Assignment 1

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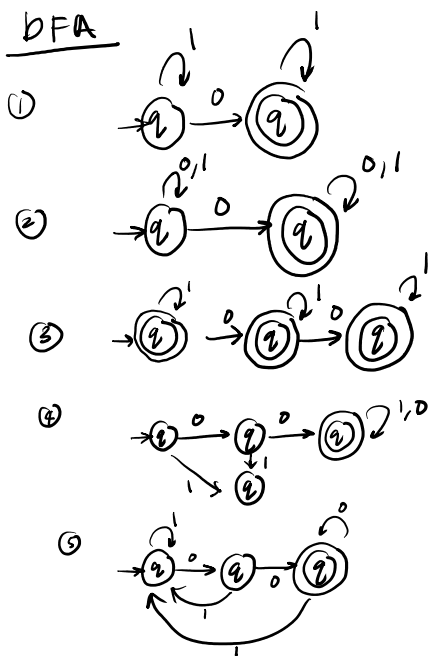
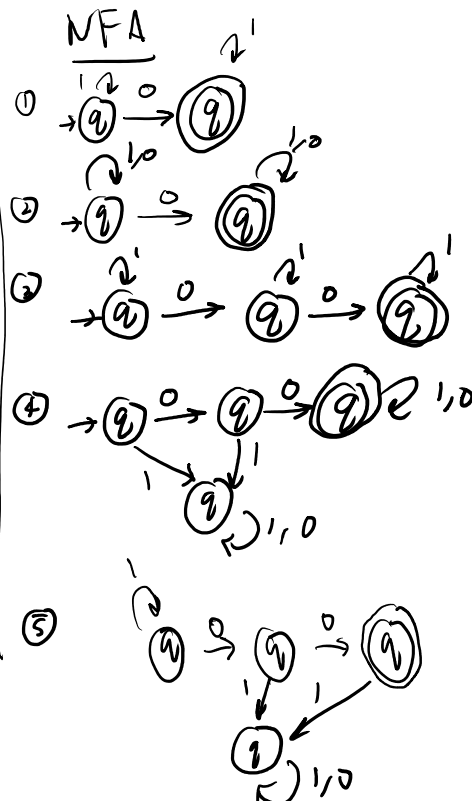Assignment 1

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- For $\Sigma = \{0,1\}$, construct DFAs, NFAs and Regular Expressions for the languages consisting of

  1) all strings with **exactly one** 0.

  2) all strings with **at least one** 0.

  3) all strings with **no more than two** 0's.

  4) all strings **starting with** 00.

  5) all strings **ending with** 00.

Regular Expression

1) $1^* \cdot 0 \cdot 1^*$

2) $(1+0)^* \cdot 0 \cdot (1+0)^*$

3) $(1)^* \cdot 00 \cdot (1)^*$

4) $00 \cdot (1+0)^*$

5) $(1+0)^* \cdot 00$