

Екзаменаційна робота

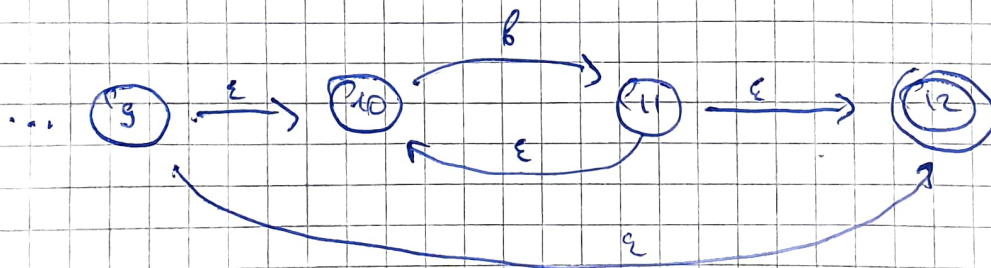
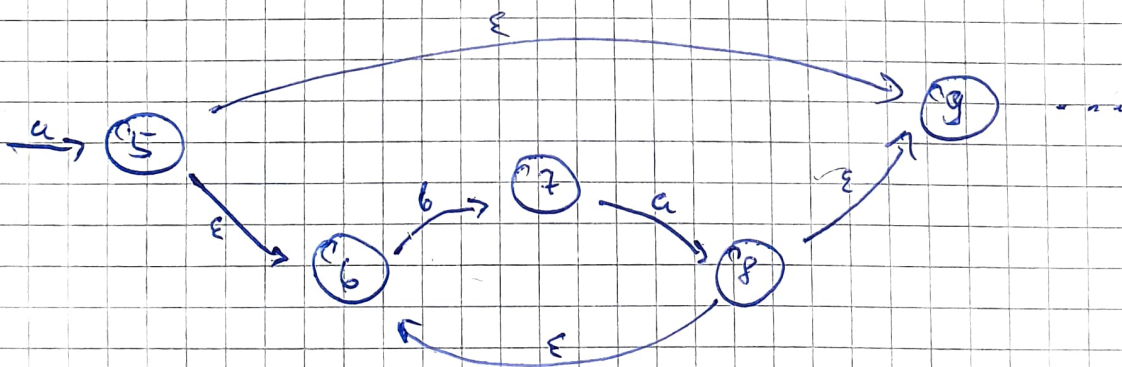
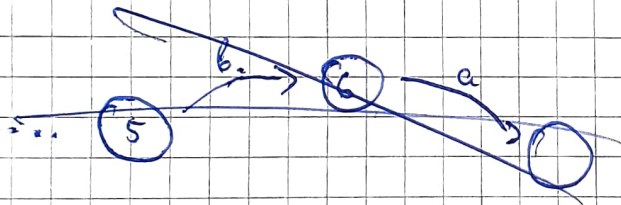
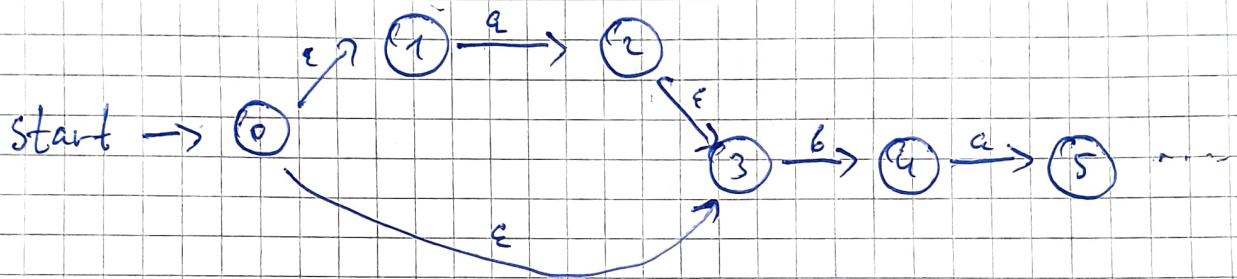
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0? (10) + 1x

Перейдено до алфавіту {a, b}

a? (ba) + b*



$$A = \epsilon\text{-closure}(0) = \{0, 1, 3\}$$

$$B = \epsilon\text{-closure}(\text{Move}(A, a)) = \{2, 3\}$$

$$C = \epsilon\text{-closure}(\text{Move}(A, b)) = \{4\}$$

$$D = \epsilon\text{-closure}(\text{Move}(B, a))^* = \emptyset$$

$$\cancel{D} = \epsilon\text{-closure}(\text{Move}(B, b)) = \{4\} = C$$

$$E = \epsilon\text{-closure}(\text{Move}(C, a))^* = \{5, 6, 9, 10, 12\}$$

$$F = \epsilon\text{-closure}(\text{Move}(D, a)) = \emptyset$$

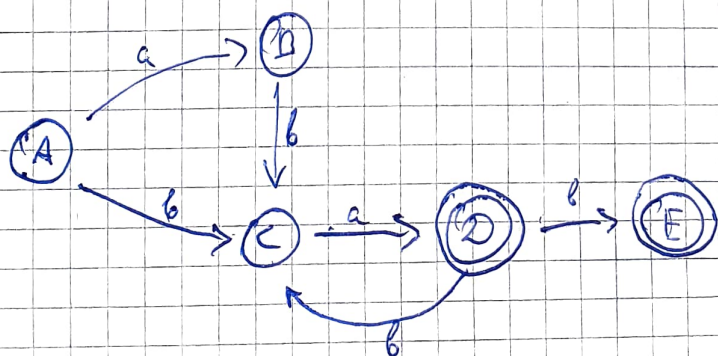
$$E = \epsilon\text{-closure}(\text{Move}(D, b)) = \{7, 11, 10, 12\}$$

$$F = \epsilon\text{-closure}(\text{Move}(E, a)) = \{8, 6, 9, \cancel{10}, \cancel{12}\}$$

$$\epsilon\text{-closure}(E, b) = E$$

$$\epsilon\text{-closure}(F, a) = \emptyset$$

$$\epsilon\text{-closure}(F, b) =$$



$$S \rightarrow aA \mid A$$

$$A \rightarrow baB$$

$$B \rightarrow baB \mid \epsilon$$

$$C \rightarrow bC \mid \epsilon$$