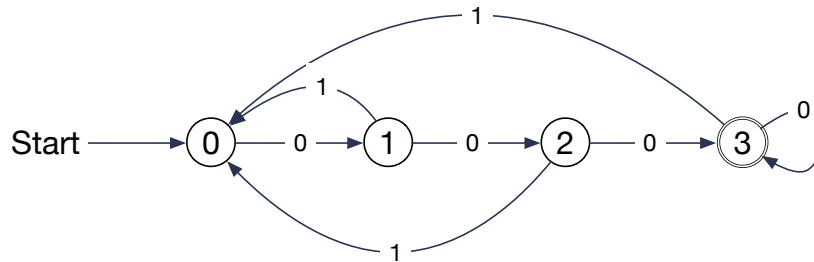
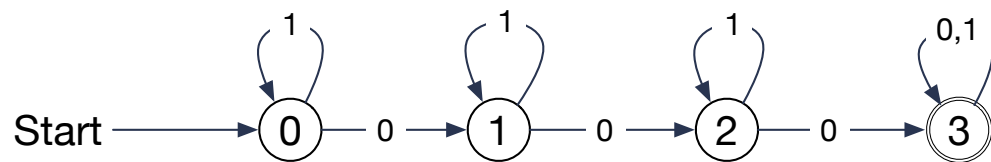


Quiz: January 16, 2018

Automaton A:



Automaton B:



1. Guess the regular expression given by these two automata.
2. Calculate $R_{i,j}^0$, $R_{i,j}^1$, and $R_{i,j}^2$ for all states i and j .