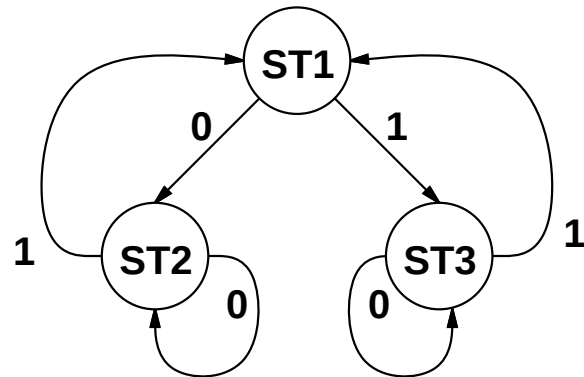


Consider the following FSM:

Current State	Input	Next State
ST1	0	ST2
ST1	1	ST3
ST2	0	ST2
ST2	1	ST1
ST3	0	ST3
ST3	1	ST1



(Note: Diagram and state transition table should represent the same FSM.)

How many P-Terms and Total wired-OR crosspoints does the PLA implementation of this FSM require for each of the state encodings suggested below?

	(a)	(b)	(c)	(d)
ST1	01	001	00	11
ST2	10	010	01	10
ST3	11	100	10	00
Pterms				
Crosspoints				