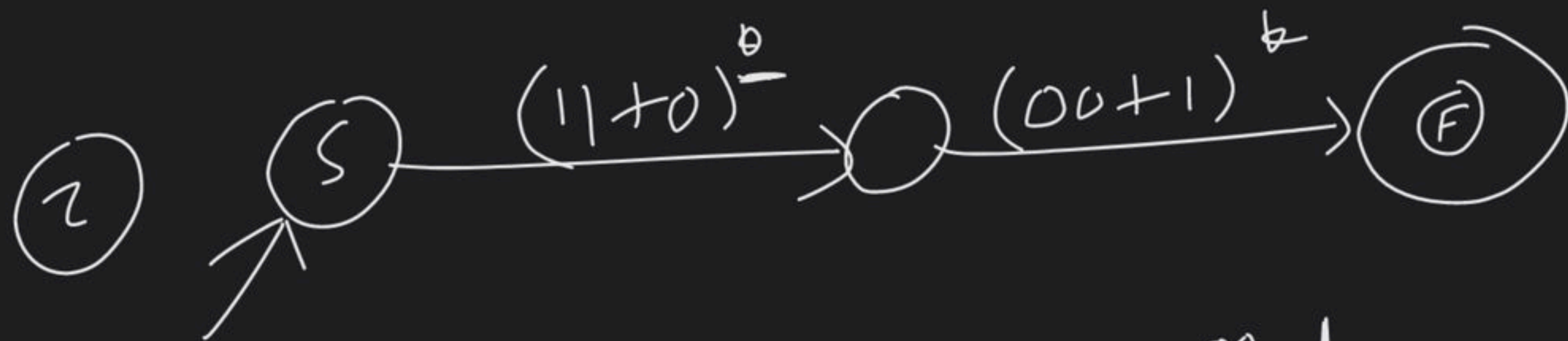


22

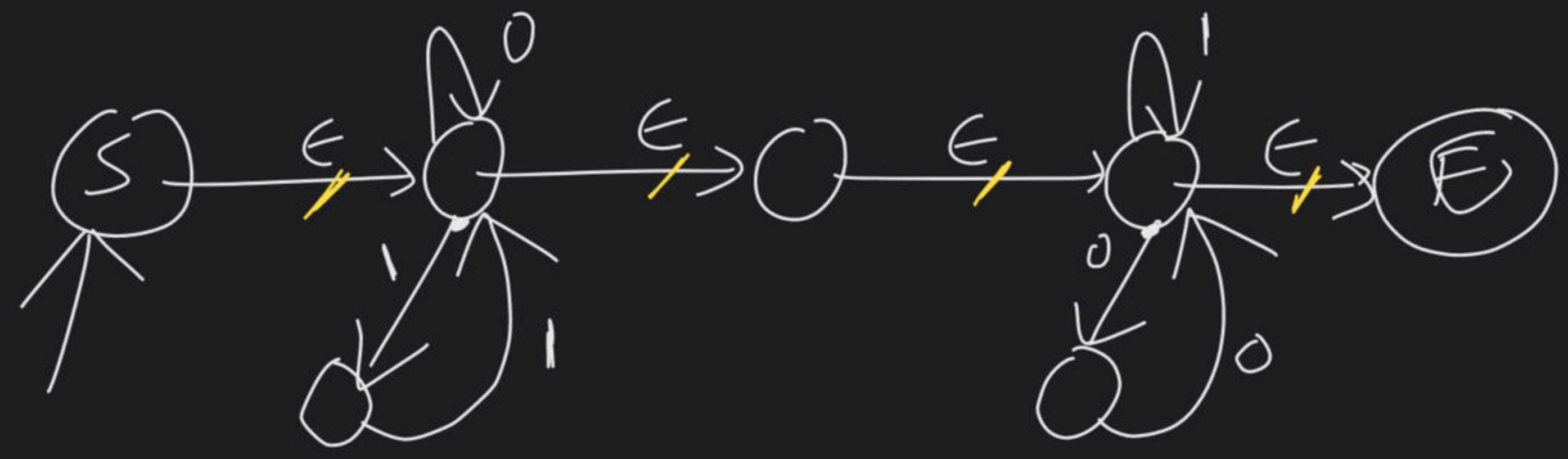
$(1 \cdot 1 + 0) \cdot (00 + 1)$



$$\gamma = (11+0)^* \cdot (00+1)^*$$

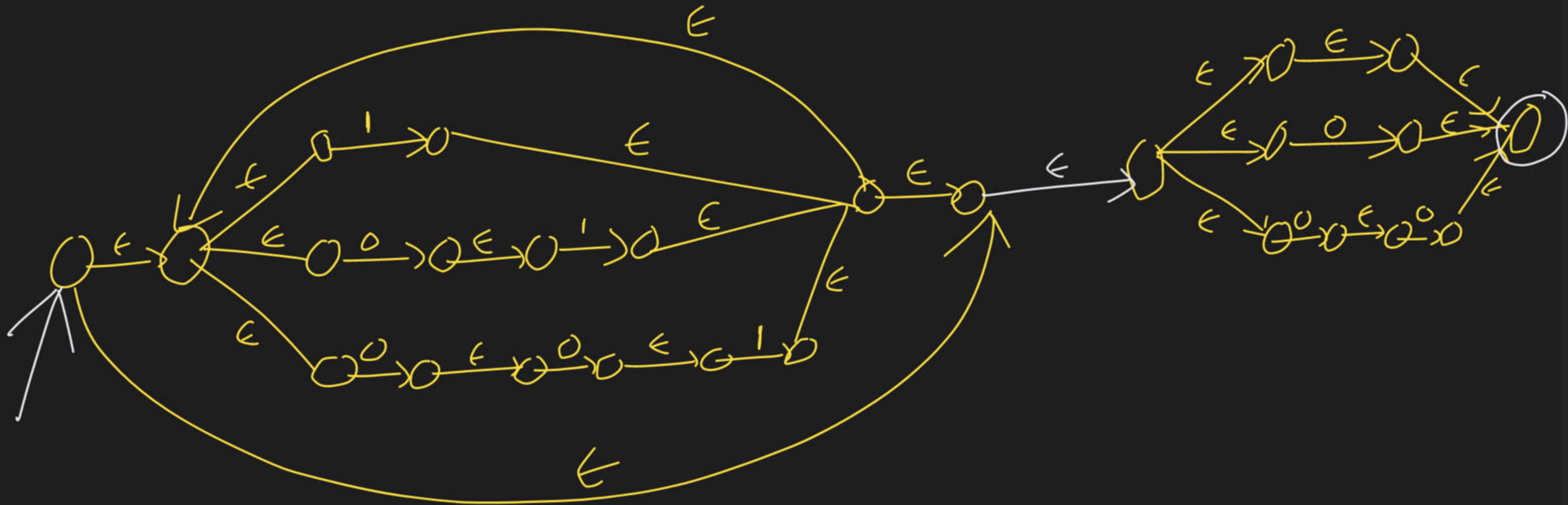


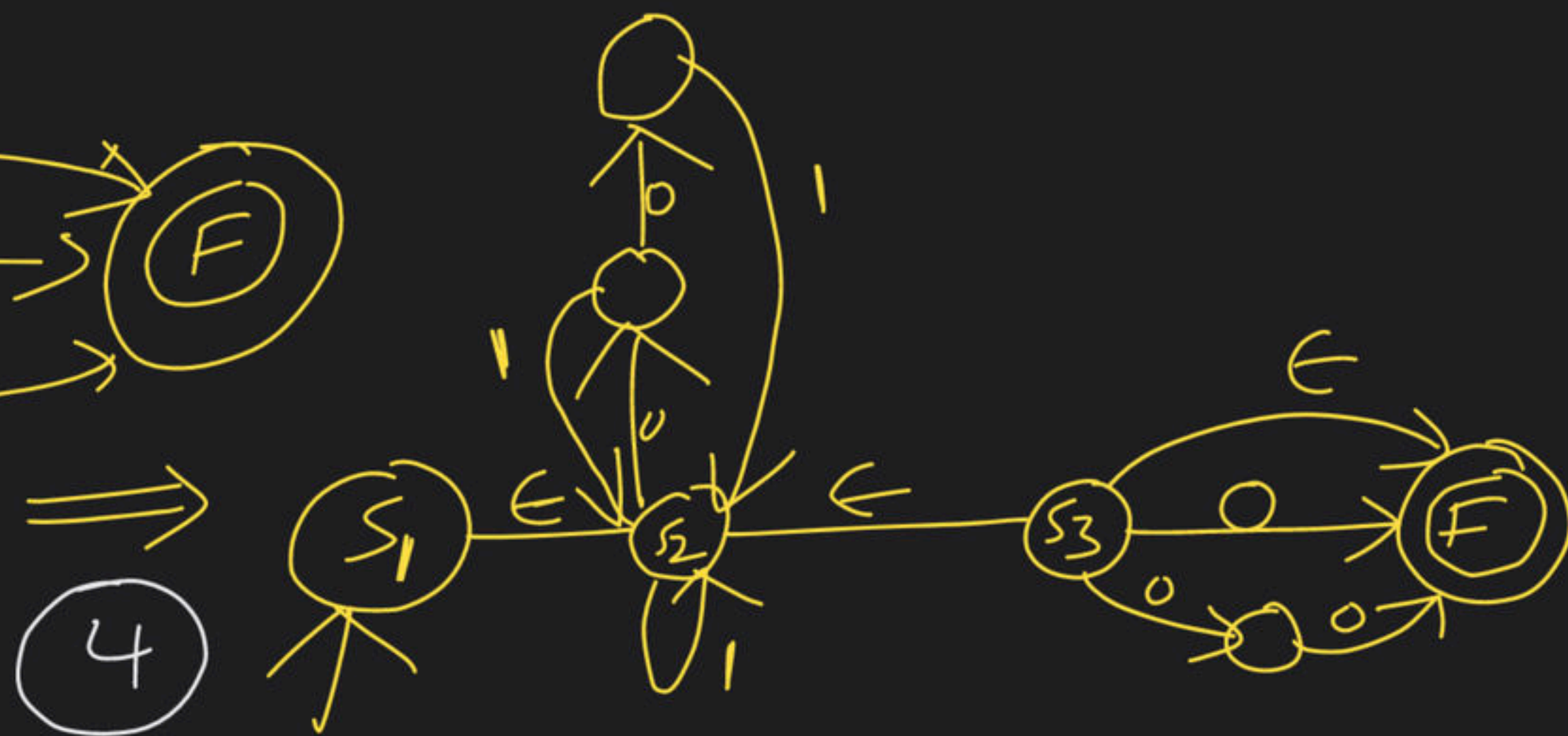
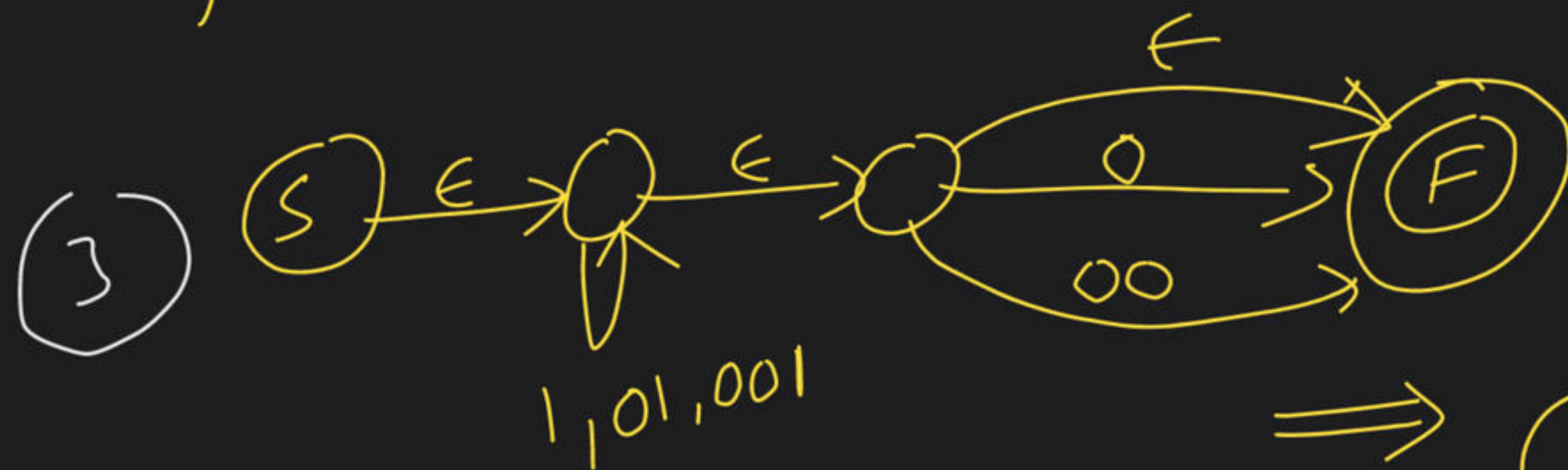
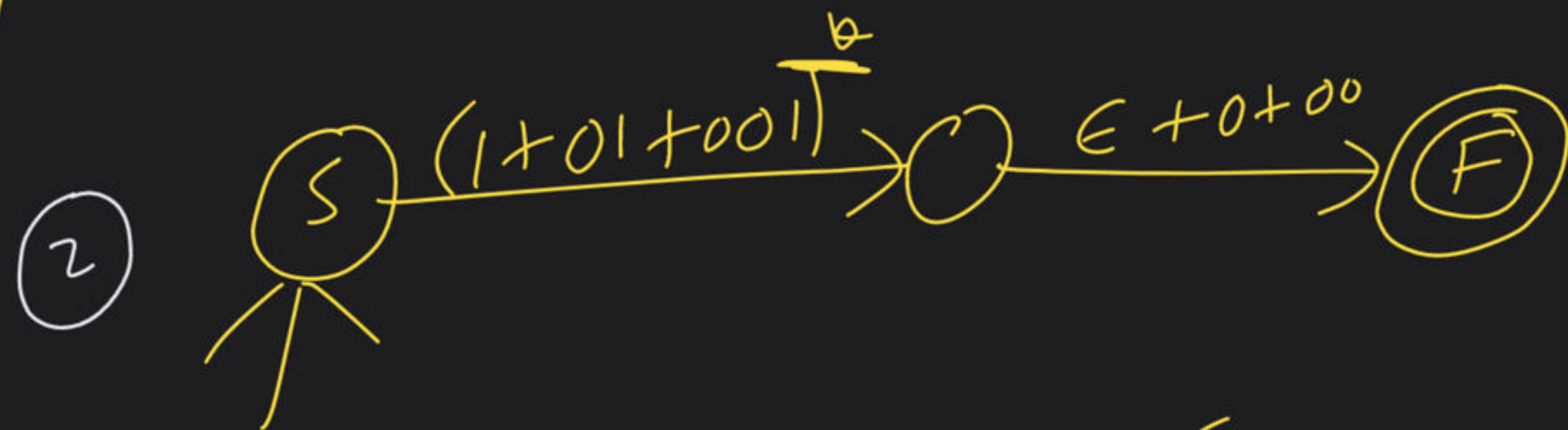
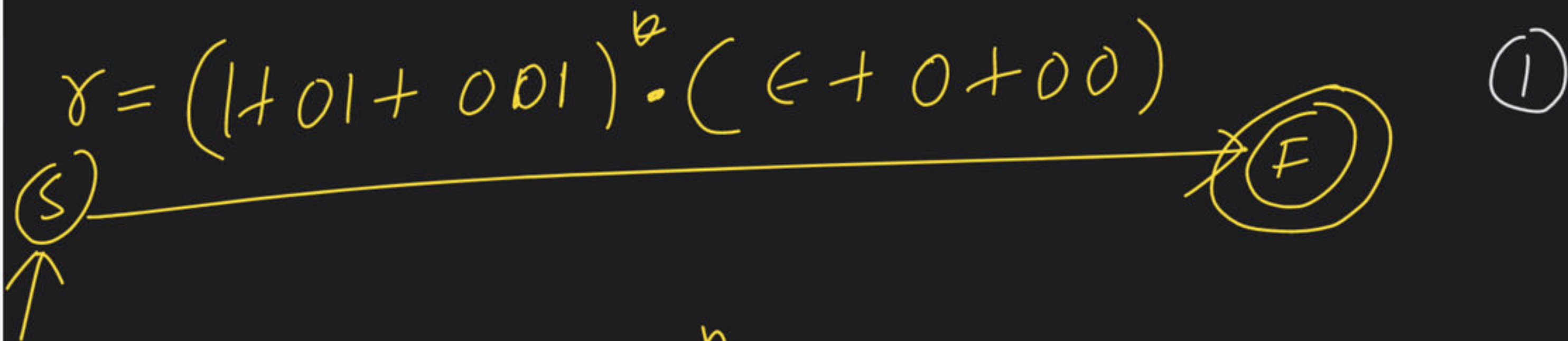
④





ex  $(1+01+001)^* \cdot (\epsilon + 0 + 00)$





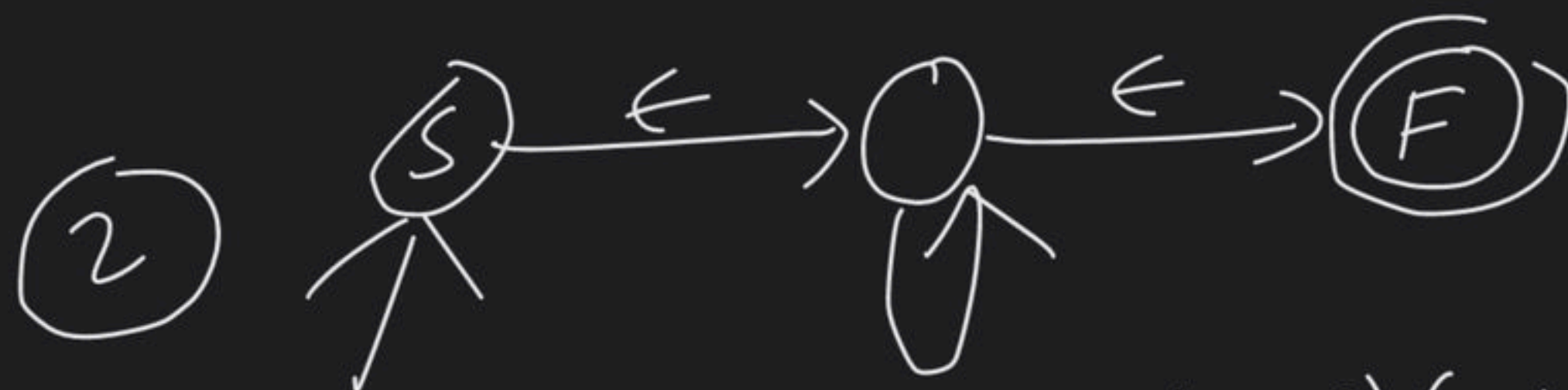


$$[00 + 11 + (01 + 10) \cdot (00 + 11) + (01 + 10)]^2$$



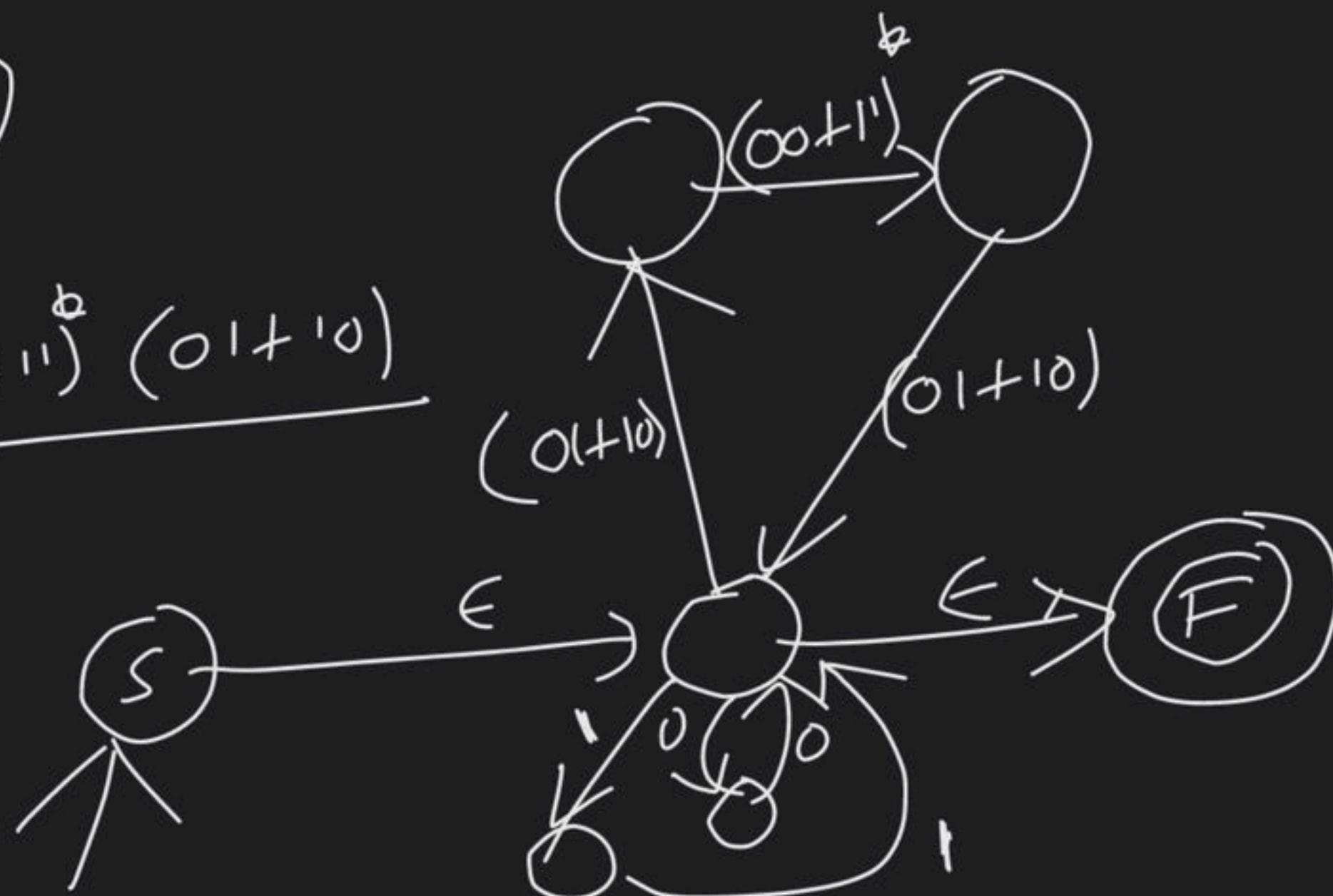
$$x = \left\{ \underbrace{00}_{a} + \underbrace{11}_{b} + \underbrace{(01+10)(00+11)^* (01+10)}_{c} \right\}^*$$

$$(a+b+c)^*$$

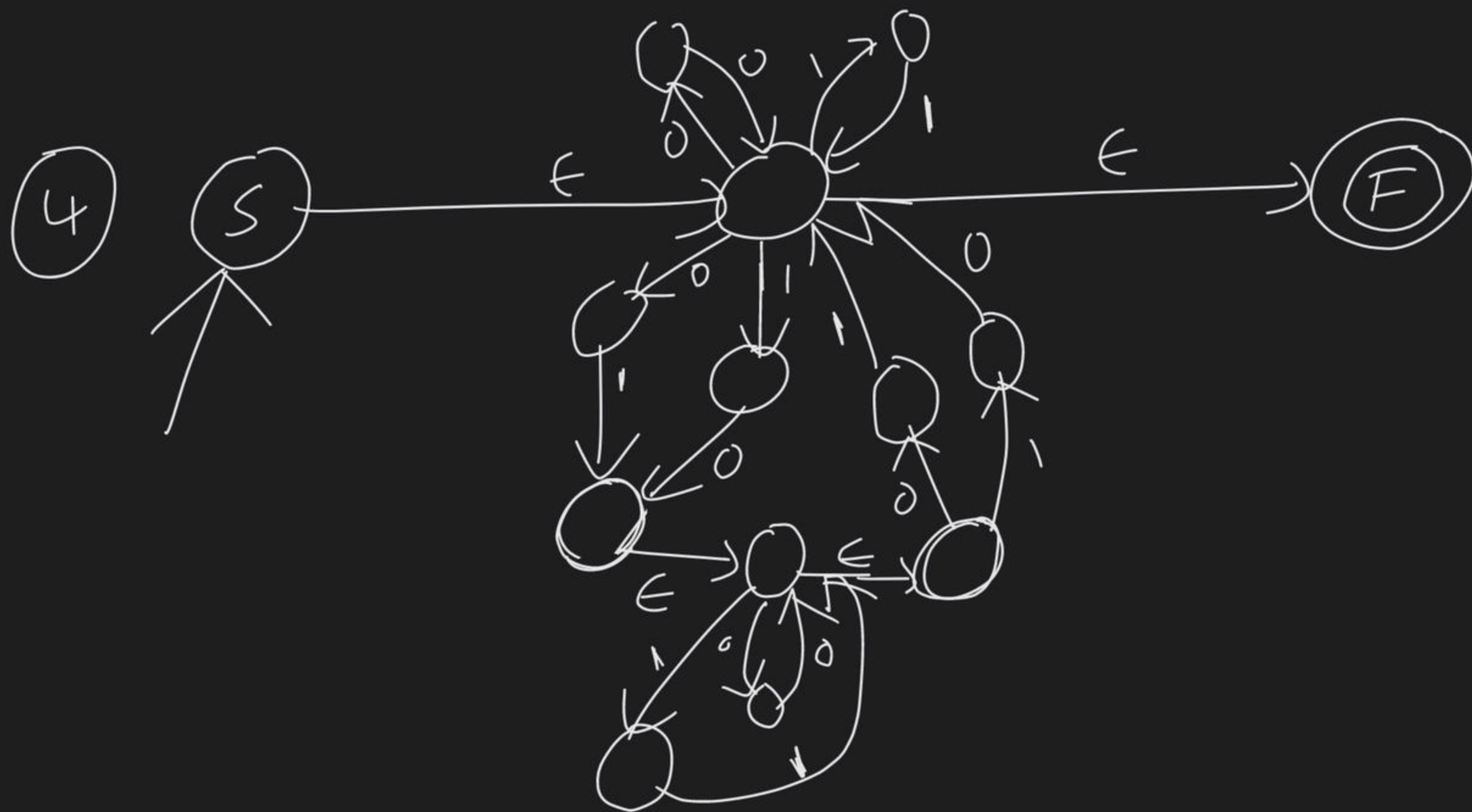


$$\underbrace{00, 11, (01+10)}_{a}, \underbrace{(00+11)^*}_{b}, (01+10)_{c}$$

③

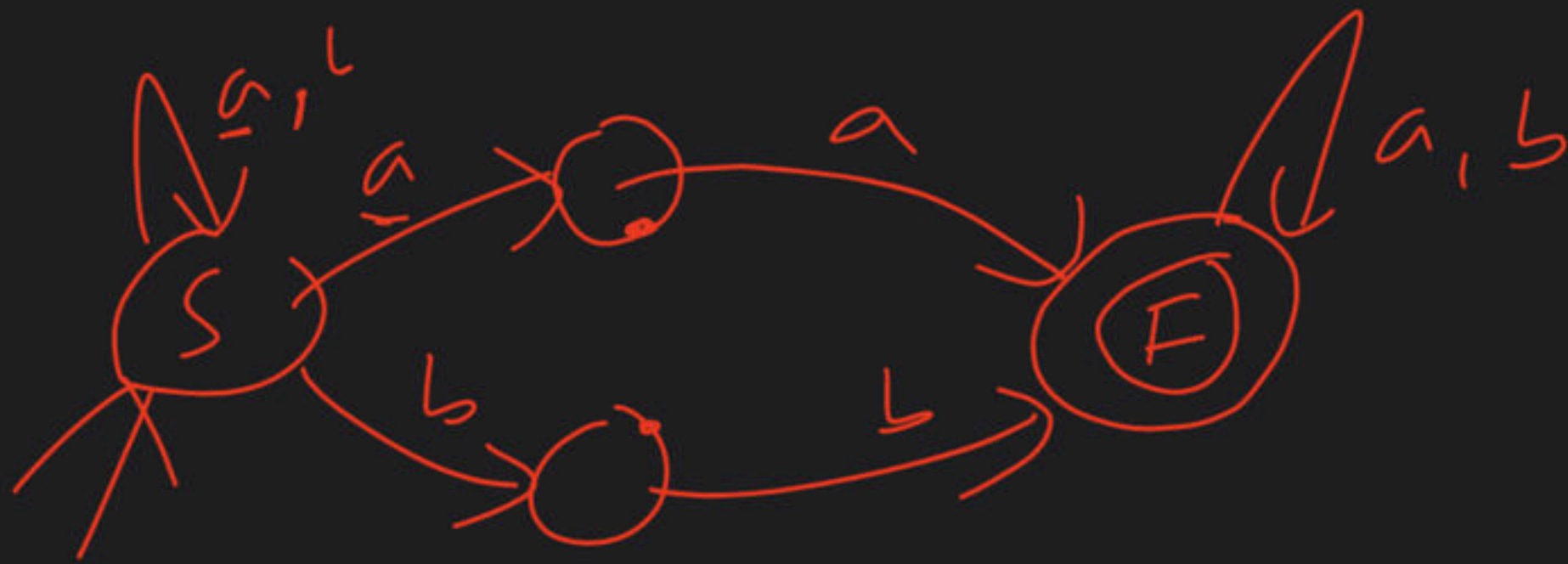
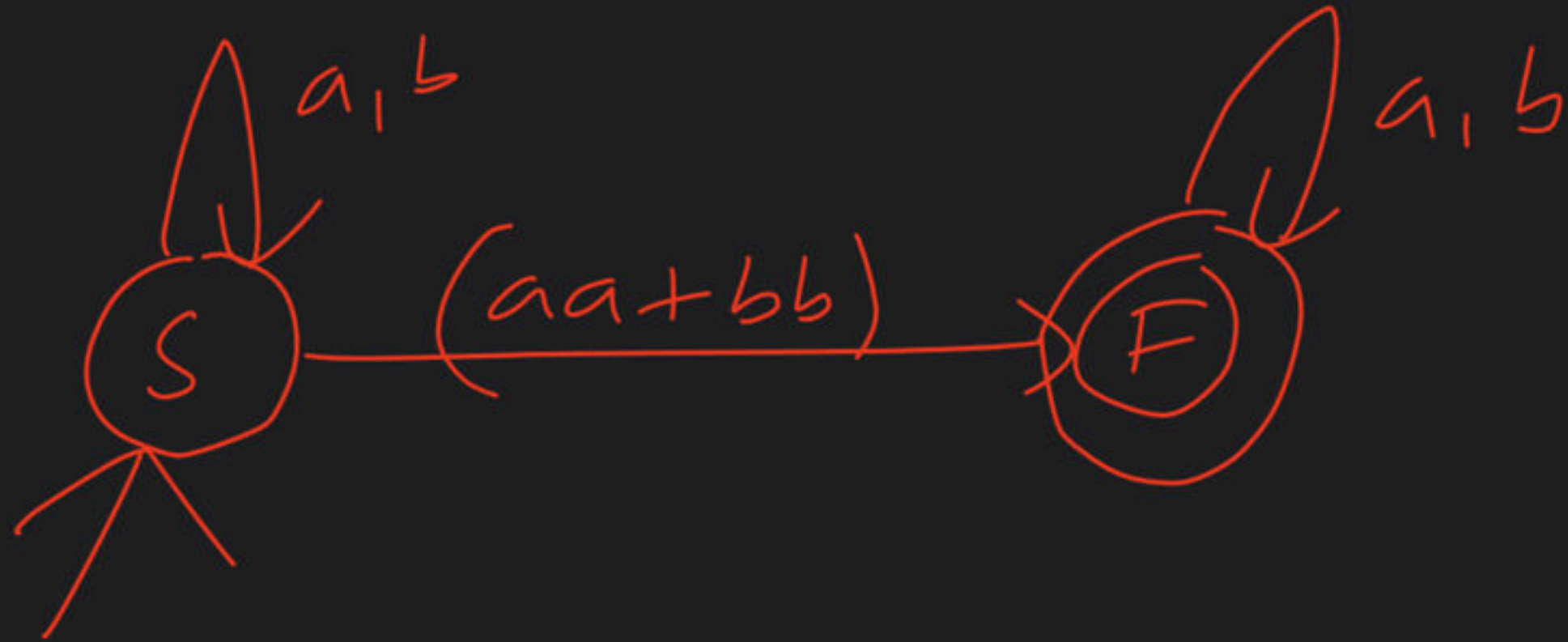






construct  $\epsilon$ -free NFA for the R.E

$$r = (a+b)^* (aa+bb) (a+b)^*$$





Construct E-free NFA for the R.E

$$r = 10 + (0+11)^0 1$$

Dedicate Help

Follows

Thanks All