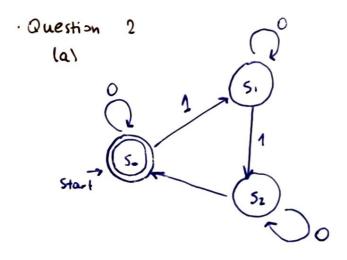
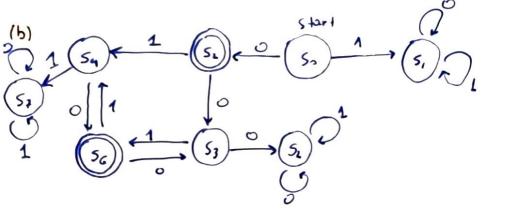
Peergrade Assignment 6

· Question 1

- (a) No, the empty string is not accepted by this automation
- (b) Three Strings that are Not accepted: bb, ba, bua
- (c) Three Strings that are accepted: 0,60, 9abu, abubb
- (d) The language recognised by A is: (b"a a"b) (b+a a"b) a (a1b)"





(a) Vi V2 V3 where V: vertices e: edges

(b) "A connected graph (v,e,f) is connected if there exists a walk from u to v for all u,v e Vii

Thus if we have 6 vertices, we need a minimum of 6 edges to be a connected graph.

is we cannot design a connected graph with 6 vertices and 5 edges and that has a circuit

cannol be designed