

TOA Mock

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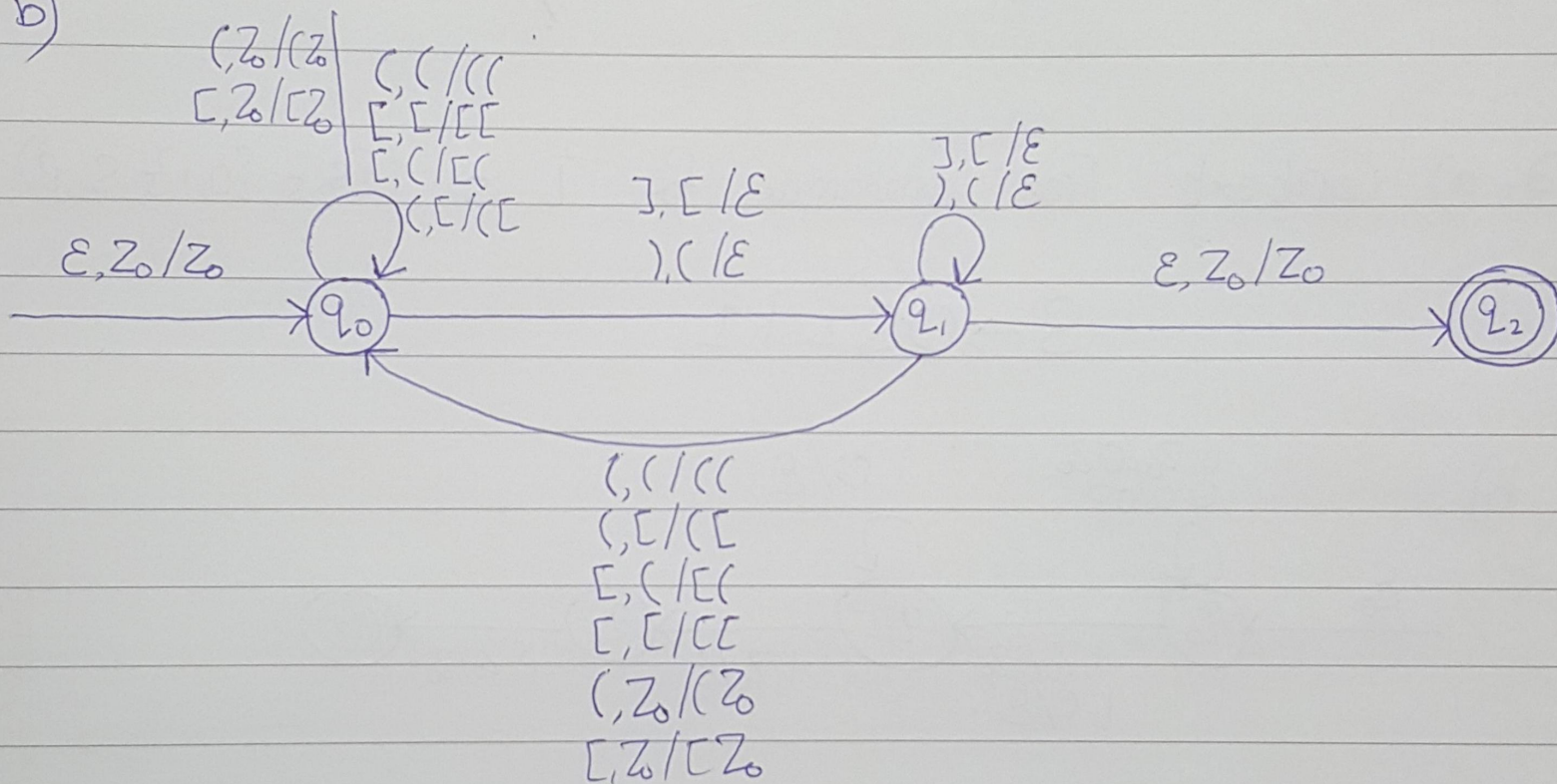
Section D

Instructor Ma'am ShaharBano

Q1. a) Context Free grammar for generating properly nested paranthesis is $G = (\{S\}, \{([,], [,]\}, S, P)$

$$S \rightarrow [S] \mid (S) \mid \lambda$$

b)



Q2. a) Context Free grammar for L is $(\{s, \bar{s}, \{0, 1\}, S, P)$

$$S \rightarrow OS1 \mid 1$$

