Counter Online

1905079

1905079 % 2 = 1

Thus asynchronous up counter (3 bit)

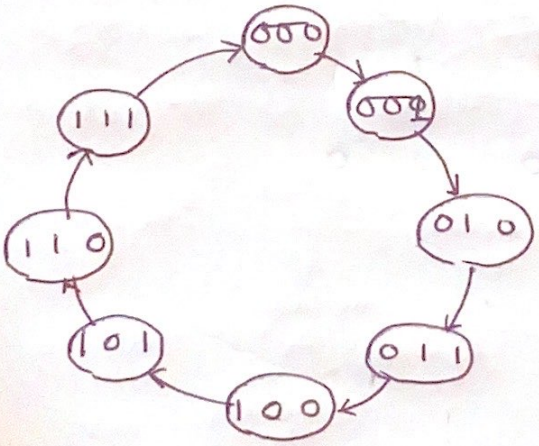
# of flip flops

↳ 3

states

$2^3 = 8$

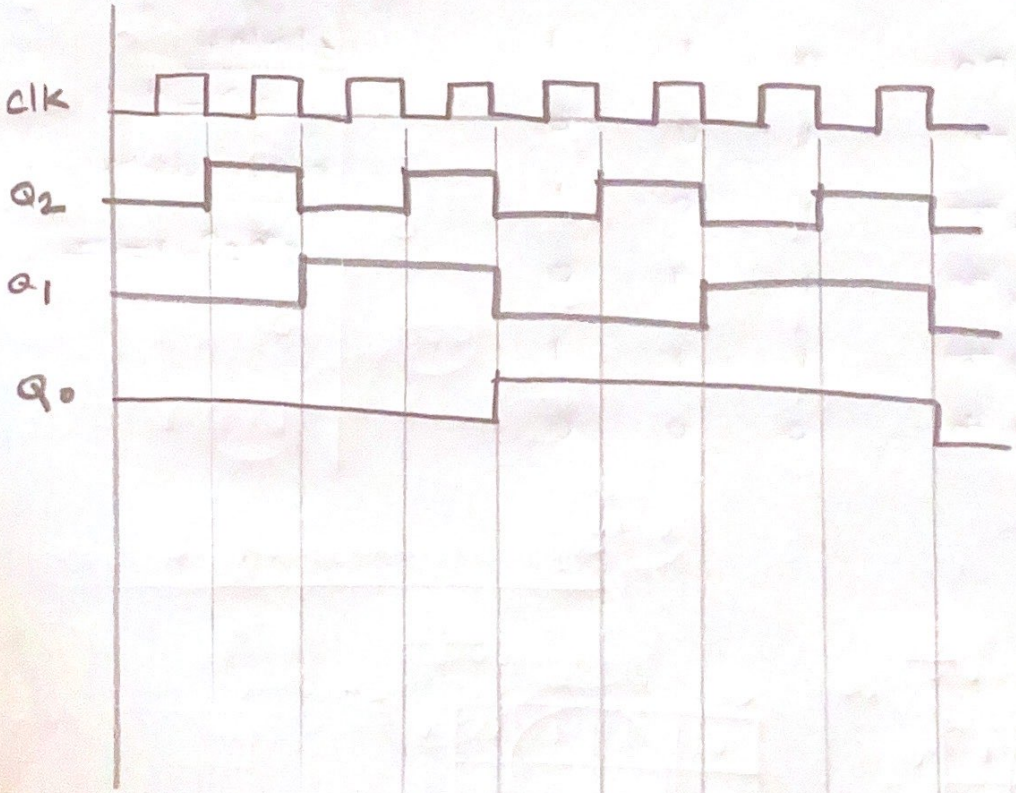
State Diagram



1905079 % 2 = 1

Thus Asynchronous UP counter (3bit)

Timing Diagram



Transition Table

clock	Q_2	Q_1	Q_0
Initial	0	0	0
1st	0	0	1
2nd	0	1	0
3nd	0	1	1
4th	1	0	0
5th	1	0	1
6th	1	1	0
7th	1	1	1
8th	0	0	0

states

$2^n = 8$

count upto

$2^n - 1 = 7$