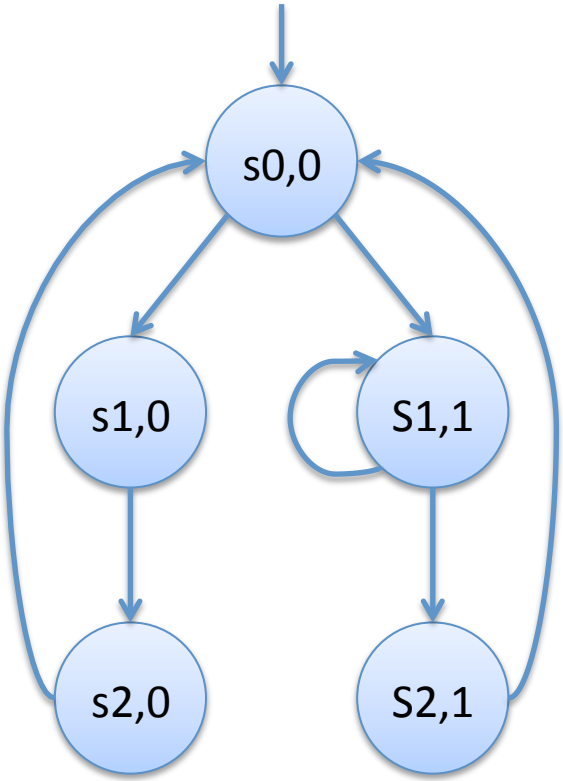

Notation: 

S={(s0,0),(s1,0),(s2,0),
(s0,1),(s1,1),(s2,1)}

s_0=(s0,0)

T={ ((s0,0), (s1,0)),
((s0,0), (s1,1)),
((s1,0), (s2,0)),
((s1,1), (s1,1)),
((s1,1), (s2,1)),
((s2,0), (s0,0)),
((s2,1), (s0,0)) }

Assuming I am only
Interested in y as output:

L(s0,0)=L(s1,0)=L(s2,0)={}
L(s0,1)=L(s0,1)=L(s0,1)={y}