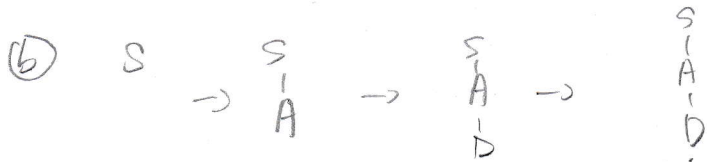


4. Best Search (Assume test when insert)

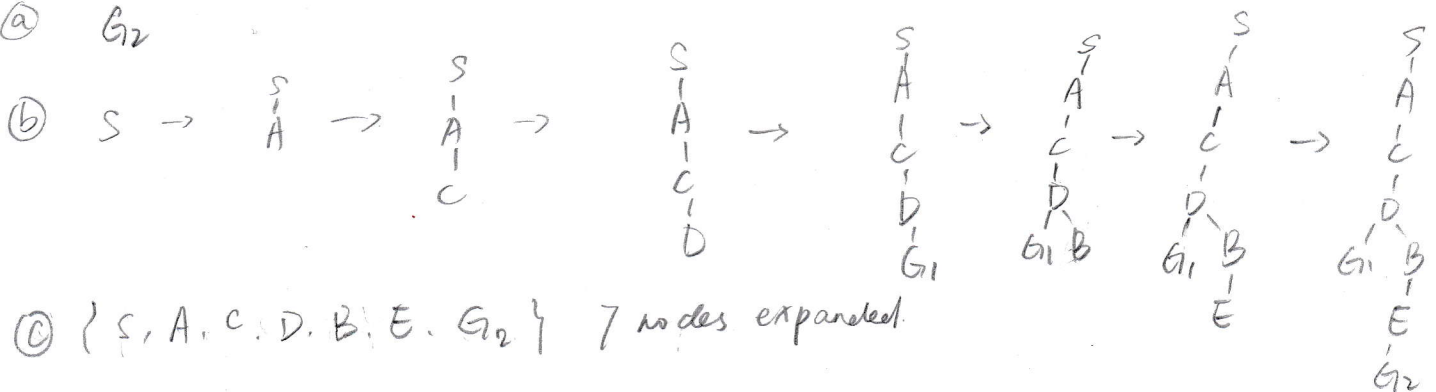
(a) G_1



(c) $\{S, A, D\}$ 3 nodes expanded. G_1

5. A^* (Assume algorithm stops when expand the goal node)

(a) G_2



(c) $\{S, A, C, D, B, E, G_2\}$ 7 nodes expanded.