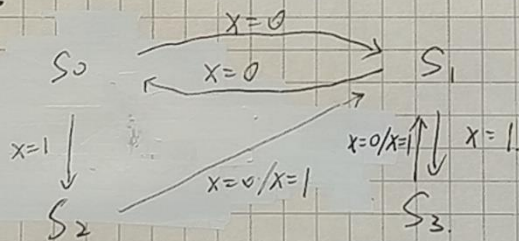


define  $S_0$  00  
 $S_1$  01  
 $S_2$  11  
 $S_3$  10

Current State ( $S$ )	Input ( $X$ )	Next State
$S_0$	0	$S_1$
$S_0$	1	$S_2$
$S_1$	0	$S_0$
$S_1$	1	$S_3$
$S_2$	0	$S_1$
$S_2$	1	$S_1$
$S_3$	0	$S_1$
$S_3$	1	$S_1$



Current State ( $S_0, S_1$ )	Output ( $Q$ )
0 0	0
0 1	1
1 0	1
1 1	1

land O.

in the final.

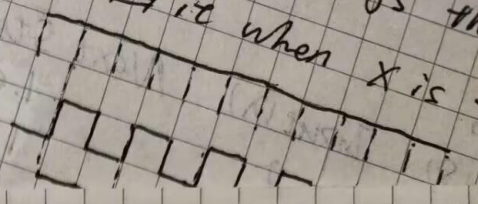
each lasts for 0.025

0.025

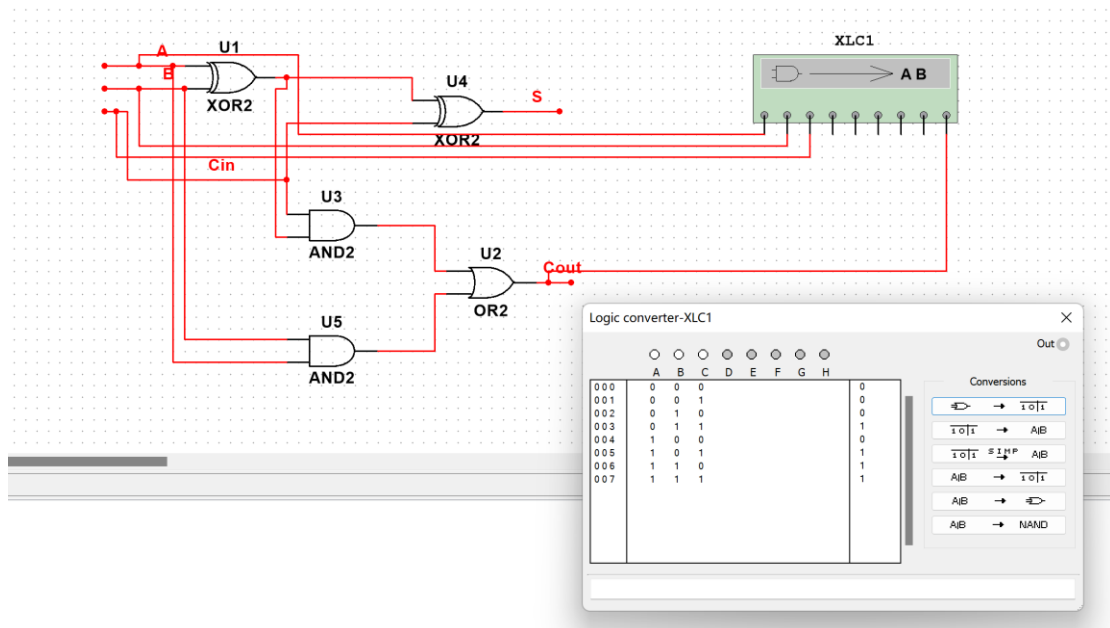
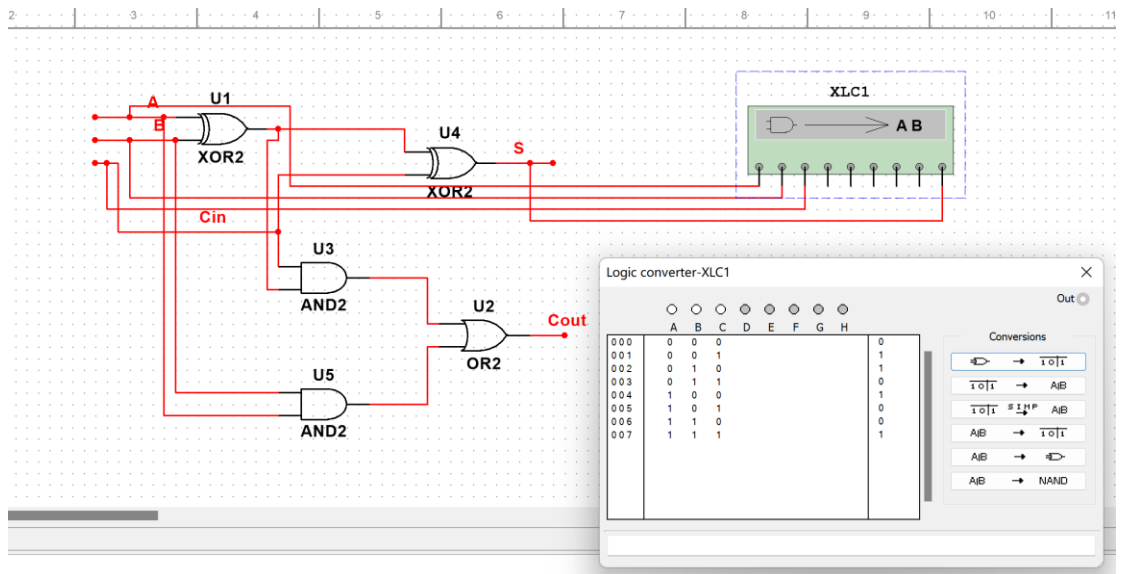
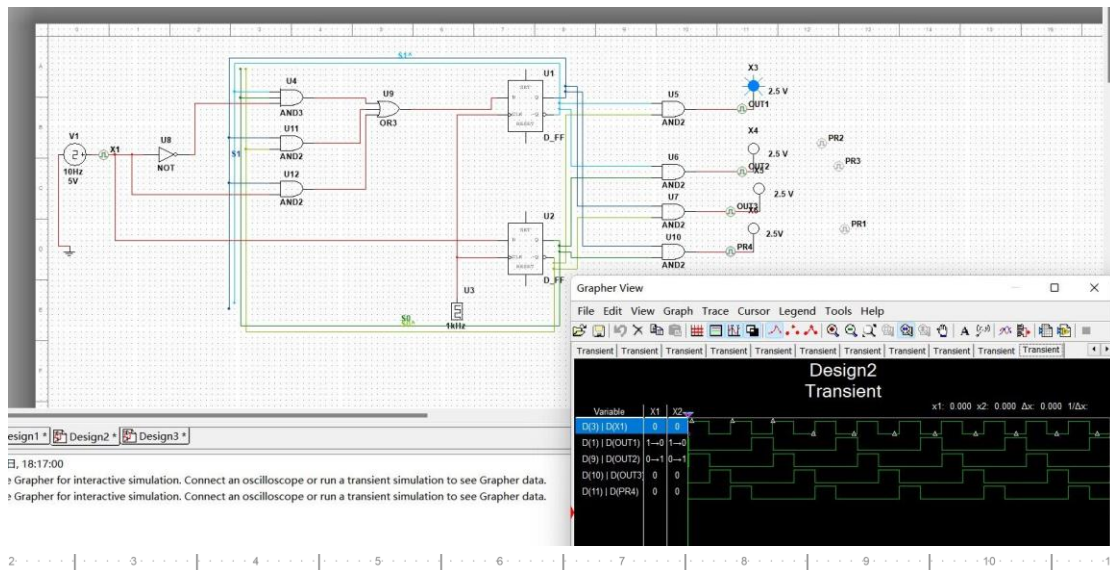
[illegible]

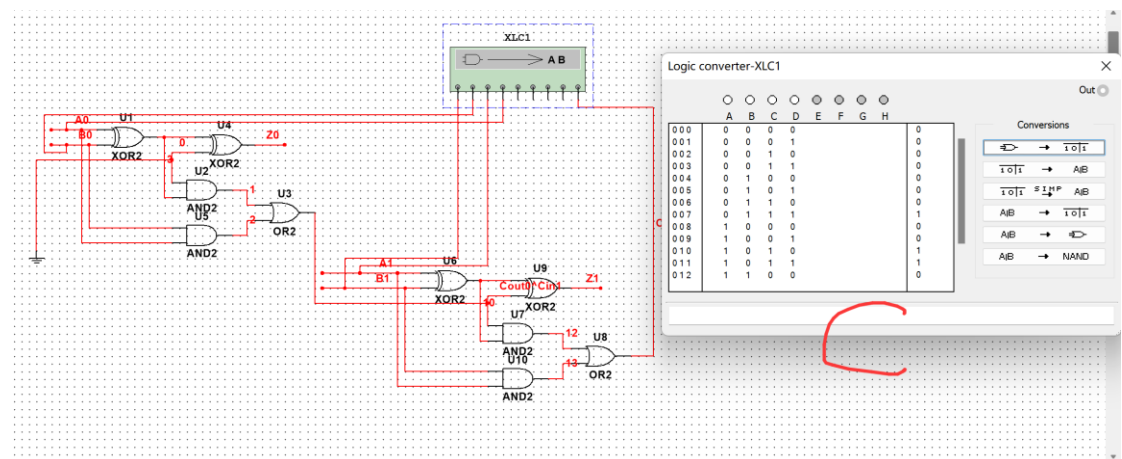
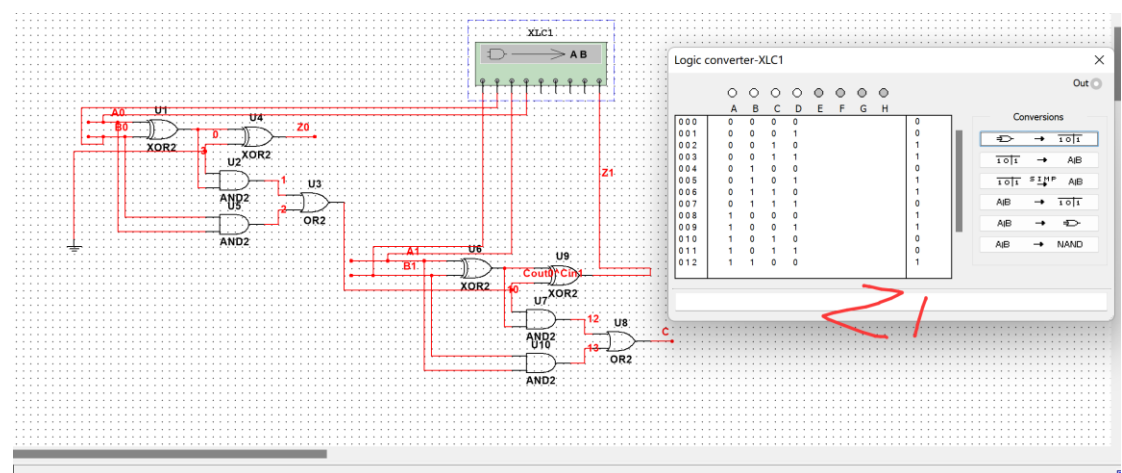
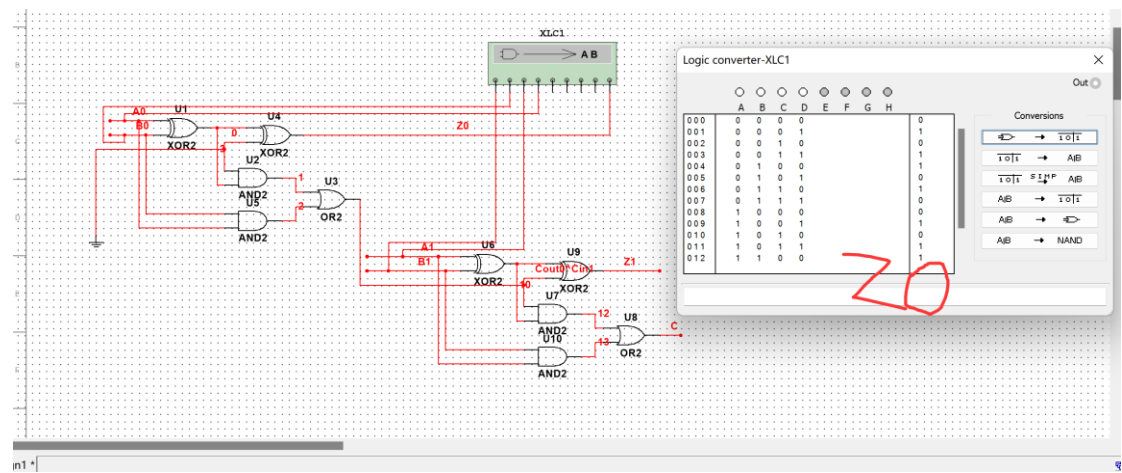


and so is high, per. 0.08s th  
 Input X is ~~it~~ it when X is  
 Clock.



Current State	Input	Next state
S <sub>0</sub> (00)	0	S <sub>0</sub> (00)
S <sub>0</sub> (00)	1	S <sub>1</sub> (01)
S <sub>1</sub> (01)	0	S <sub>2</sub> (10)
S <sub>1</sub> (01)	1	S <sub>1</sub> (01)
S <sub>2</sub> (10)	0	S <sub>2</sub> (10)
S <sub>2</sub> (10)	1	S <sub>3</sub> (11)
S <sub>3</sub> (11)	0	S <sub>0</sub> (00)
S <sub>3</sub> (11)	1	S <sub>3</sub> (11)





bonus暂无

hw3 4-1.py - D:/Pyhton3.8.5/hw3 4-1.py (3.8.5)

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```
from machine import Pin, PWM
import time
led2 = PWM(Pin(2))
led2.freq(1000)
while True:
    for i in range(0, 1024):
        led2.duty(i)
        time.sleep_ms(4)
    for i in range(1023, -1, -1):
        led2.duty(i)
        time.sleep_ms(4)
```

```
from machine import Pin, PWM
import time
led2 = PWM(Pin(2))
led2.freq(1000)
while True:
    for i in range(0,1024):
        led2.duty(i)
        time.sleep_ms(4)
    for i in range(1023,-1,-1):
        led2.duty(i)
        time.sleep_ms(4)
```