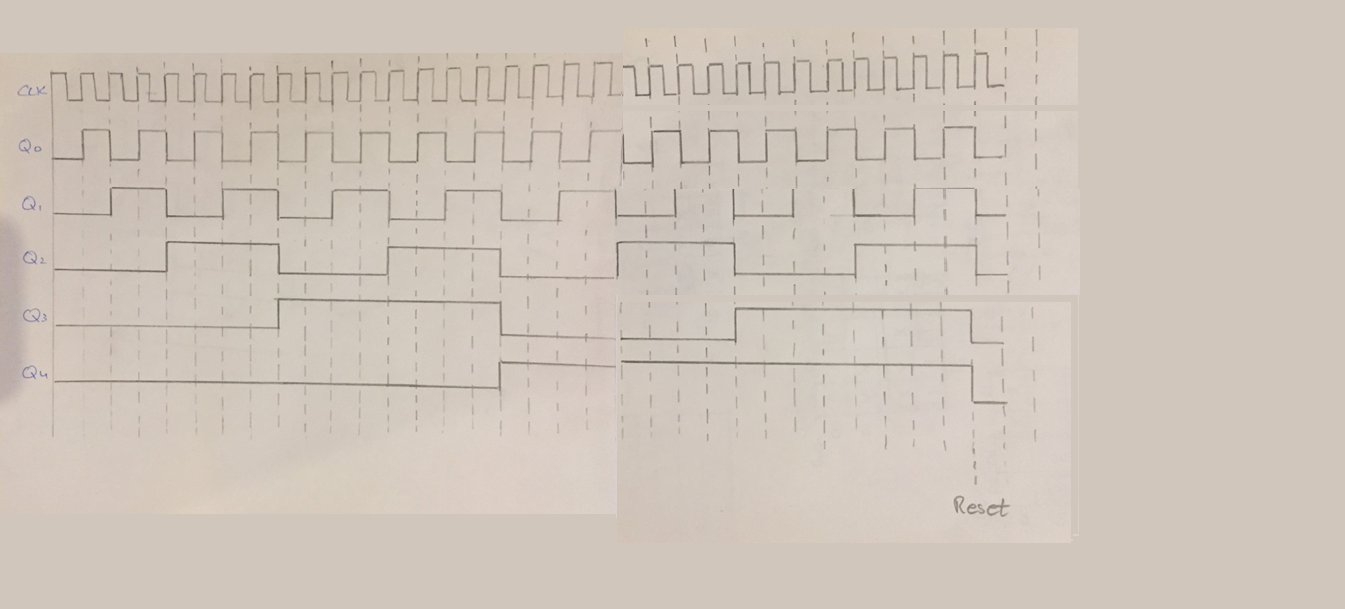
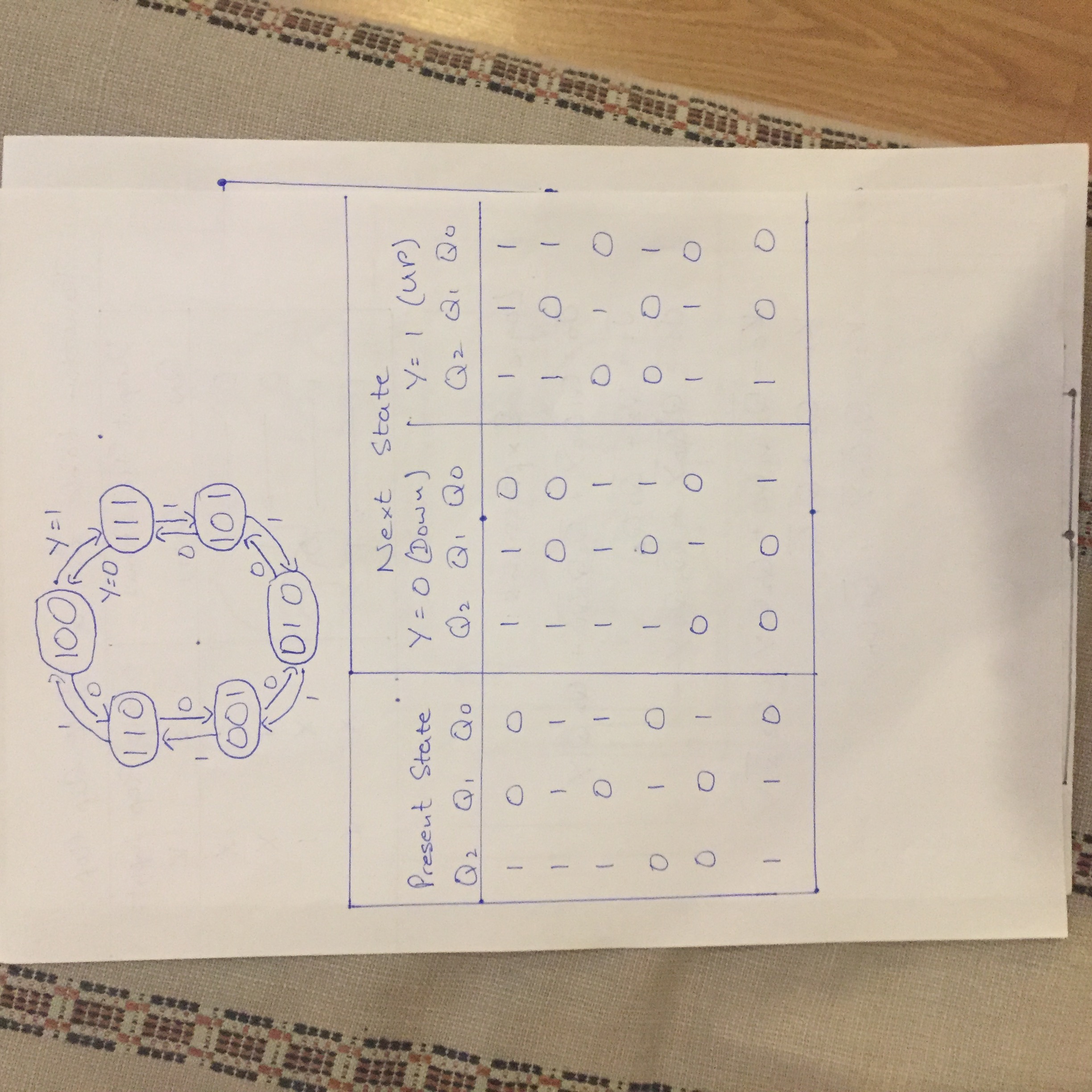
Assignment 6: Chapter 9

Solution 1:

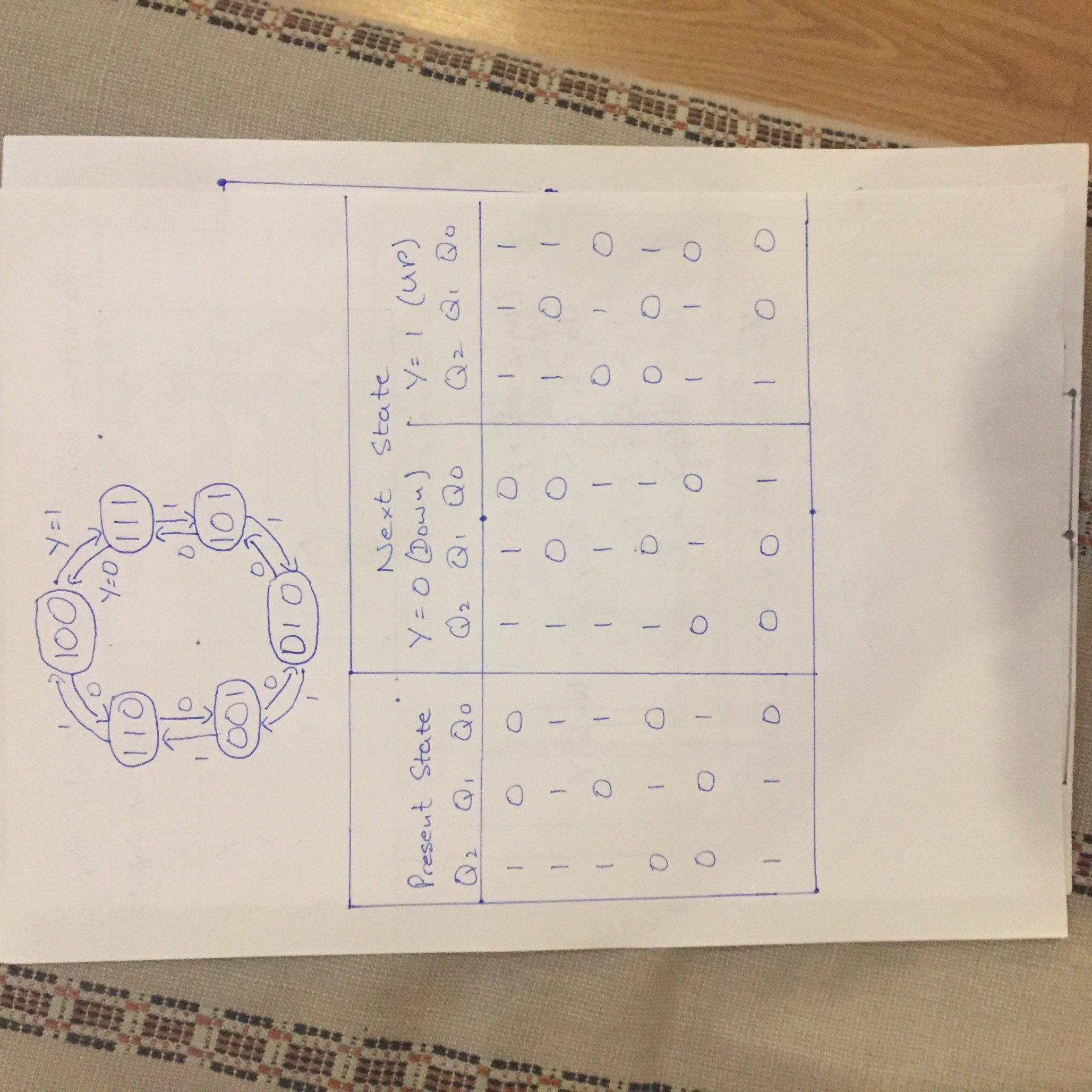


Solution 2:

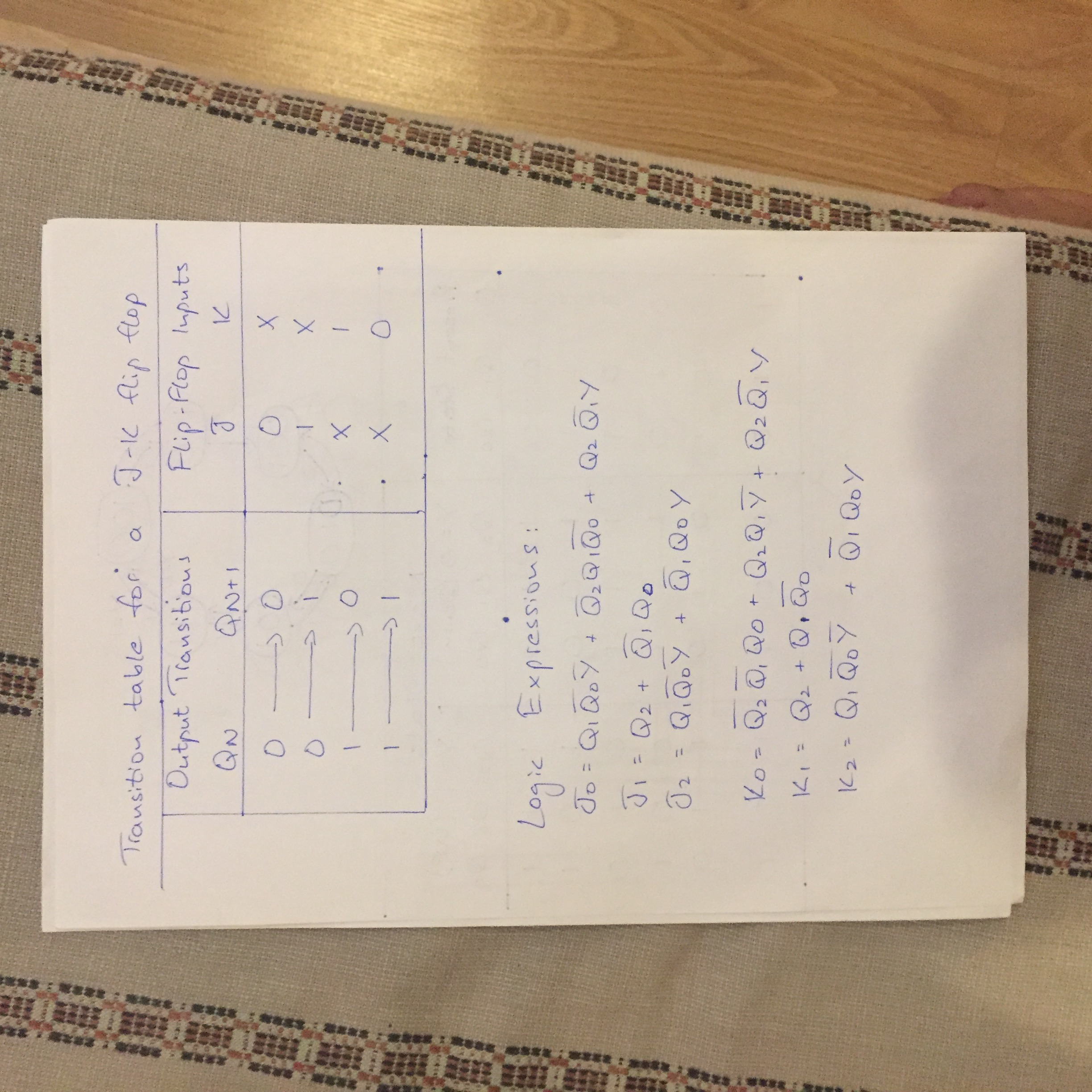
1. State Diagram:



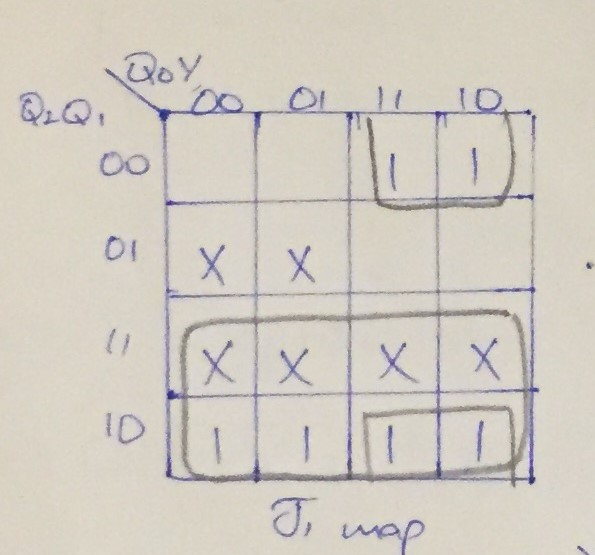
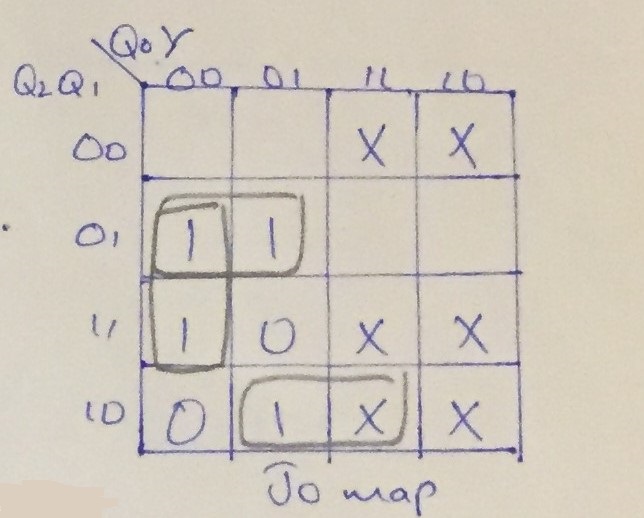
1. Next State Table:

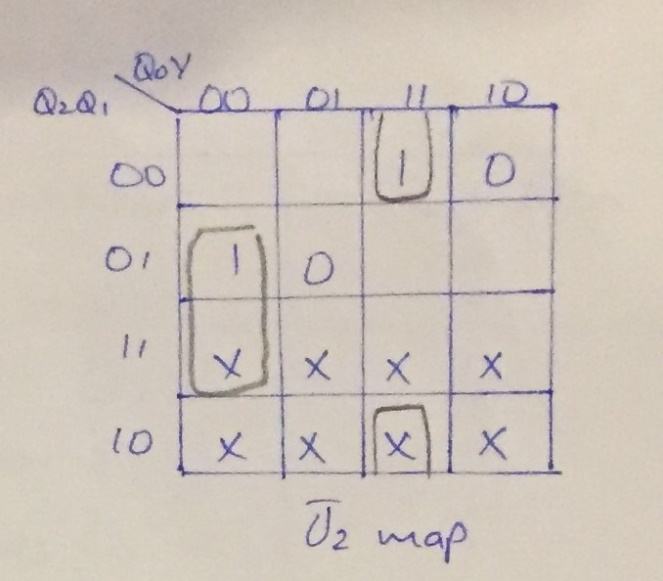


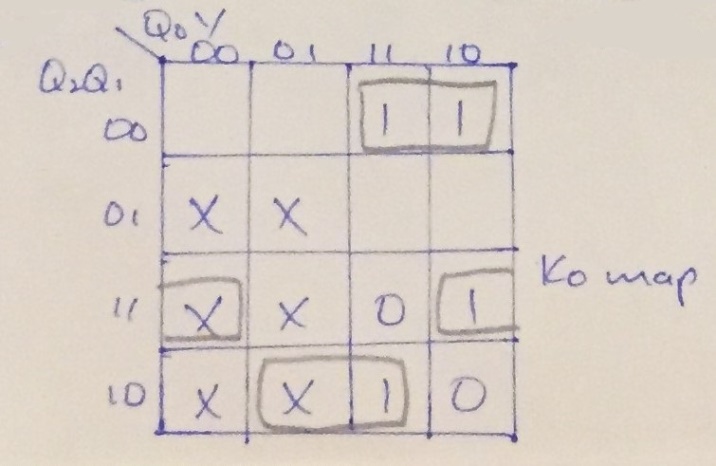
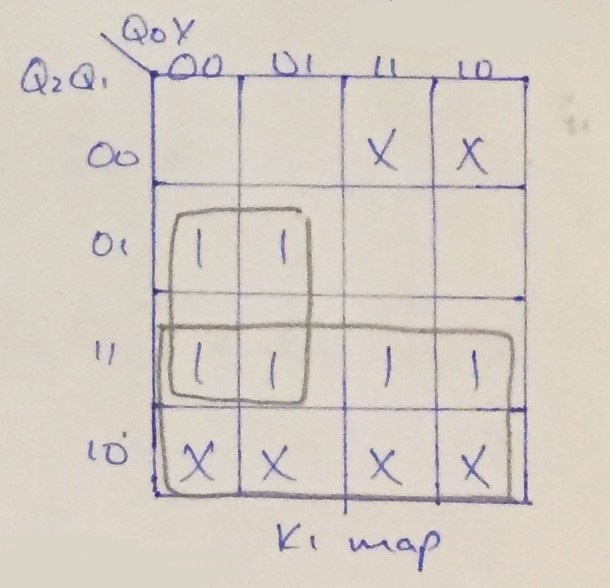
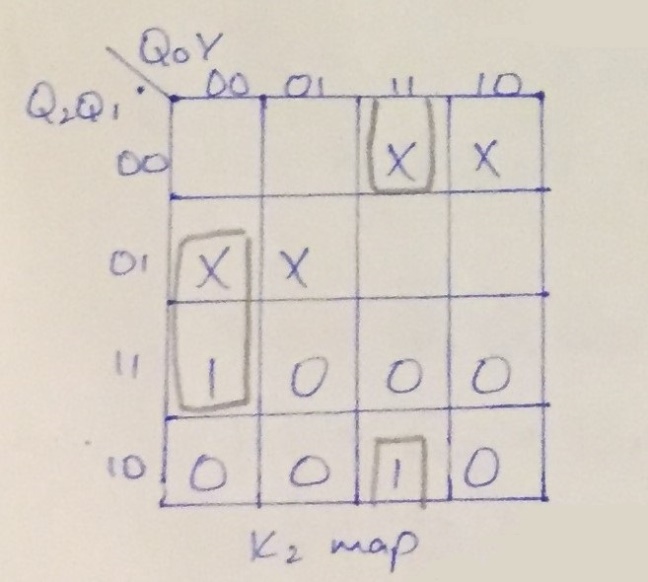
1. Flip-flop Transition Table:



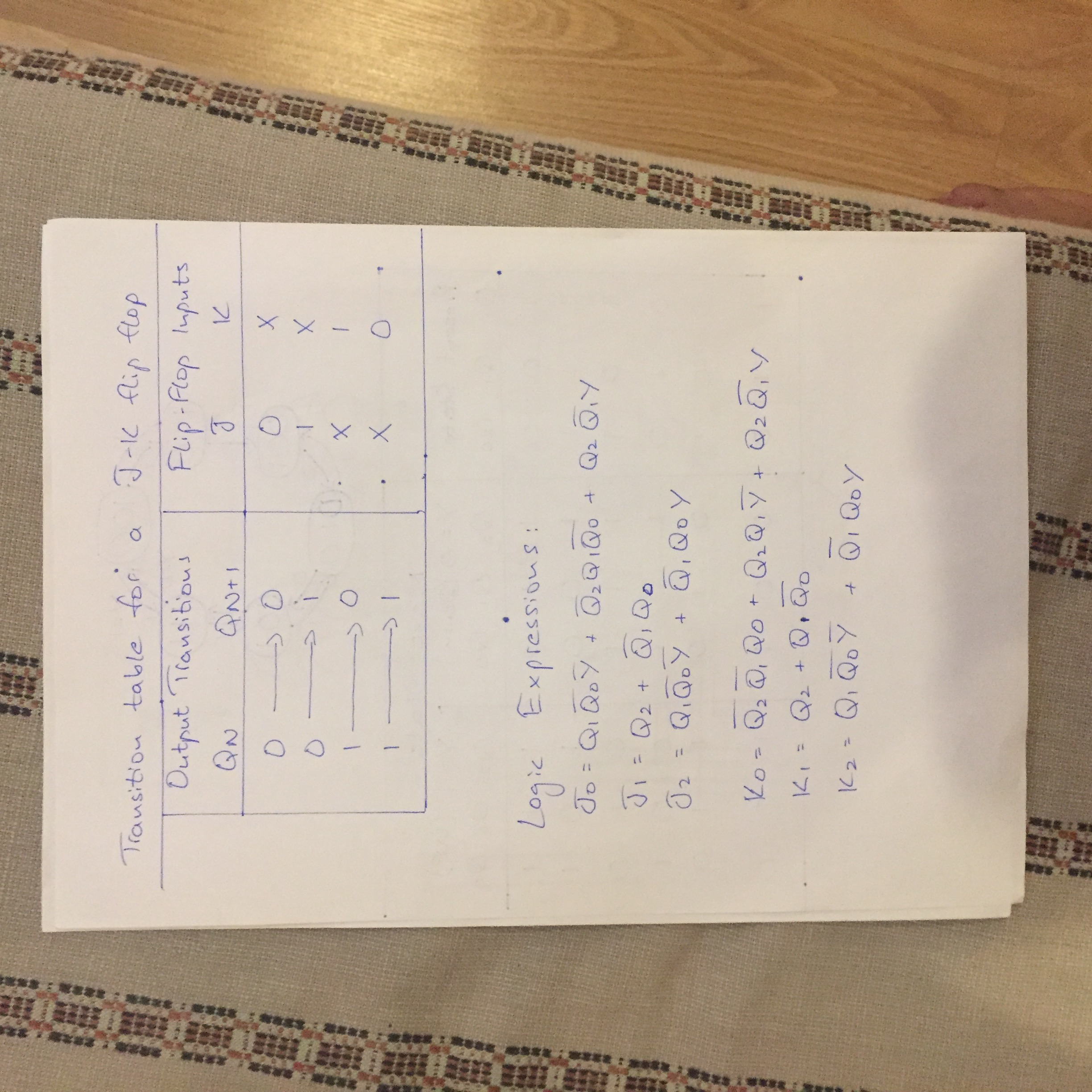
1. Karnaugh Maps:

J-maps



K-maps:

1. Logic Expressions:



1. Counter Implementation:

