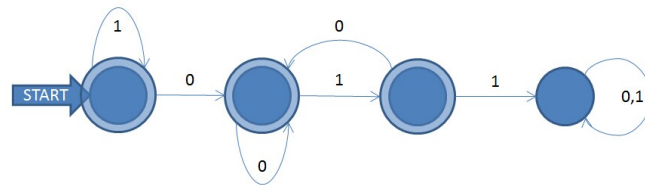# Homework   1

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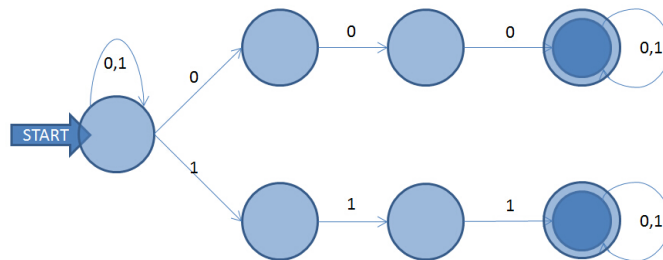2014.12.11

Problem 1

Here is my automata below.

Problem 2

Here is my automata below.

Problem 3

Here is my construction below.

$$(0+1)^*(000+111)(0+1)^*$$

Problem 4

Here is my construction below.

$$0^*(\epsilon + 1 + 11)(0 + 01 + 011)^*$$