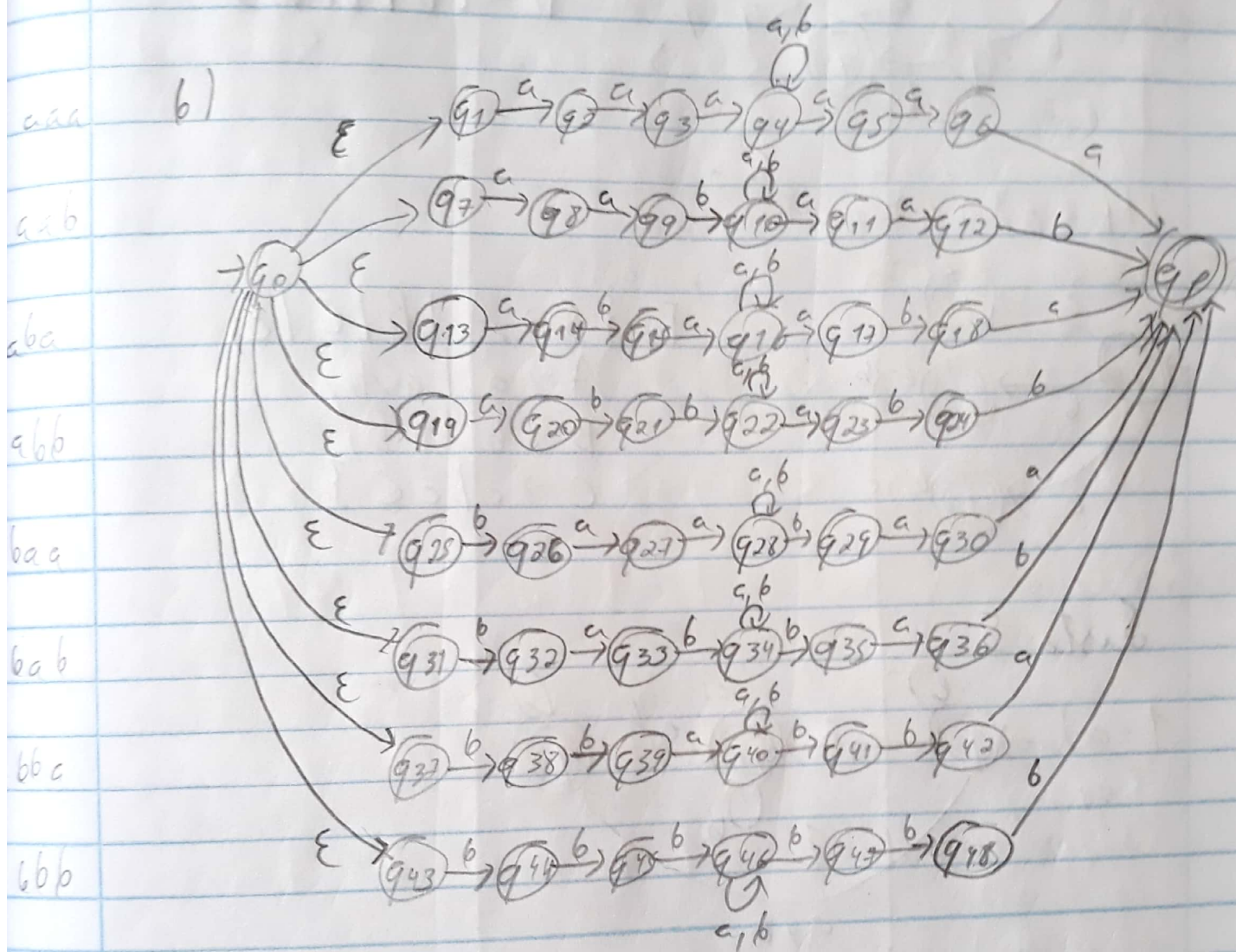
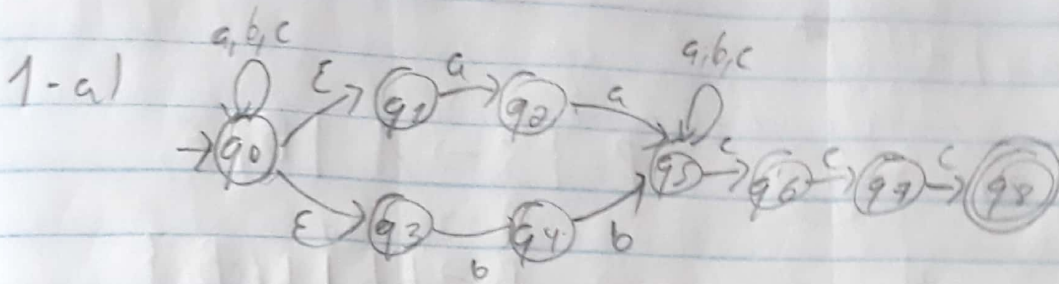
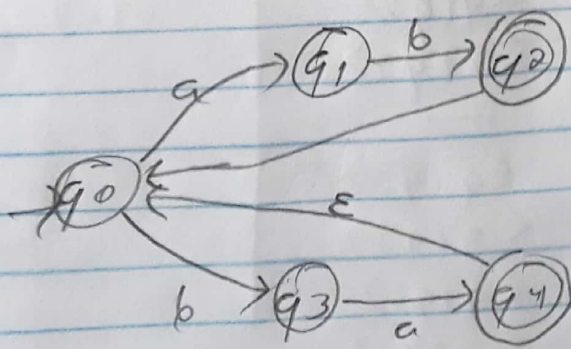


Lista 4

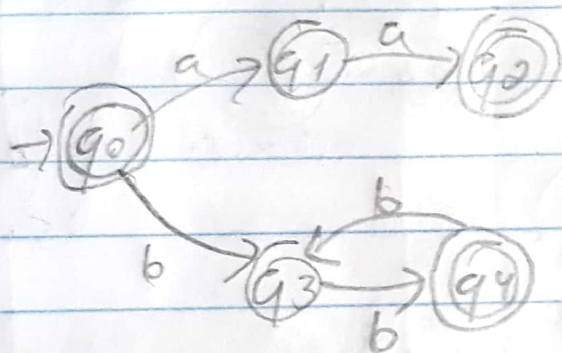


c) Em um orden qualquer um se poderia ser feito com autômato à pull.
 O máximo que podemos fazer é



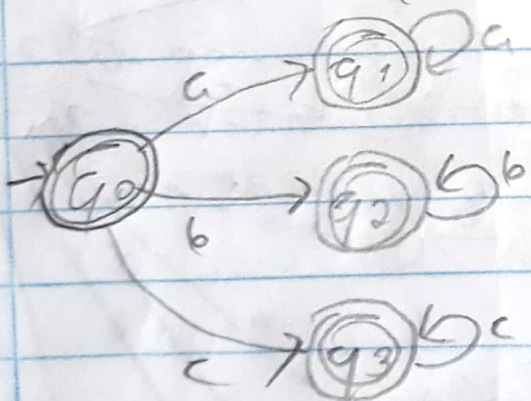
2)

a) $R = (aa)^* + (bb)^*$



$$P = \{ S \rightarrow A \mid B \mid \epsilon, \\ A \rightarrow aa, \\ B \rightarrow bb \mid bbB \}$$

b) $R = a^* + b^* + c^*$



$$P = \{ S \rightarrow A \mid B \mid C \mid \epsilon, \\ A \rightarrow a \mid aA, \\ B \rightarrow b \mid bB, \\ C \rightarrow c \mid cC \}$$