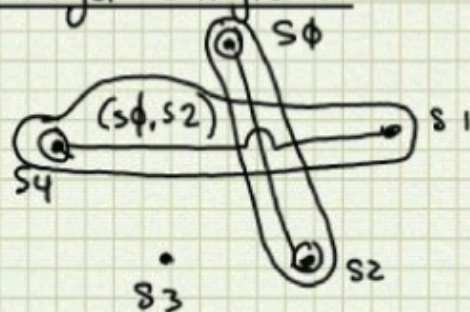


e.g. curr state	next state		output (z)	
	A=0	A=1	A=0	A=1
s ϕ	s3	s2	1	1
s1	s ϕ	s4	0	0
s2	s3	s ϕ	1	1
s3	s1	s3	0	1
s4	s2	s1	0	0

Implication Chart:

	X - not equi. due to output values			
	s ϕ	s1	s2	s3
s1	X			
s2	✓	X		
s3	X	X	X	
s4	X	(s ϕ , s2) ✓	X	X

Merger Diagram:



Clique: A set of nodes with edges between every pair of nodes

- ① Find cliques of nodes connected by edges
- ② Ensure all conditions on any grouped edges are satisfied.

ASM Charts

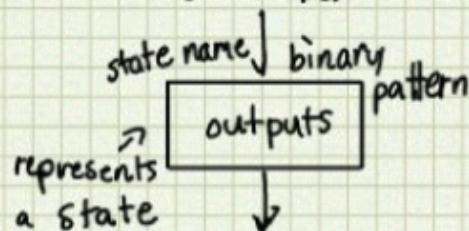
* Just an alternative to a state diagram - looks more like a flowchart

* Three elements appear in an ASM

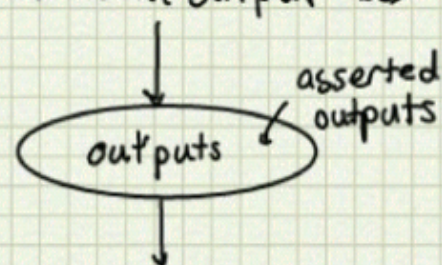
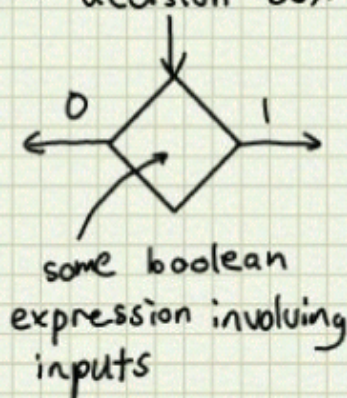
- state box

- decision box

- conditional output box



outputs that are asserted in the state are shown in the box



* Typical to only show outputs when they are asserted.

Example: ASM for circuit with 3 states (s ϕ , s1, s2), 3 inputs (G, W, Z) and one output (A).

