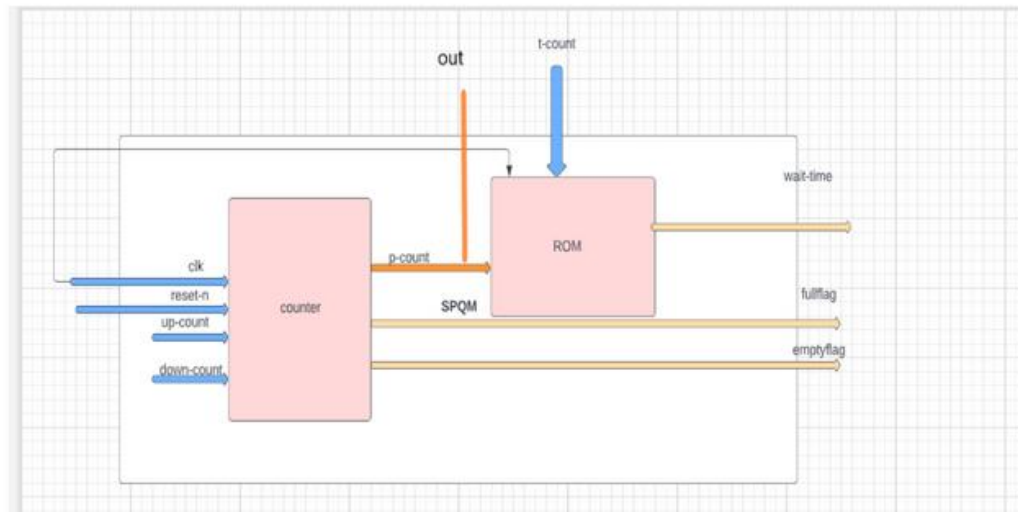**chipions project 1**
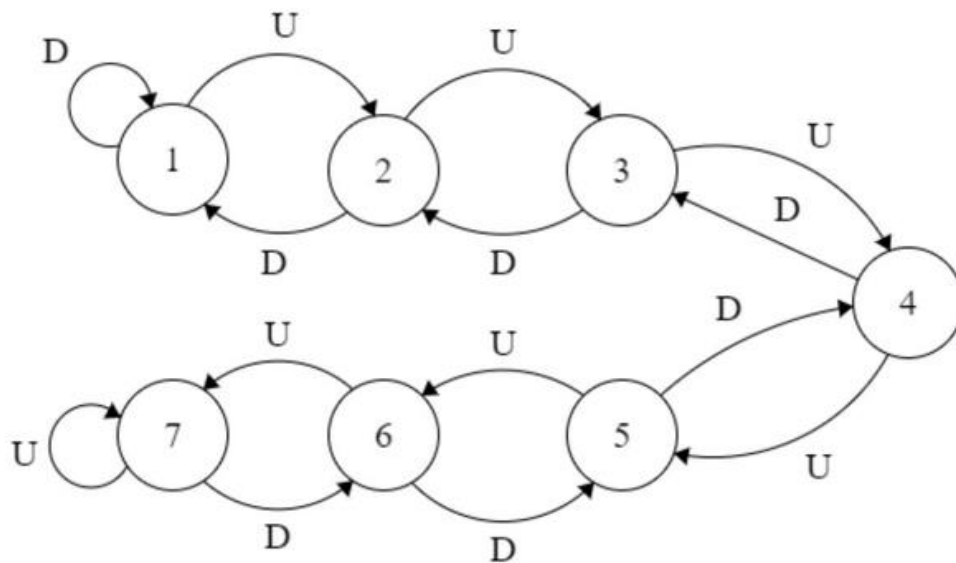
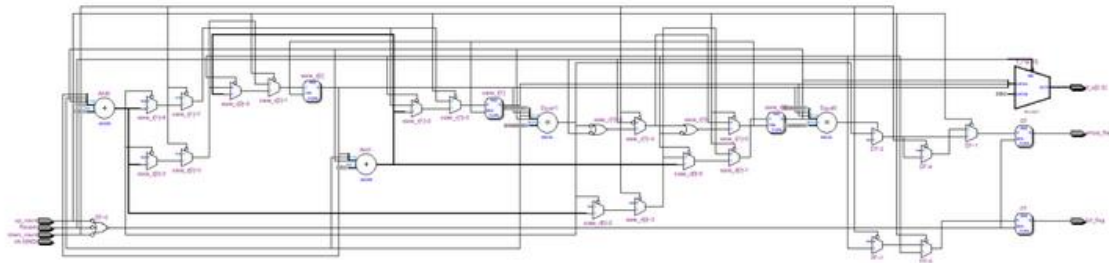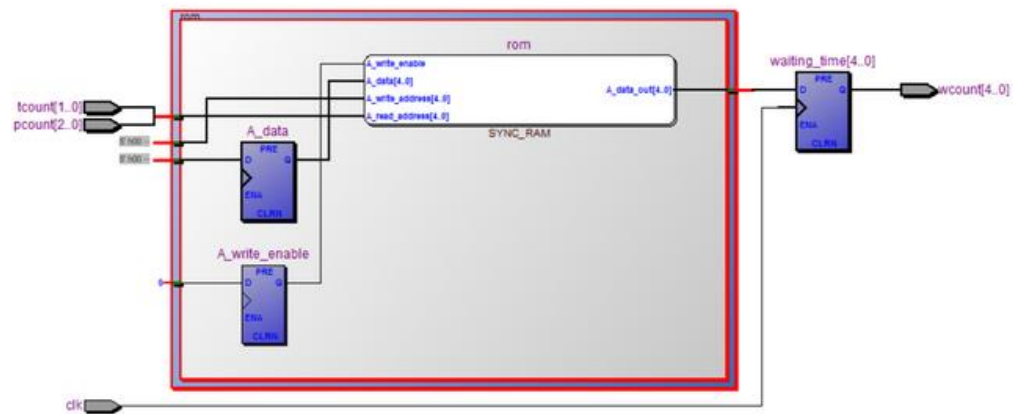**name : Mohamed Mohamed tarek**

Block Diagram

FSM

Synthesis
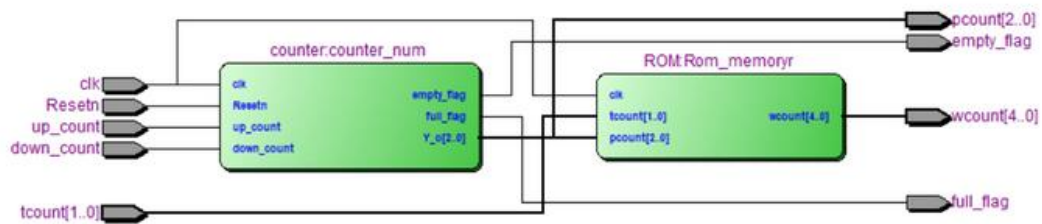
Counter:

ROM:

SBqM :

Test strategy :

1. Test the number of customers till the full queue.
2. Test the number of customers till the empty queue.
3. Test waiting time.
4. Test the wrap around when full queue and empty queue.
5. Test full flag and empty flag.

Test Bench: