Eg Show the results of inserting the keys

F, S, Q, K, C, L, H, T, V, W, M, R, N, P, A, B, X, Y, D, Z, E

in order into an empty B-tree with min. degree 2

Sol^{n} Here $t = 2$ so a node can contain $1 \le x \le 3$ keys.

F — F

S — F S

Q — F Q S

K — Q / F | S ⇒ Q / F K | S

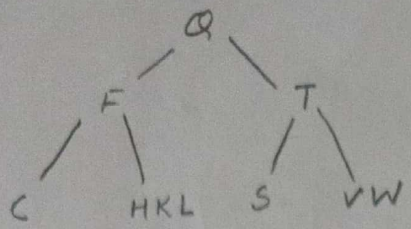
C — Q / C F K | S

L — F Q / C | K | S ⇒ F Q / C | K L | S

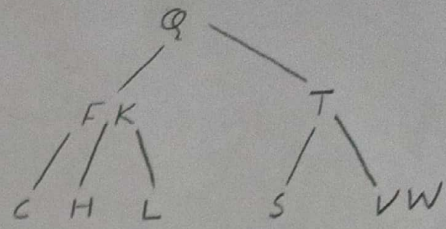
H, T, V — F Q / C | H K L | S T V

W — F Q T / C | H K L | S | V ⇒ F Q T / C | H K L | S | V W

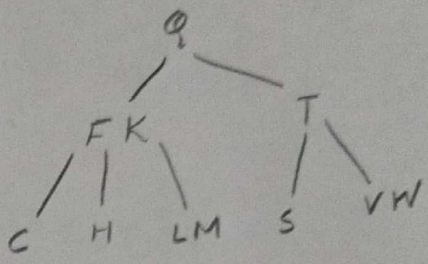
M



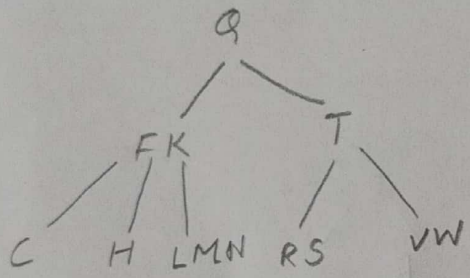
⇒



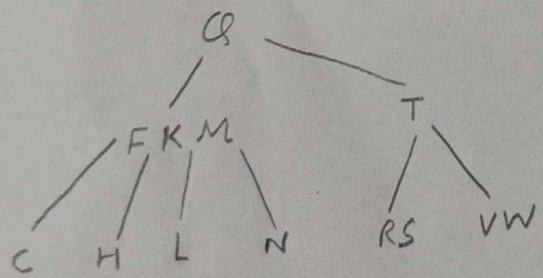
⇒



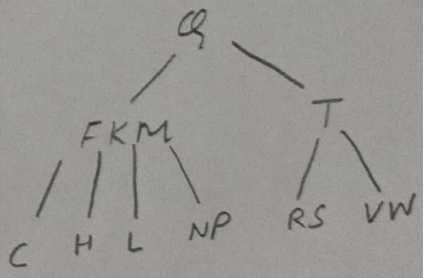
R, N



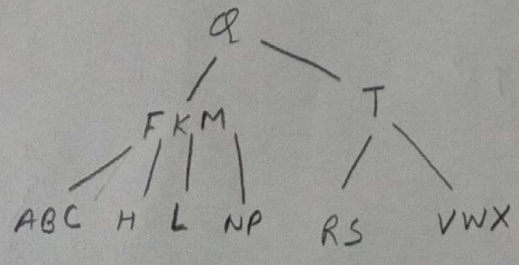
P



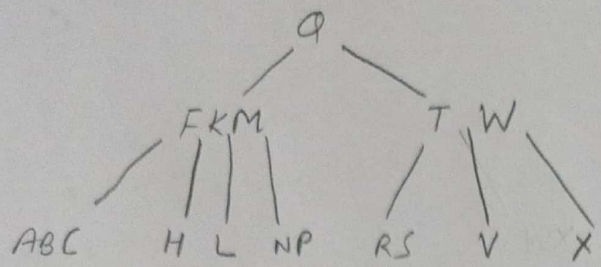
⇒



A, B, X



Y



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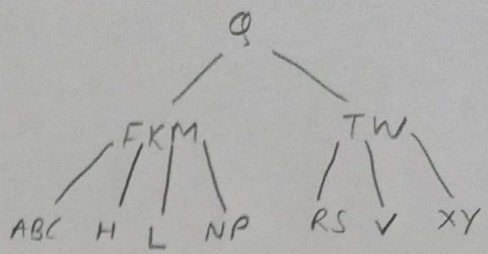
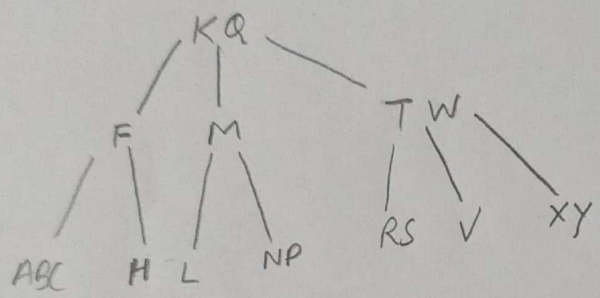
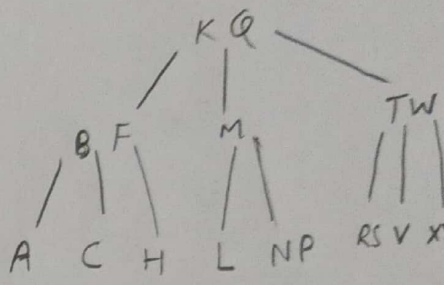


D



⇒



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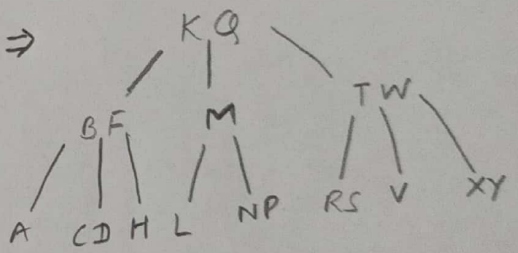
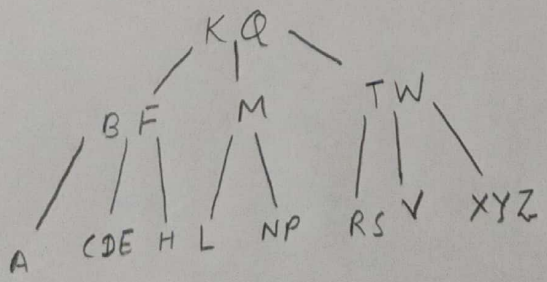


Z, E



Required.

Ans