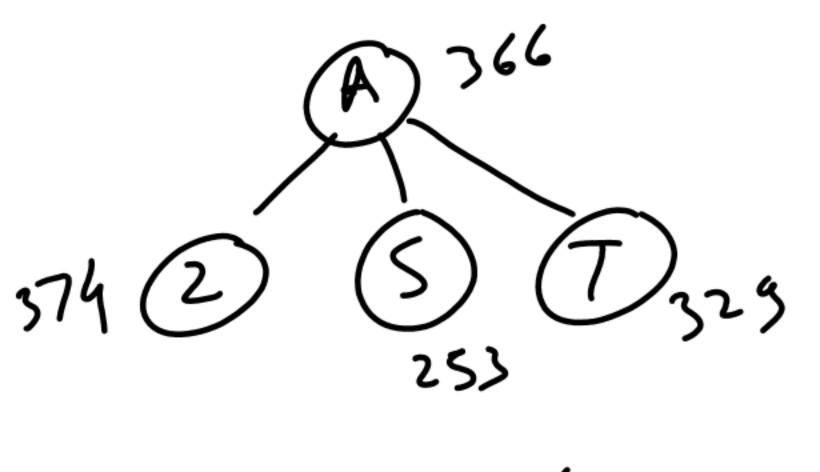
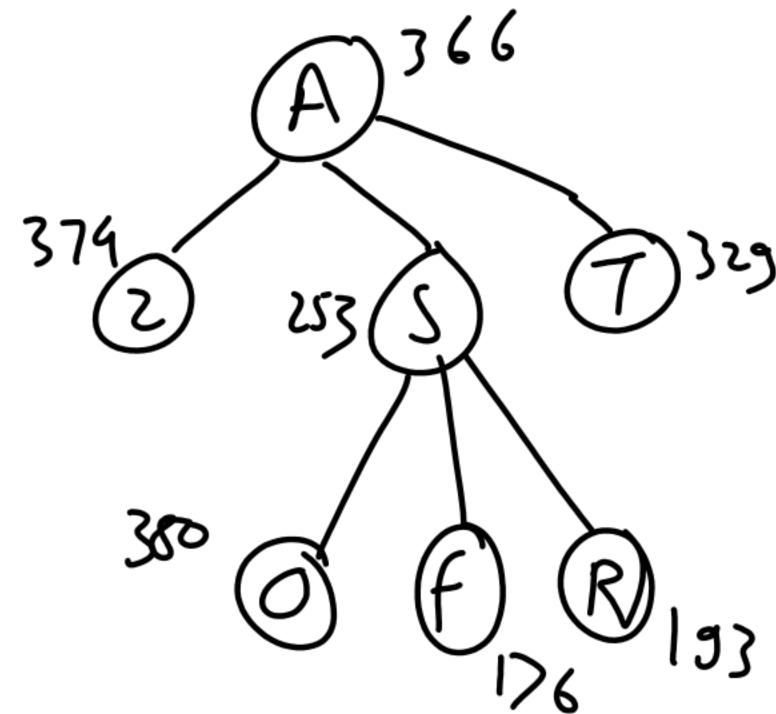
Informed search Algorithms:-

1) Greedy Best Lirst Search (GBFS)

$$f(n) = h(n)$$

Find path from A to B.





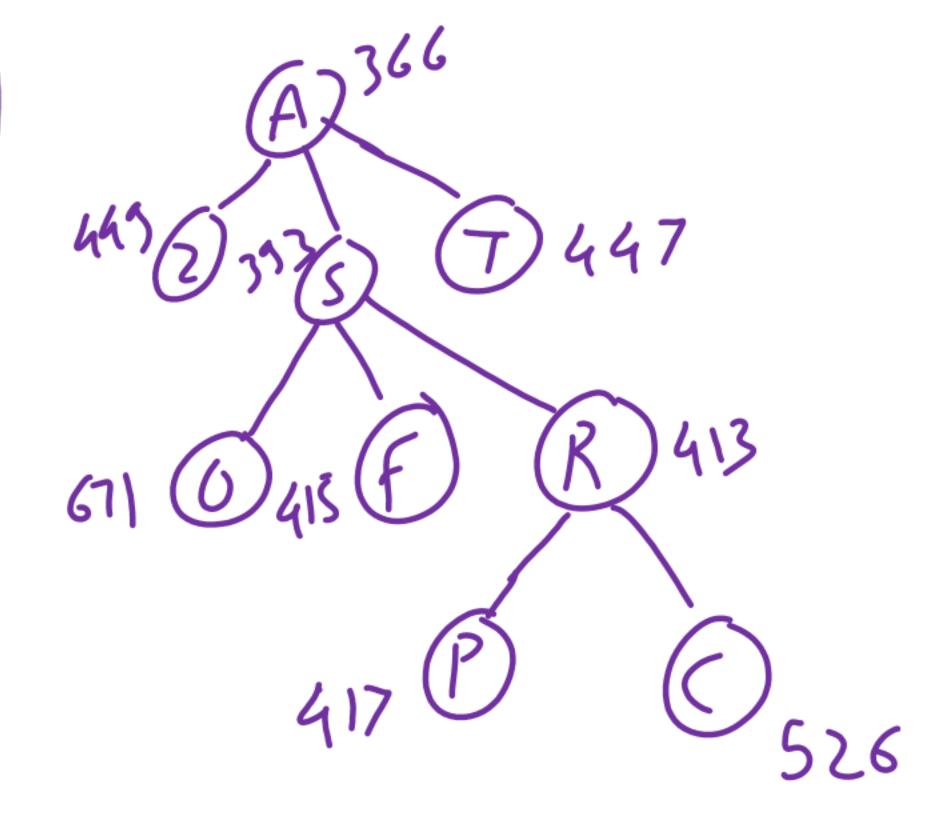
$$C \rightarrow A_1 S_1 F_1 B$$

 $O \rightarrow Z_1 T_1 O_1 R$

Path From L to B (J) Path: L-M-DC-P-B Ax algorithm:

$$f(m) = g(n) + h(n)$$
 $O + 366 = 366$

$$449 = 75+3>42$$
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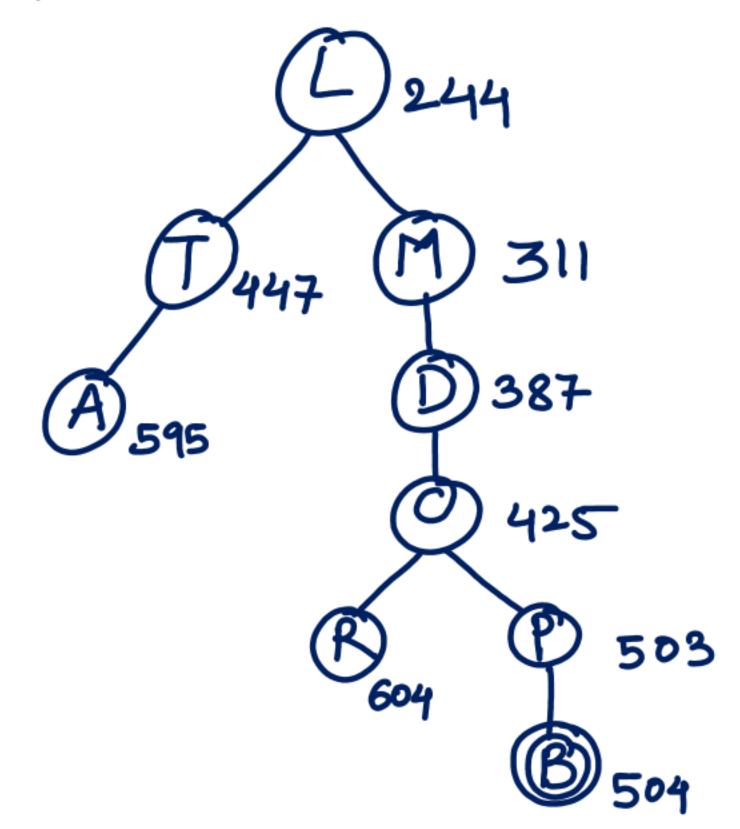


(A)366 413 450+0 418+0

Example 2) hind path from L to B

Ex2:. L la 13 pars

San



7 Admissible heuristie: Eriungle inequality

onsistan(y 1.

 $h(n) \leq h(N,q,n') + h(n')$