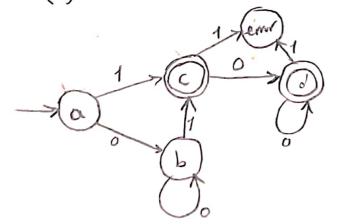
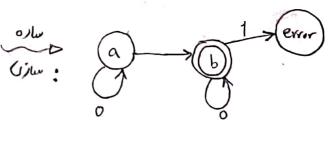
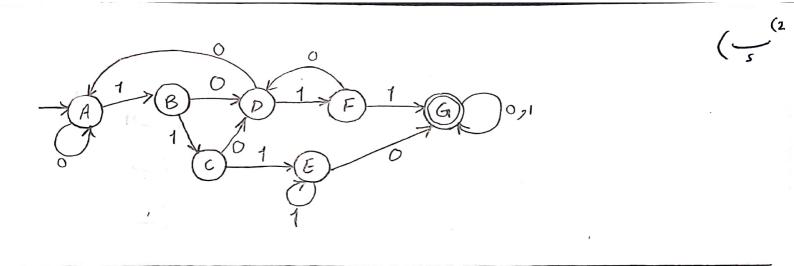


$$1(a) = \{F\} \longrightarrow \{E_{clos}(F) = \{F, G_{1}, H_{2}J\} = c \longrightarrow \{F_{linal}\}$$





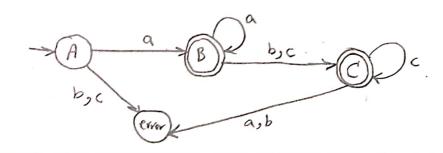


\* سوال سوم. \* ا ات)

$$b(B) = \begin{cases} s_3 \end{cases}$$

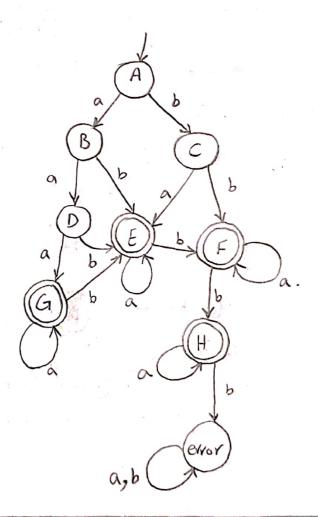
$$\sum \{ e - clos(s_3) = \{ s_3, s_2 \} = C \quad \text{and final}$$

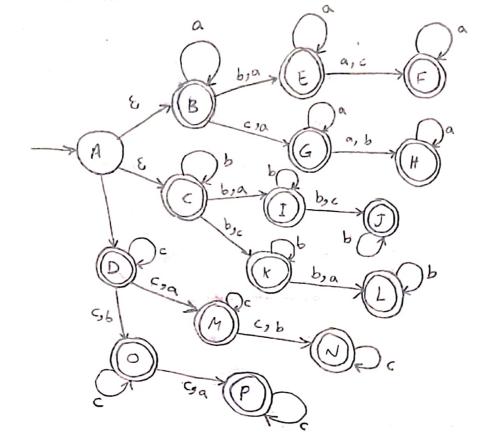
$$c(B) = \{ s_3 \}$$



E - clos (SO) = } 50} E-clos { 517 start state = {50} = A a(A) = { so, sig = B ~ tinal b(A) = {} ~ error (A)= { so } = A a(B) = (50,51) = B b(B) = { SI} = C c(B)= 5503= =A a(C) = { } ~ moreror b(c) = { si} = C c(C) = {} reror

$$a(A) = \{ so, si \} = B$$





E-clos (A) = 
$$\{A, B, C, D\}$$
  
\* start state =  $\{A, B, C, D\}$  = 1  
 $\alpha(1) = \{B, E, G, I, M\} = 2$   
 $b(1) = \{E, C, I, k, 0\} = 3$   
 $c(1) = \{G, K, D, M, 0\} = 4$   
 $\alpha(2) = \{B, E, G, F, H\} = 5$   
 $b(2) = \{E, H, I, T, N\} = 6$   
 $c(2) = \{G, F, T, M, N\} = 7$   
 $\alpha(3) = \{E, F, I, L, P\} = 2$   
 $b(3) = \{C, I, k, J, L\} = 9$   
 $c(3) = \{F, J, 0, P\} = 10$   
 $a(4) = \{G, H, L, M, P\} = 11$ 

b(4) = {H, K, L, O, N} = 12

((4) = {D, M, O, N, P} = 13

$$a(5) = \{B_{5}E_{5}G_{5}F_{5}H_{5}^{2} = 5\}$$

$$b(5) = \{E_{5}H_{5}^{2} = 14\}$$

$$c(5) = \{G_{5}F_{5}^{2} = 15\}$$

$$a(6) = \{E_{5}F_{5}H_{5}^{2} = 16\}$$

$$b(6) = \{I_{5}T_{5}^{2} = 17\}$$

$$c(6) = \{F_{5}T_{5}, N_{5}^{2} = 17\}$$

$$c(6) = \{F_{5}T_{5}, N_{5}^{2} = 19\}$$

$$b(7) = \{H_{5}T_{5}, N_{5}^{2} = 20\}$$

$$c(7) = \{M_{5}, N_{5}^{2} = 21\}$$

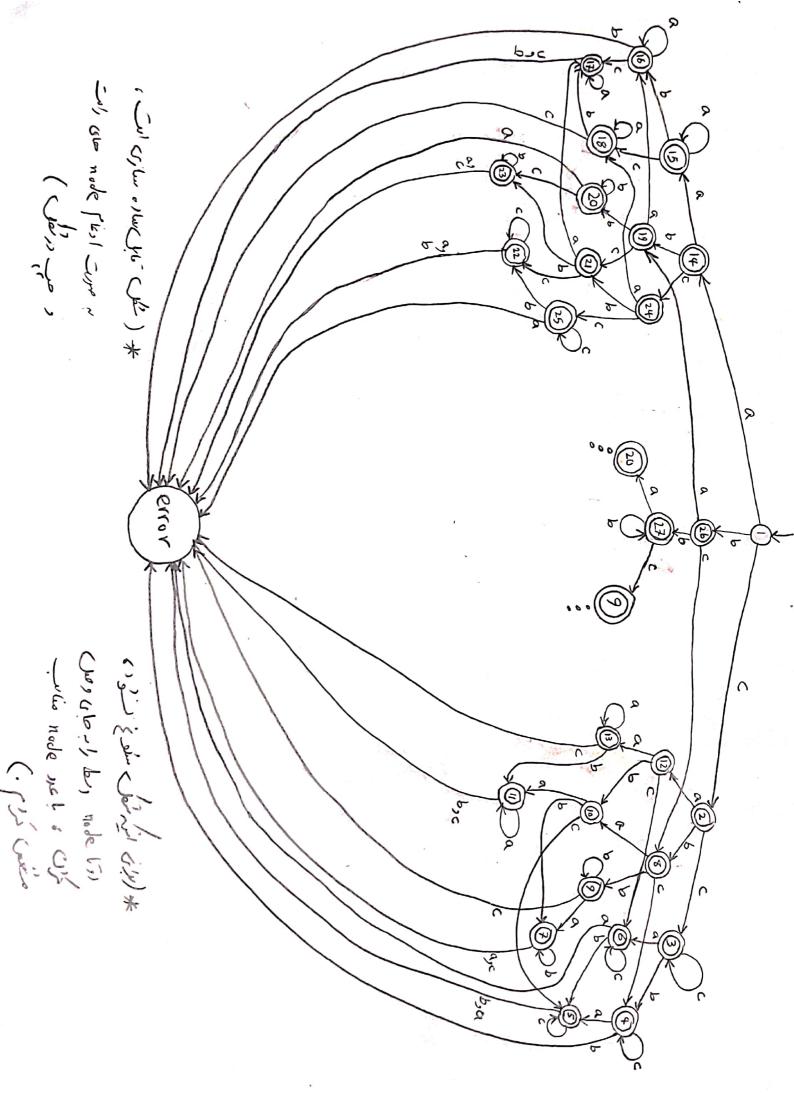
$$a(8) = \{E_{5}F_{5}^{2} = 22\}$$

$$b(8) = \{I_{5}J_{5}, I_{5}^{2} = 24\}$$

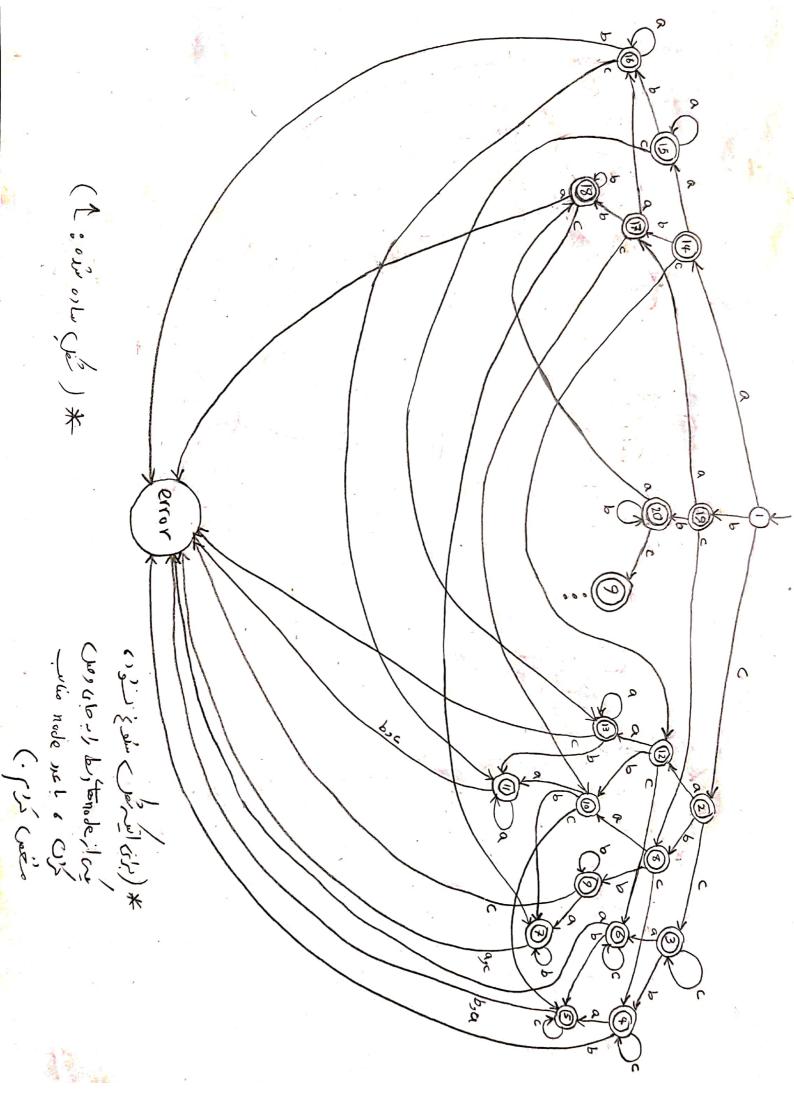
$$c(8) = \{F_{5}J_{5}, P_{5}^{2} = 24\}$$

٤-clos ( مقيم ) = لا و تا کام

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\* mello mining :

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-first : 10

-second: 100

-second: 100

-third: 000

-th

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