## FSMS:

- Design the problem with simple words. Encode binary (simlar) value to the states
- State Puble
- K-maps for expressions
- lofic diagram

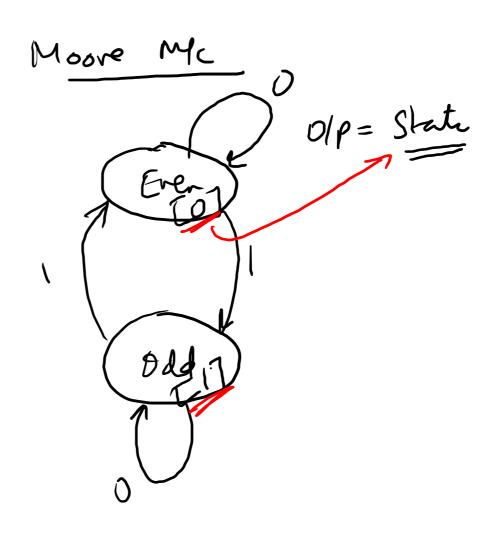
States
Control
Datapata

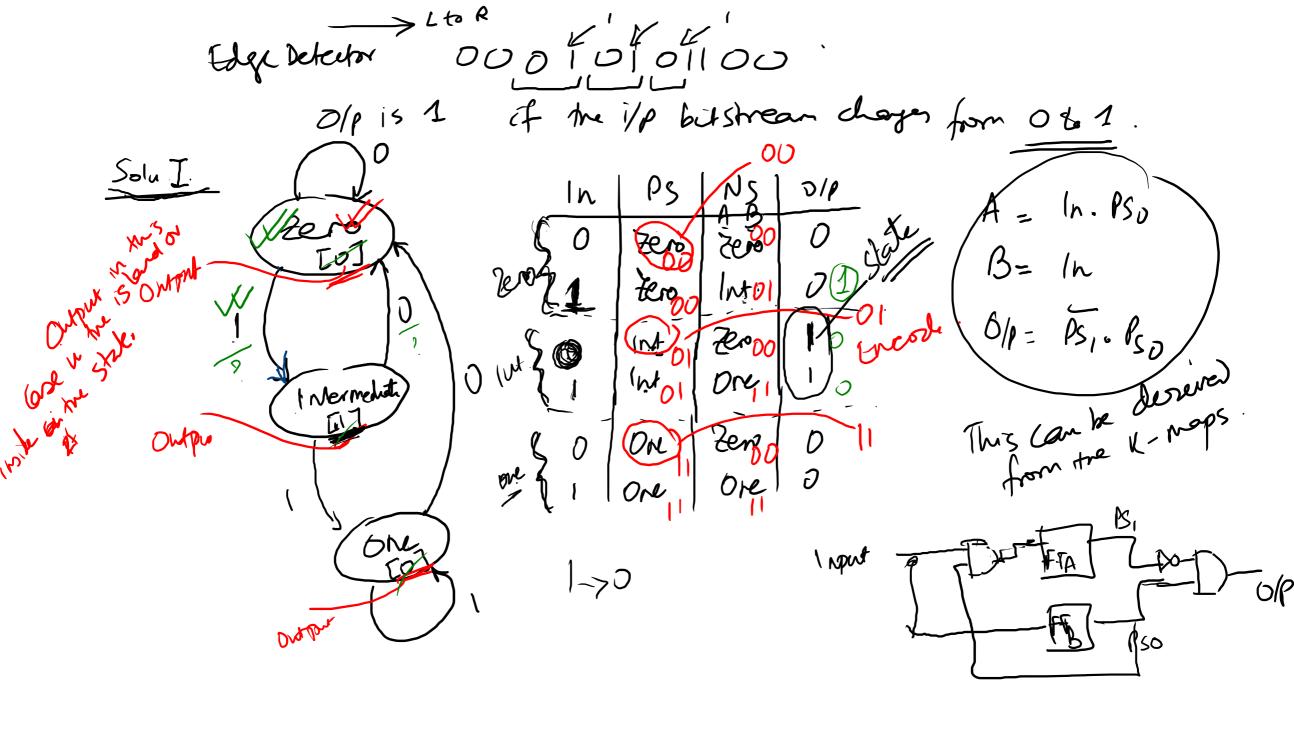
odd ranty checken:		90 +		no of ones is of thereise of	
read [5]	PS	PS	mput	NS	Olp.
1 1 1				I	l ^

PS PS	mput	NS/	Olp.
O(tren	0	Even7	U Z
0) Even	1	oddl	0 }
( todd	0	tell	1 ?
2 odl	1 1	1 EvenD	1 )

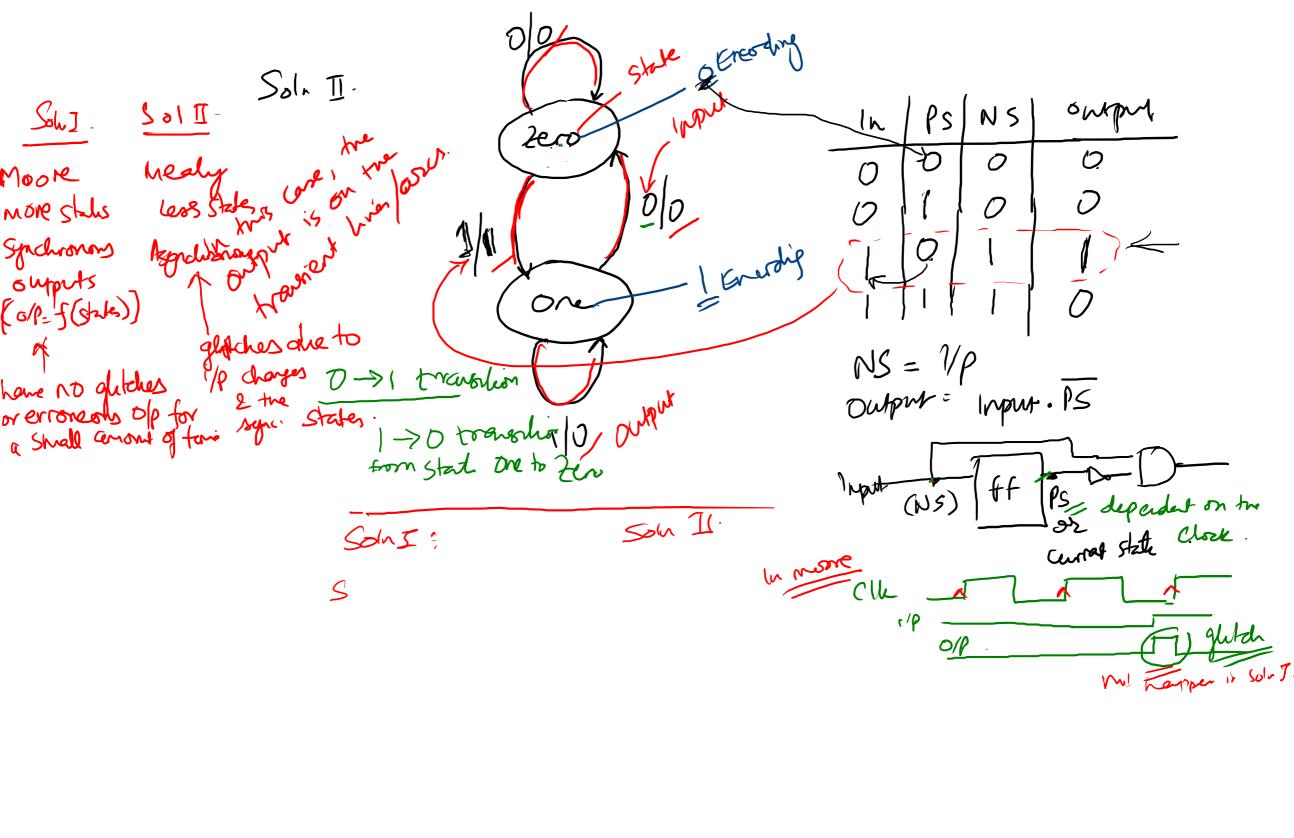
It then you signal 'I'as a flag Even = D } Grode these out! NS Equations NS = PS D 1 uplut

Meely Mc 6/p = CS & 1/p Even 10 Odd.





	•	



Zero 00

INT. 91

Ore 1110

Stake Paduction: (Result in fewer gates / fewer flapflops)

Simpler design

Simpler design

Simpler design

Simpler design

Simpler design

The work of the 2 states have Same of 2 txthorns are streets and

they go to the New Same Newt State.

On both self toop

or both than to each other than

they are Equival ENT. (New doc to EPI)

