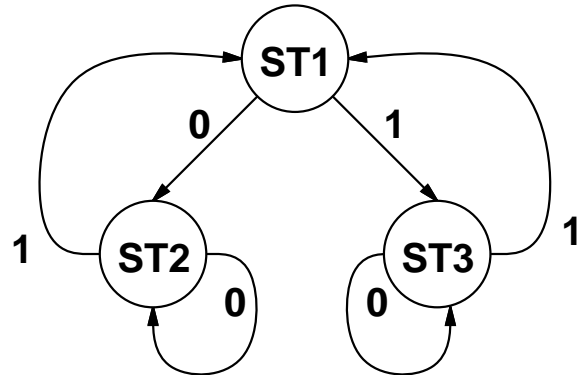


Consider the following FSM:

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.)

- Which FSM encoding requires the fewest Pterms? (how many Pterms?)
(approach: how many Pterms does each encoding require?)

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

(for (e) you may pick you may pick your own encoding if you believe you can find a better one than the the 4 listed.)

- The least PLA area?