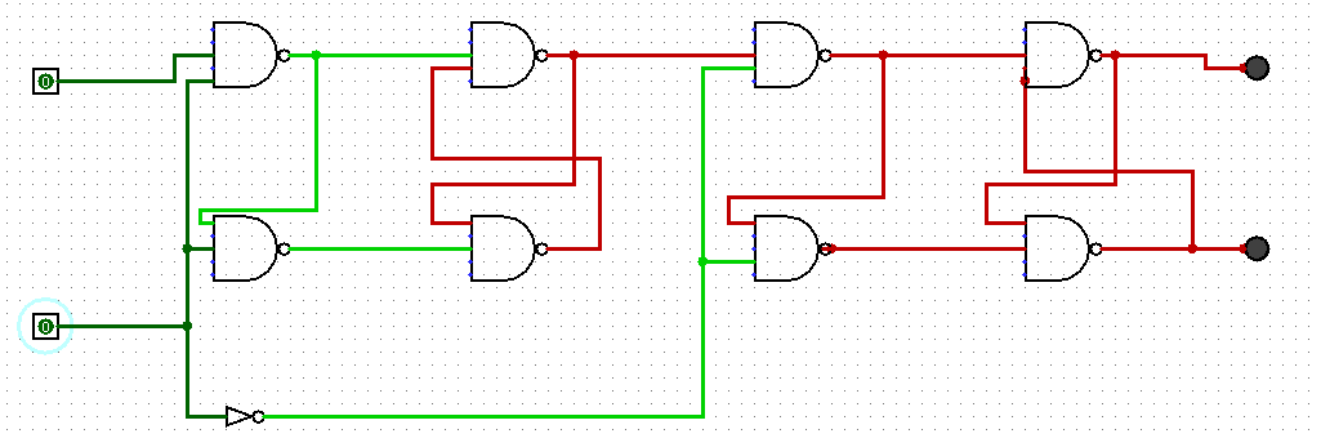


Student number:16319781

Part 1:

Negatively edge triggered D Flip flops.



Part 2:

Present-State/Next-State (PS/NS) Table for a JK Flip Flop

J	K	Q	Q'
0	0	Q	Q'
0	1	J	K
1	0	J	K
1	1	Q'	Q

Part 3:

Algorithmic State Machine (ASM) for a JK Flip Flop

