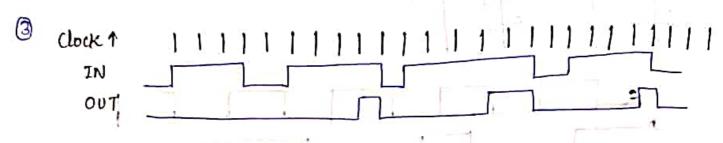
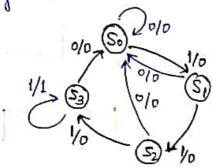
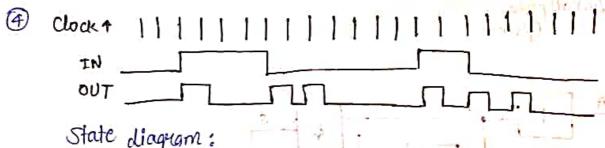


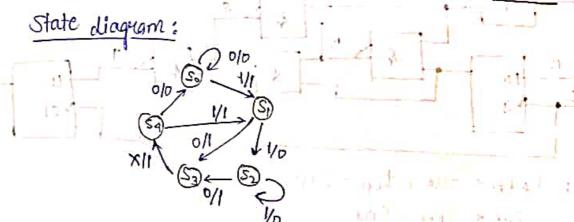
: Maximum Juequency of clock = 1 (total) min 28 ng = 35.7 M Hz



State diagram:





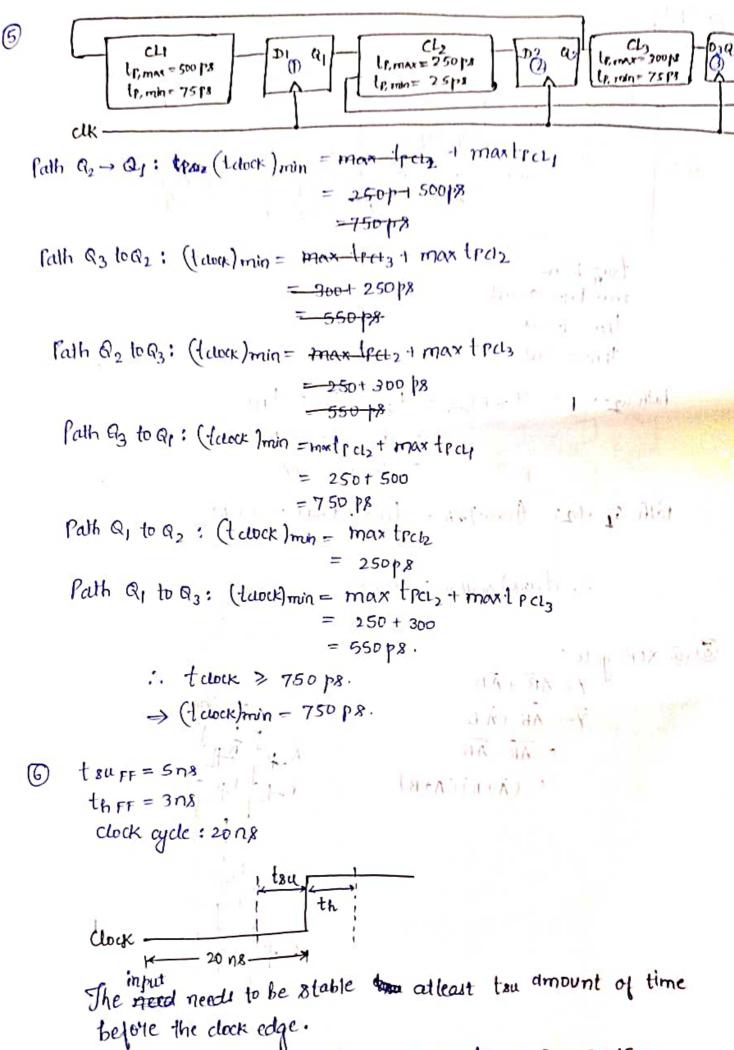


where the country of the same of the same

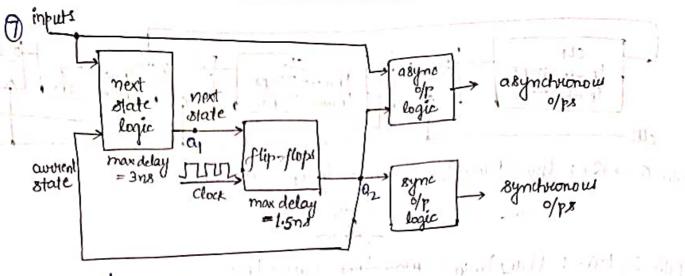
or the Street and Street

The state of the s

in the second



: Latest time D can change = 20 - 1su = 20-5=15 ng.



ten= 1.5ms max tak= 0.5 nd tpr= 1.5nx tpns = 3ns

Path Q2 -> Q1: (t clock) min = \$toggap + tsk + t PFF.

= 66 + 0.5+ 1.5 pol pol pol rills = ouslose 2n8

Path Q - 02: (tolock) min = tpNs + tsuff = 3 + 1.5 4.5 ns.

.. (toock) smallest = 4.5 ns.

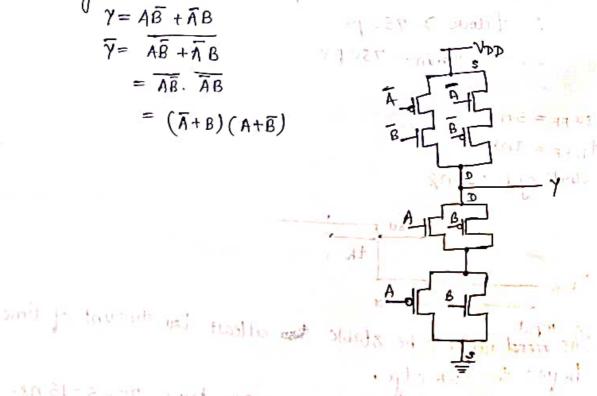
8 @ XOR gate:

$$\gamma = A\overline{B} + \overline{A}B$$

$$\overline{\gamma} = A\overline{B} + \overline{A}B$$

$$= \overline{A}\overline{B} \cdot \overline{A}B$$

$$= (\overline{A} + B)(A + \overline{B})$$

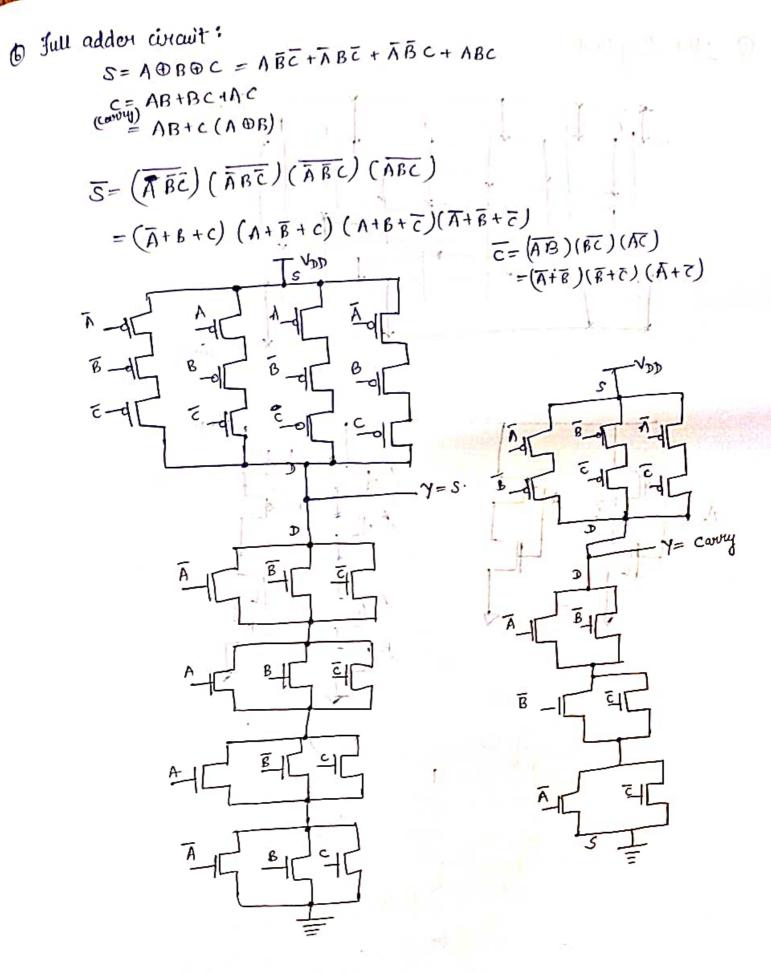


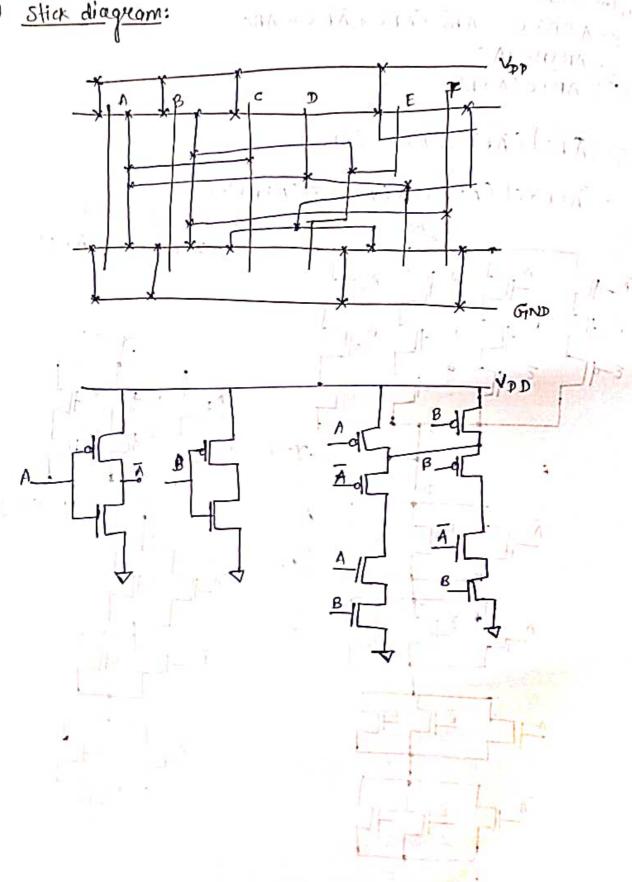
- round rough i foll 2 181

- m(bout) : 20 of 12 die!

17/1 61 to 63

- 20 - tan - 25 - 5 - 15 ng.





$$\begin{array}{ll}
\overline{P} & \overline{P} &$$

