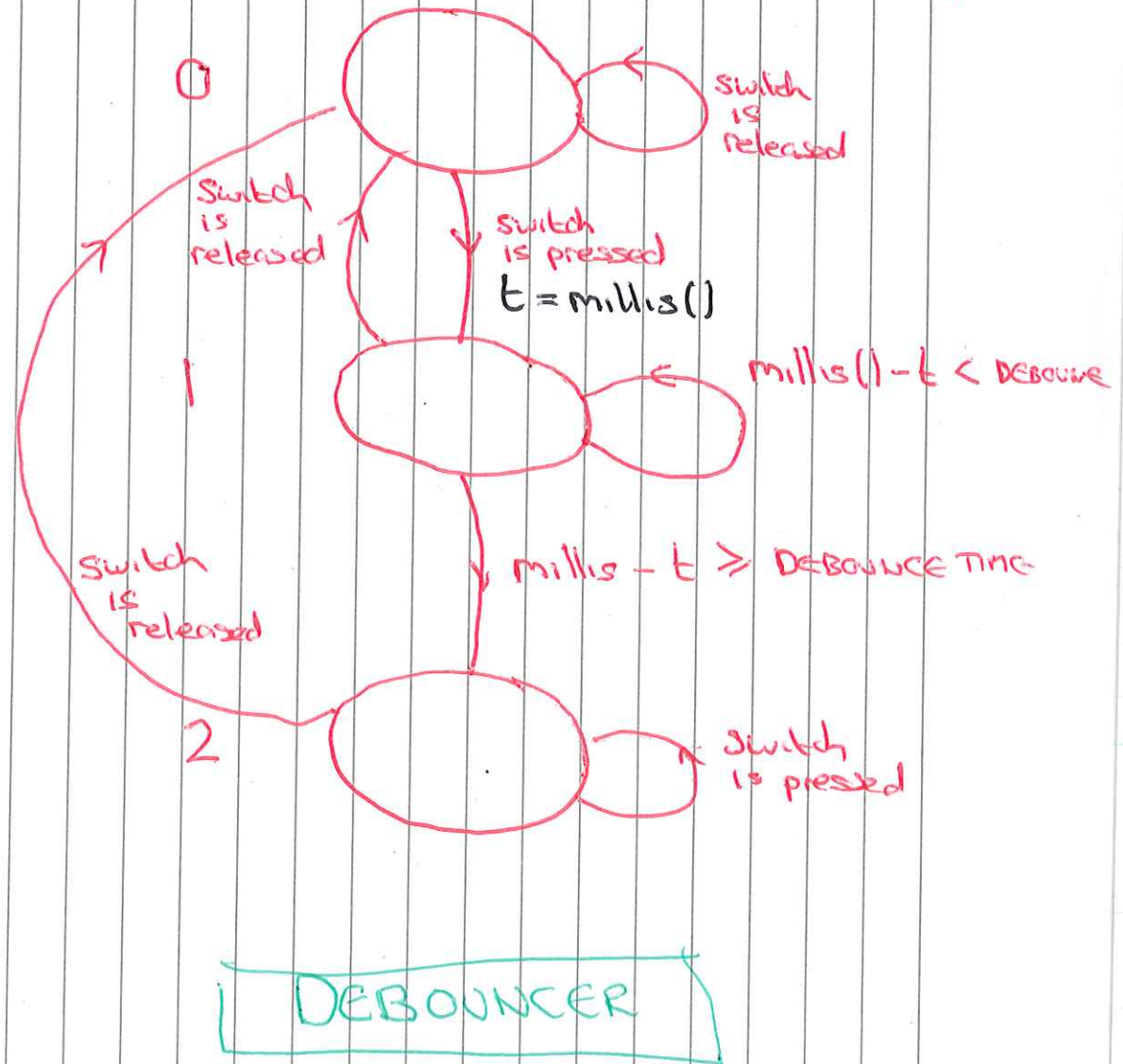


STATE 0: NOT PRESSED  
 STATE 1: PARTIAL PRESS  
 STATE 2: DEBOUNDED PRESS

## FINITE STATE MACHINE

module delay  
 of 15 ms

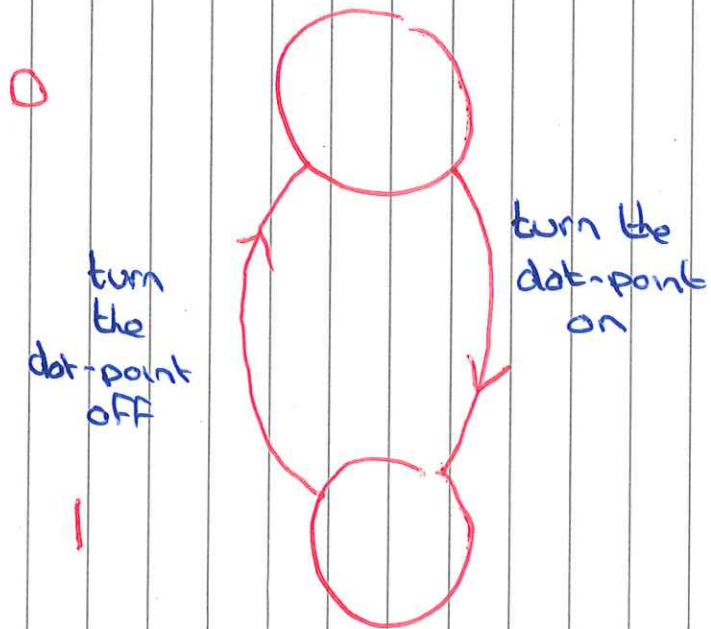


## HEARTBEAT

Let's assume that the heartbeat time is 500ms

\* check the specification!

module delay of 500ms \*



## Button Counter

module delay of 20 to 40 ms

