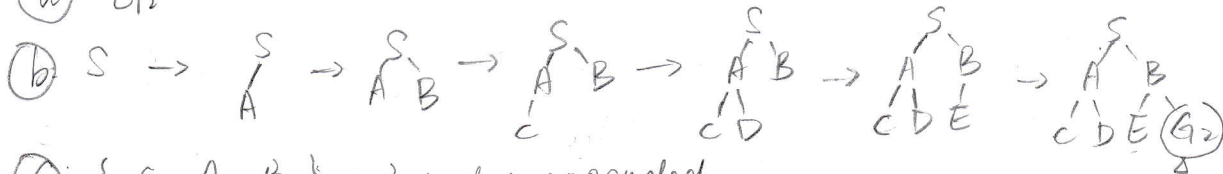


1. Breath-first Search (Assume test when insert)

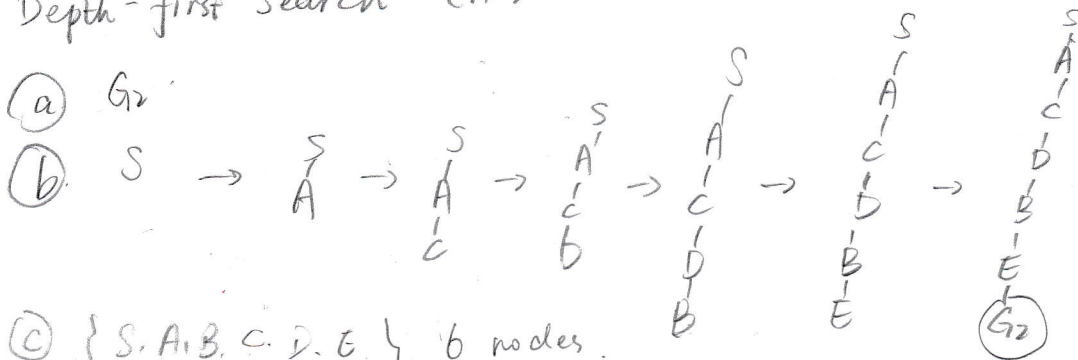
(a) G_2



(c) $\{S, A, B\}$ 3 nodes expended

2. Depth-first Search (Assume test when insert)

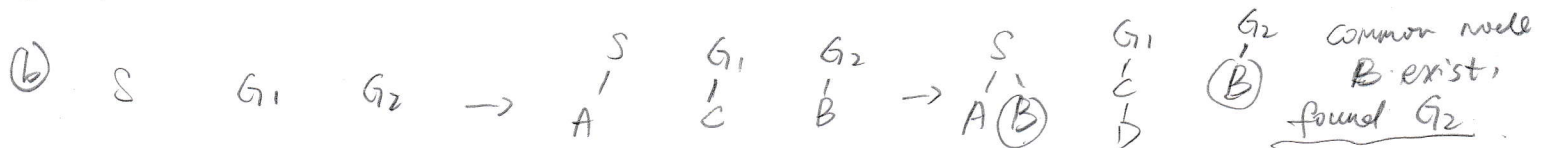
(a) G_2



(c) $\{S, A, B, C, D, E\}$ 6 nodes expended

3. Bidirectional (Assume test when insert)

(a) G_2



(c) $\{S, G_1, G_2, C\}$ 4 nodes expended