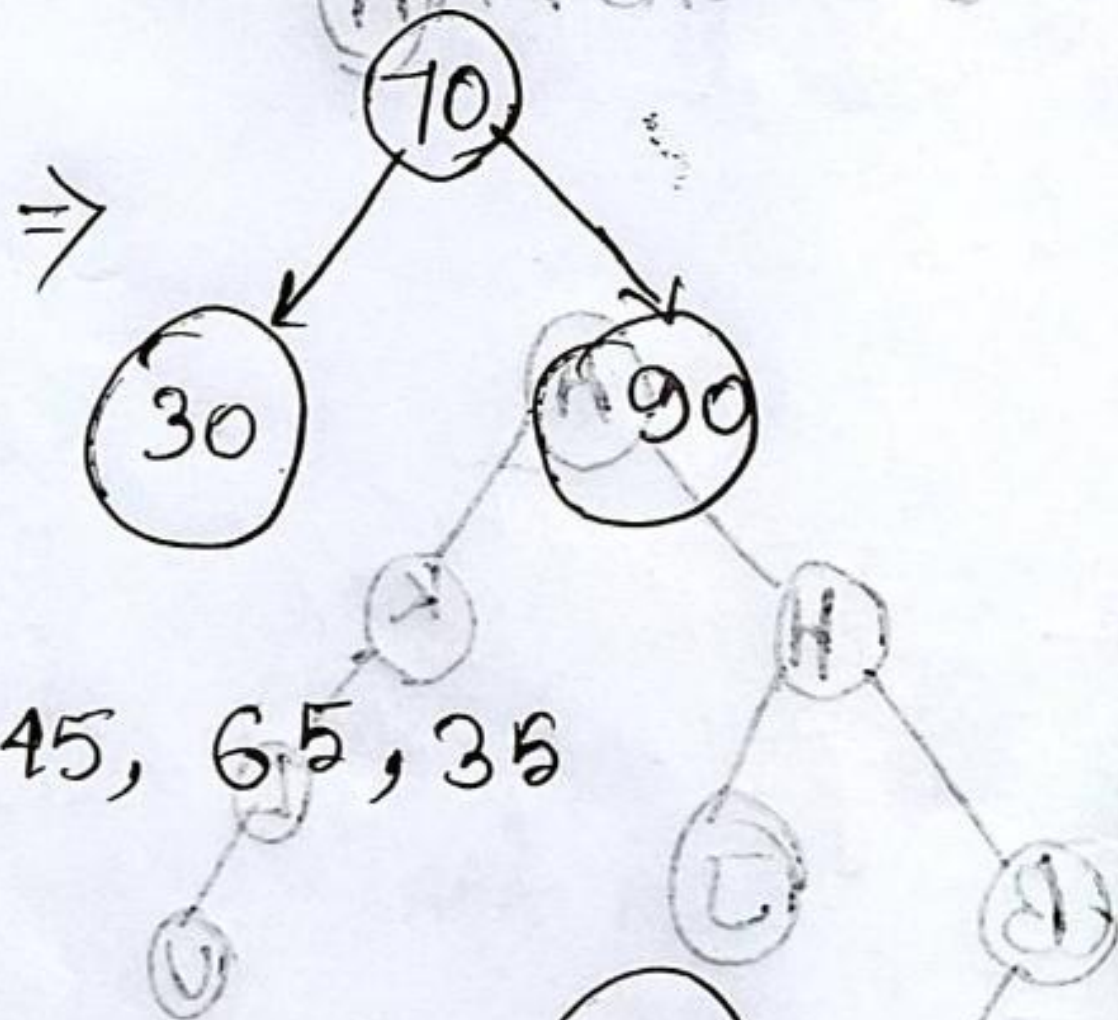
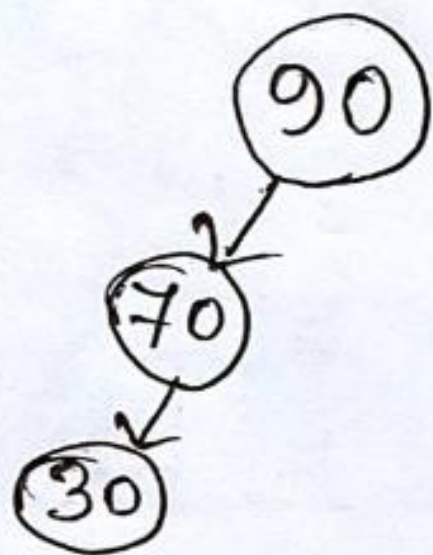


Name- Reshmi Ganguly  
 Section - A class Roll = 180  
 University Roll- 10900121209

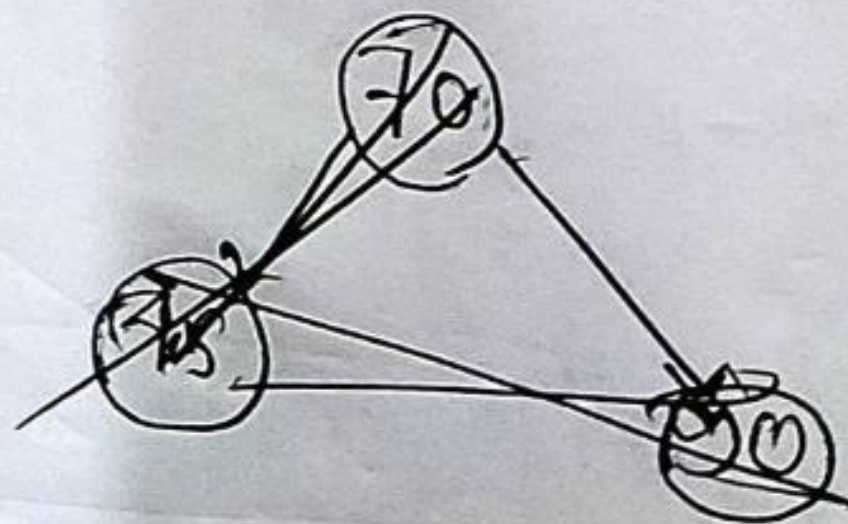
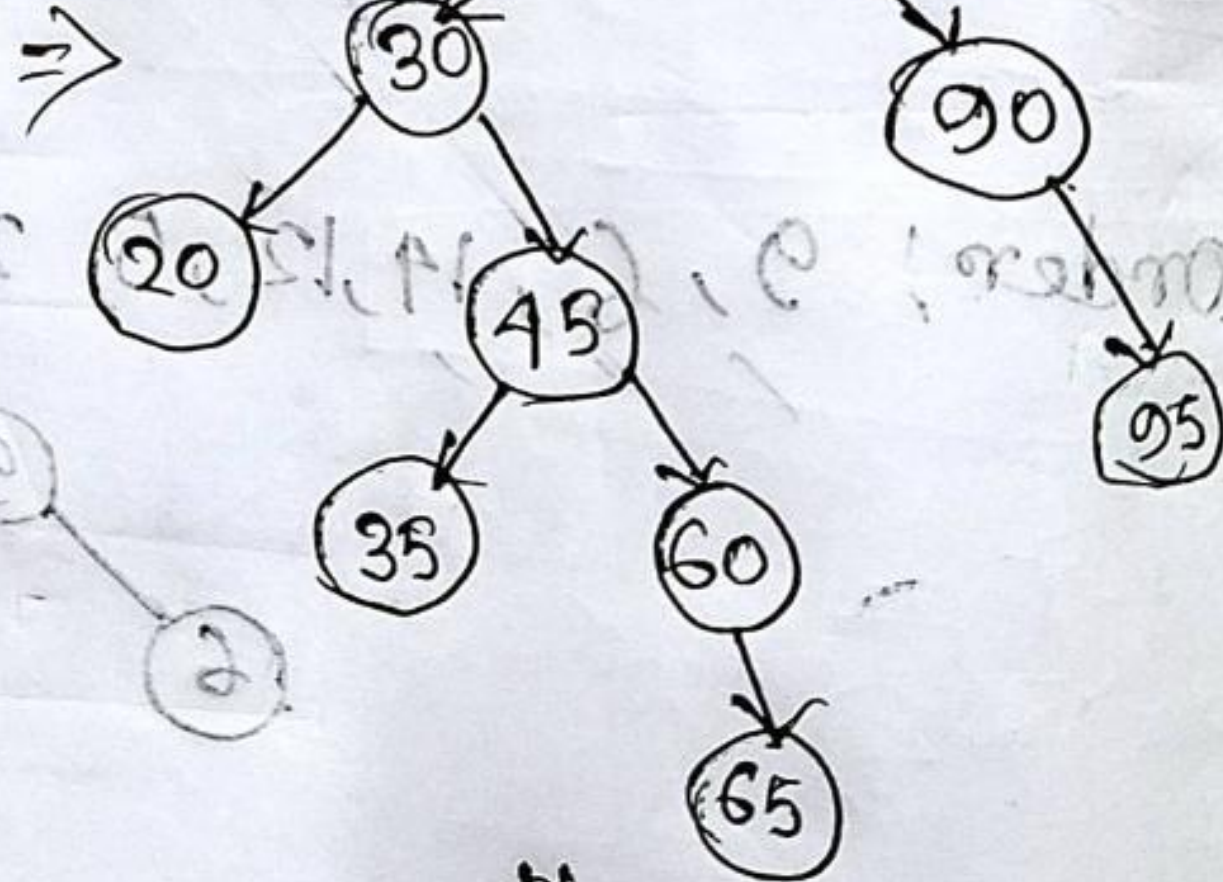
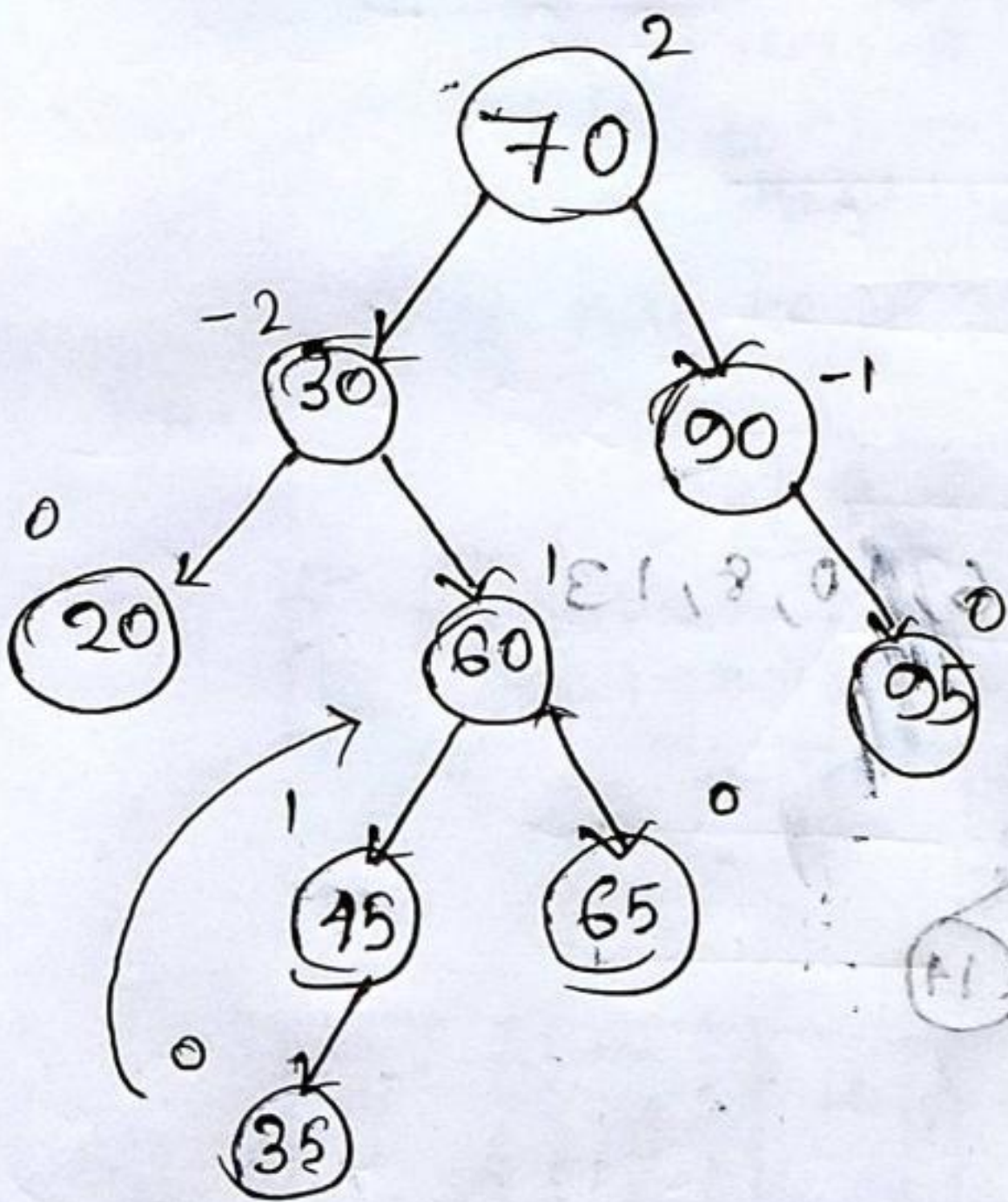
1) Construct AVL Tree using following element.

90, 70, 30, 20, 60, 95, 45, 65, 35, 40, 10, 15

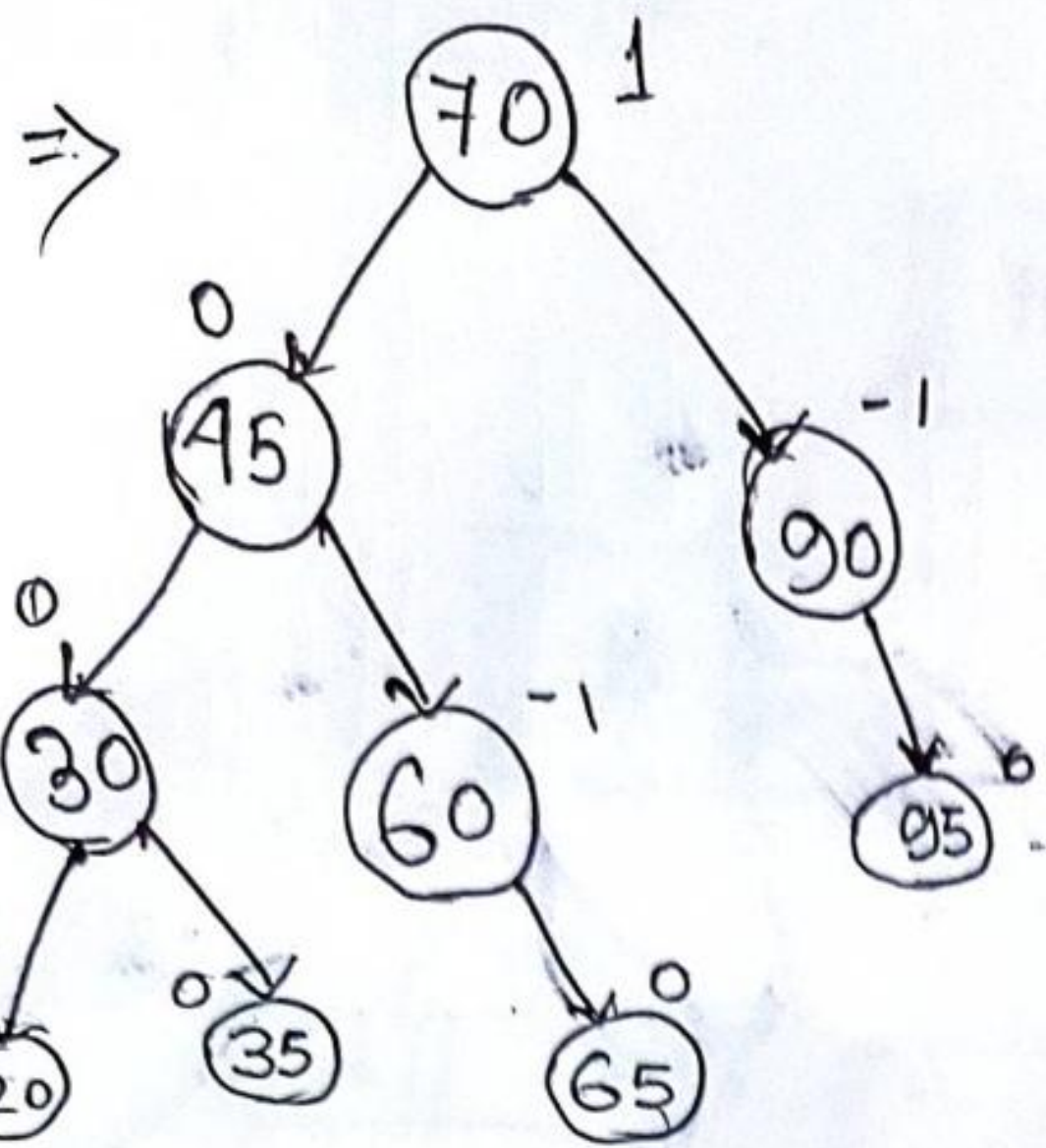
i) Insert 90, 70, 30



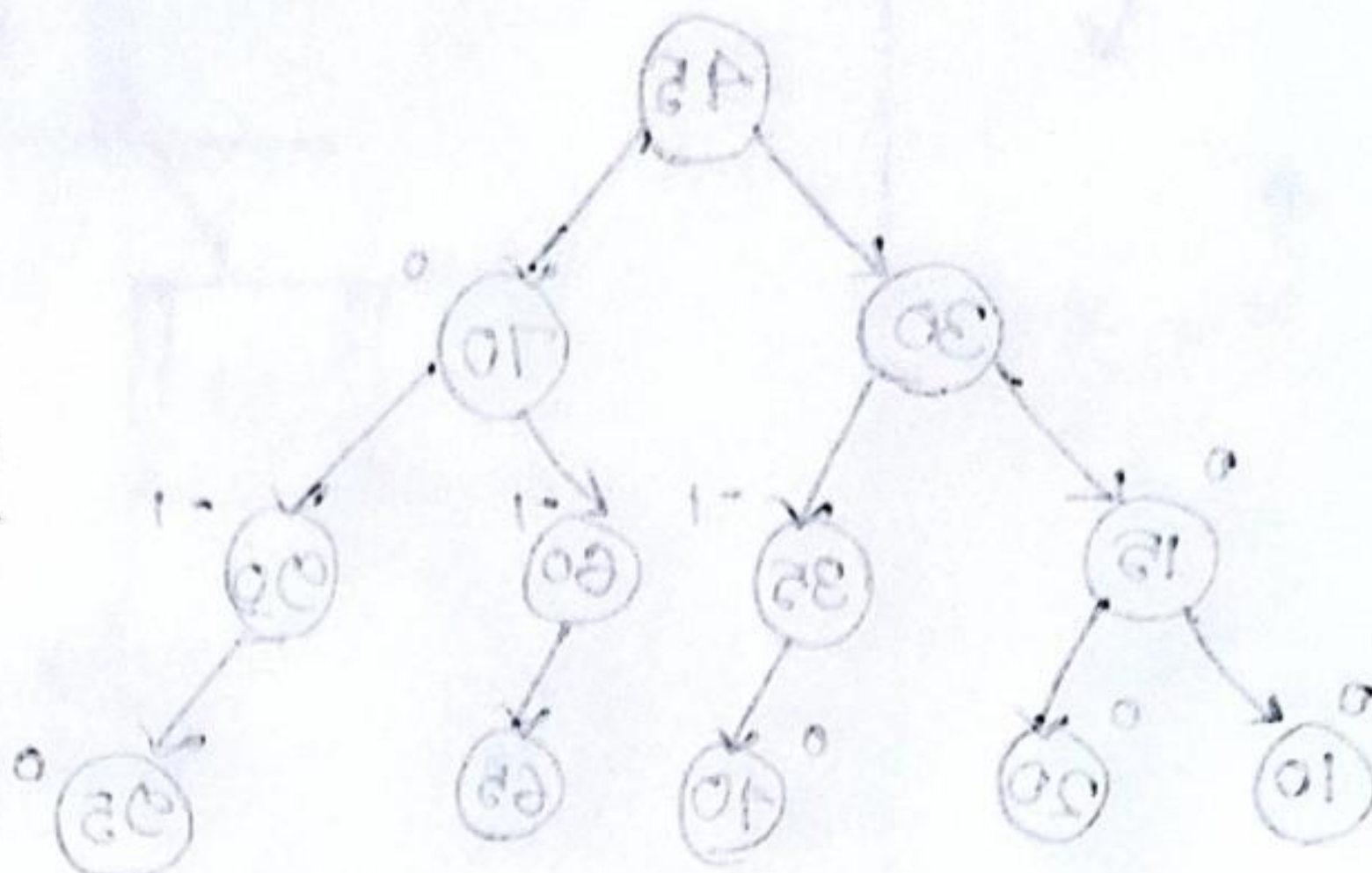
ii) Insert 20, 60, 95, 45, 65, 35



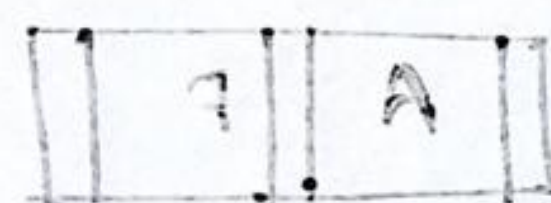
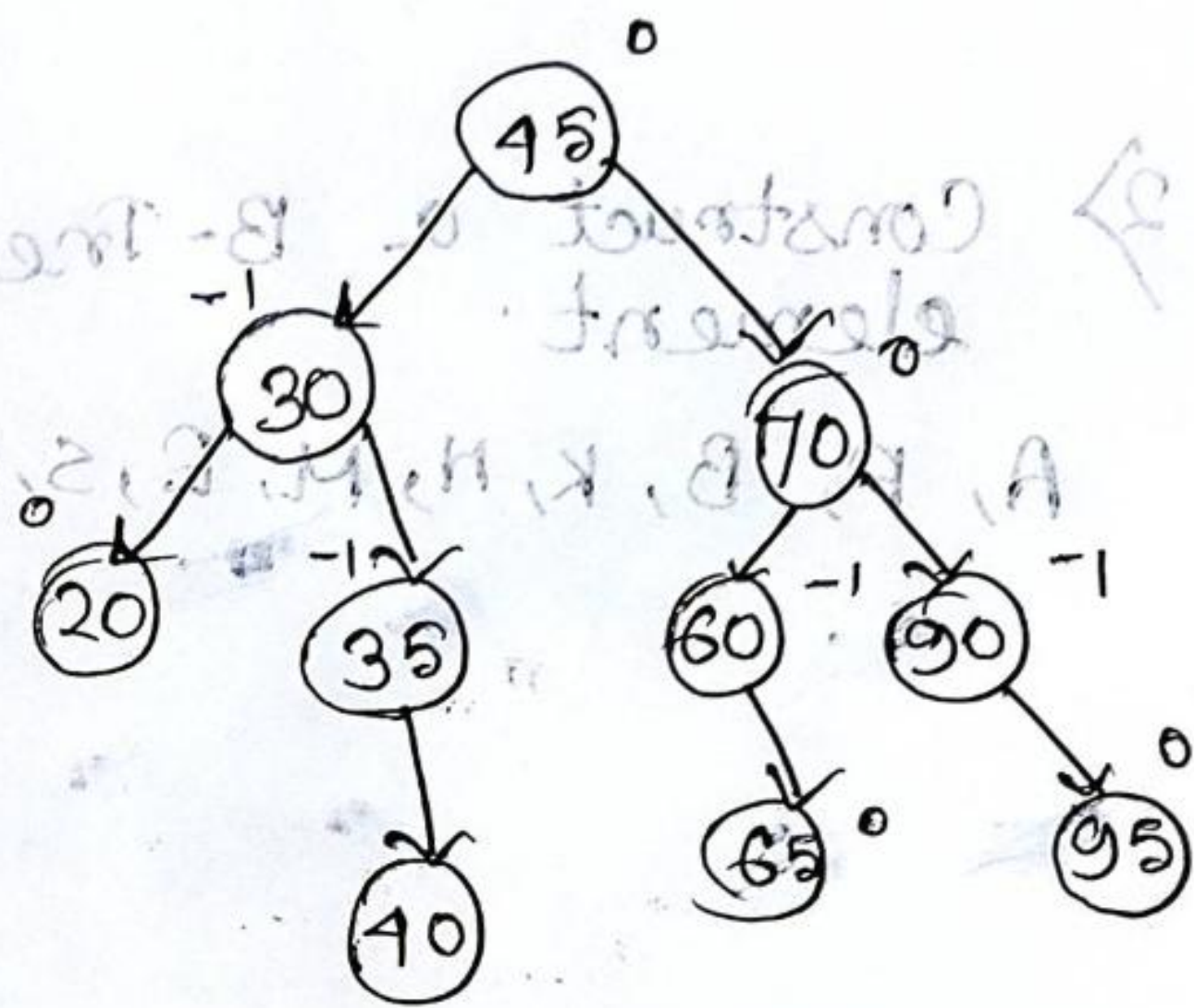
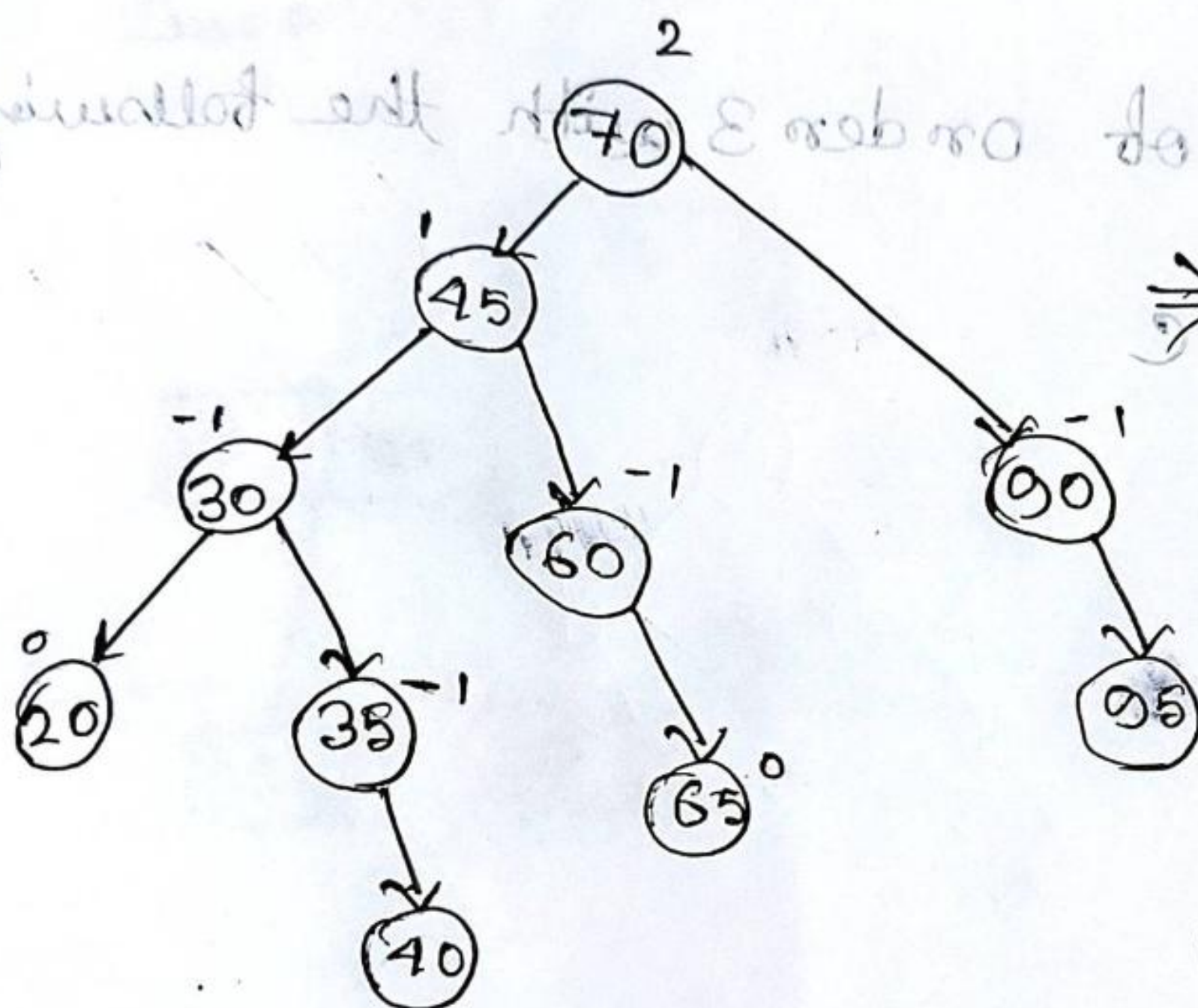




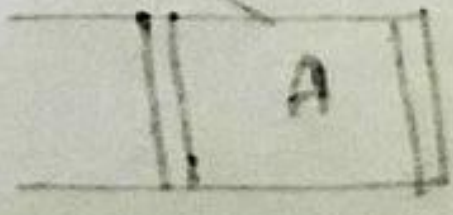
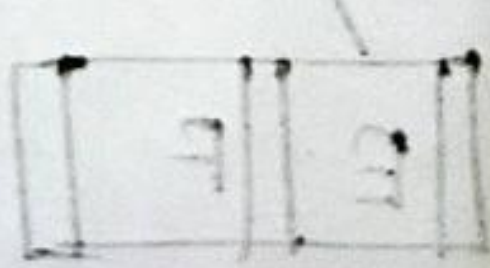
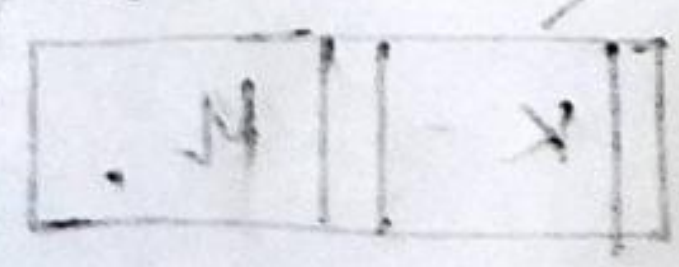
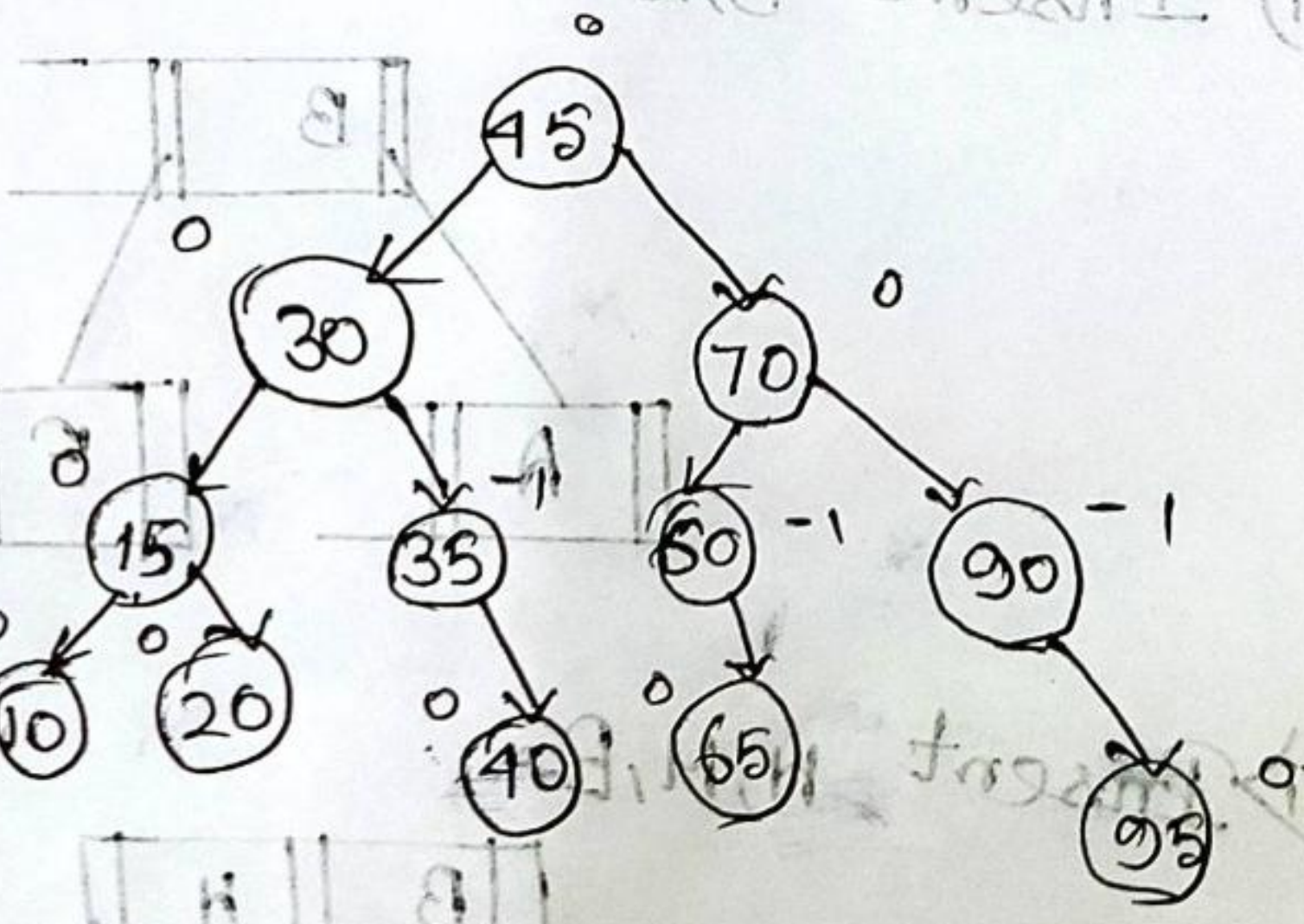
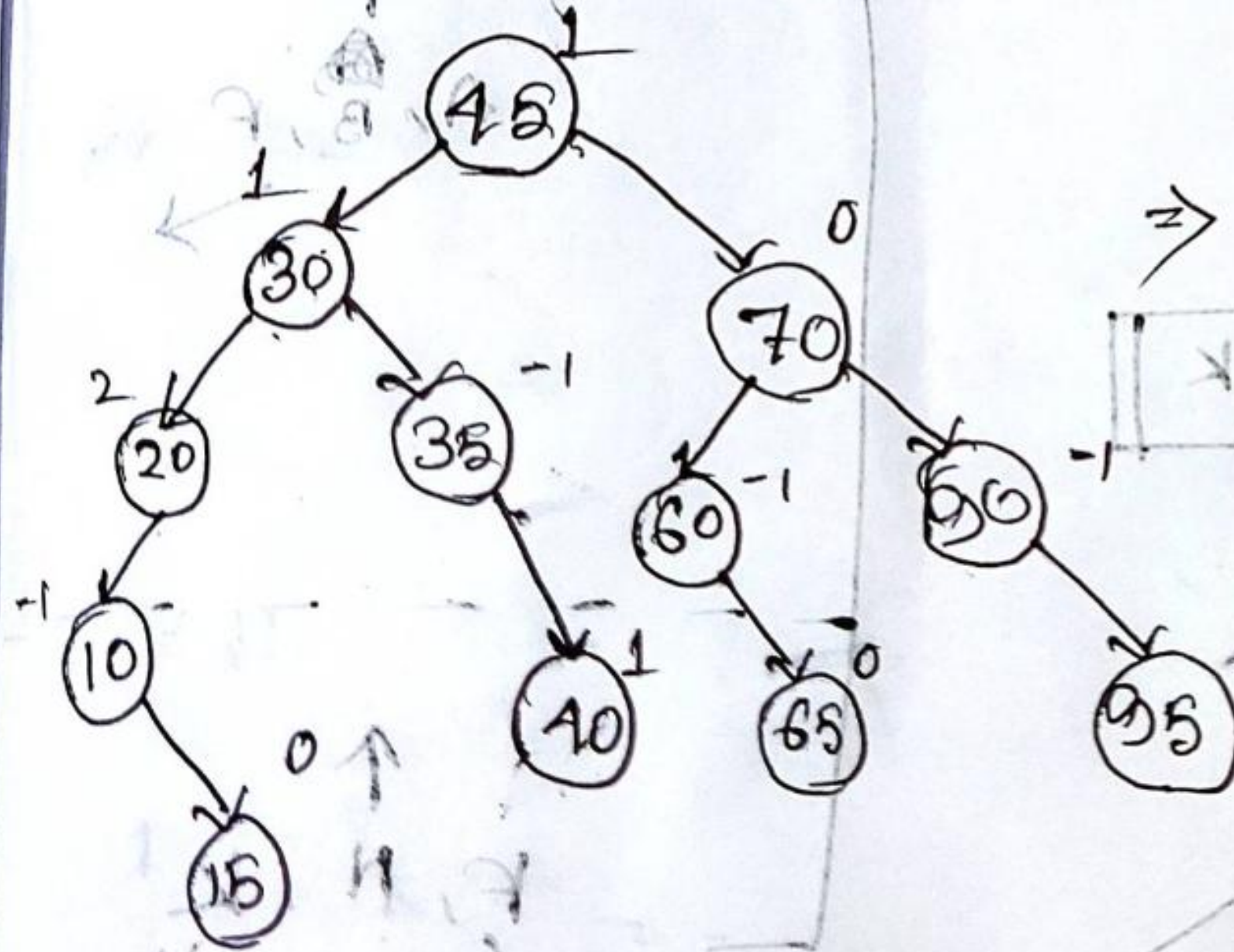
AVL tree



iii) Insert 40 :-

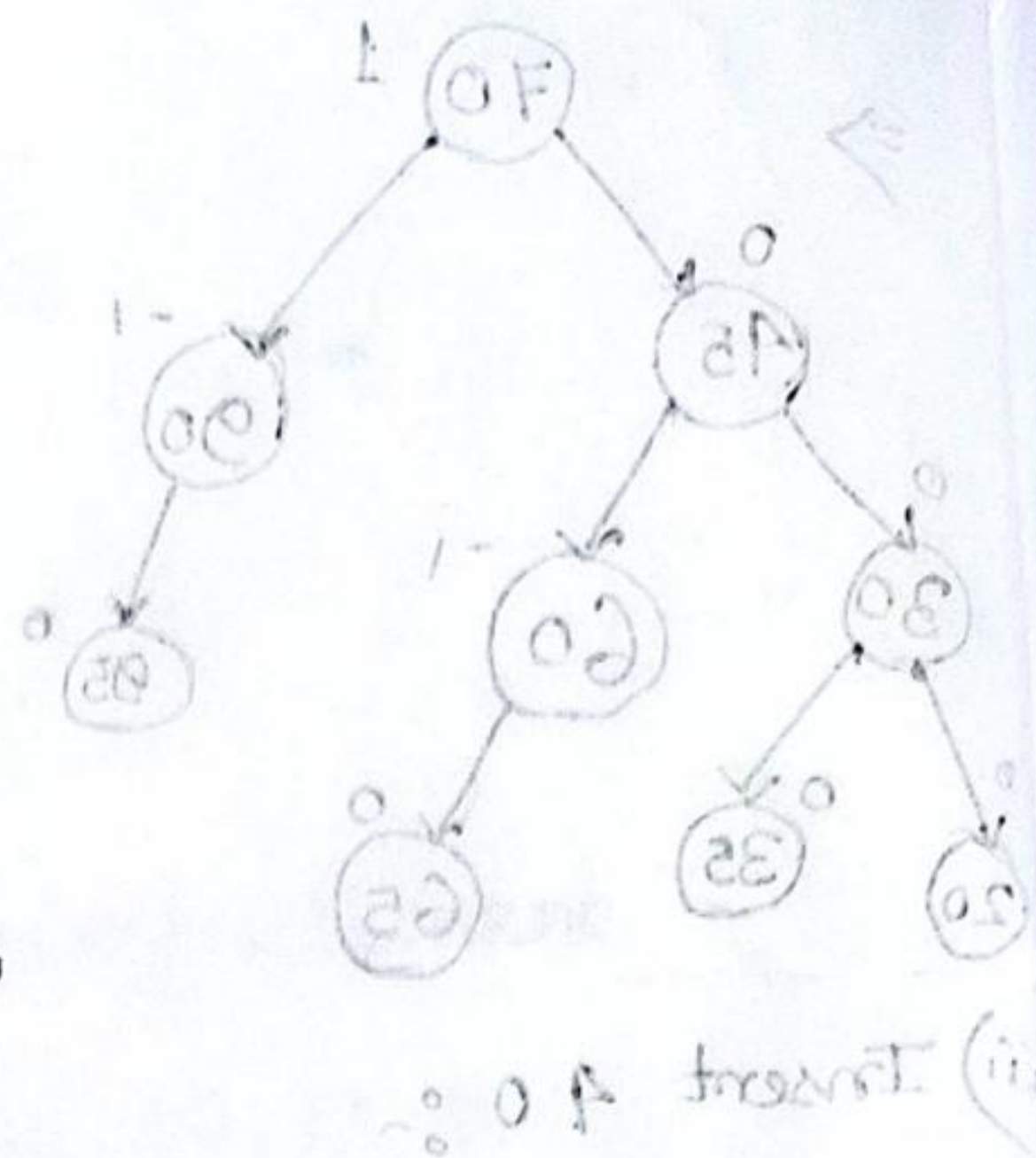
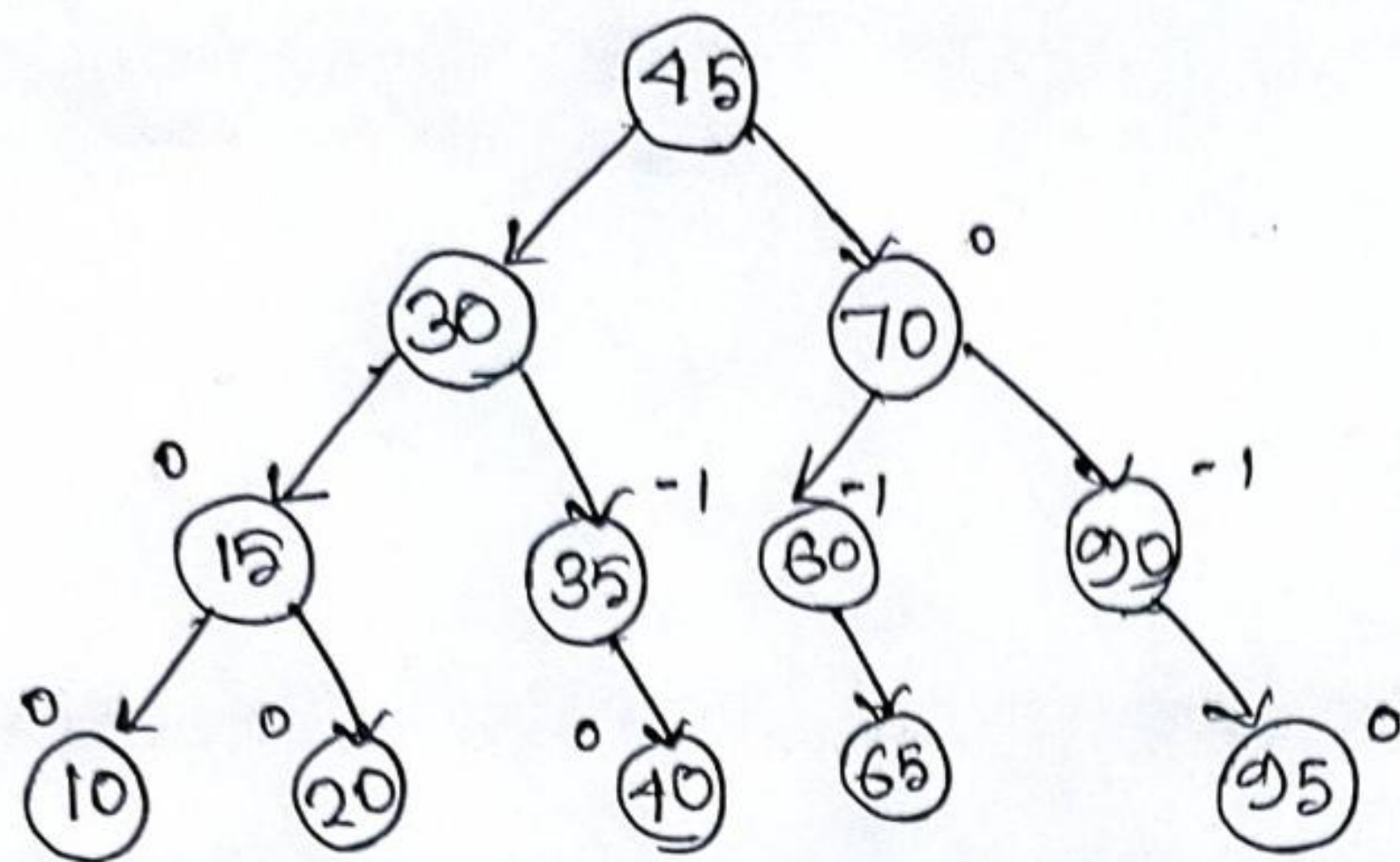


iv) Insert 10, 15 :-





∴ Find AVL Tree:



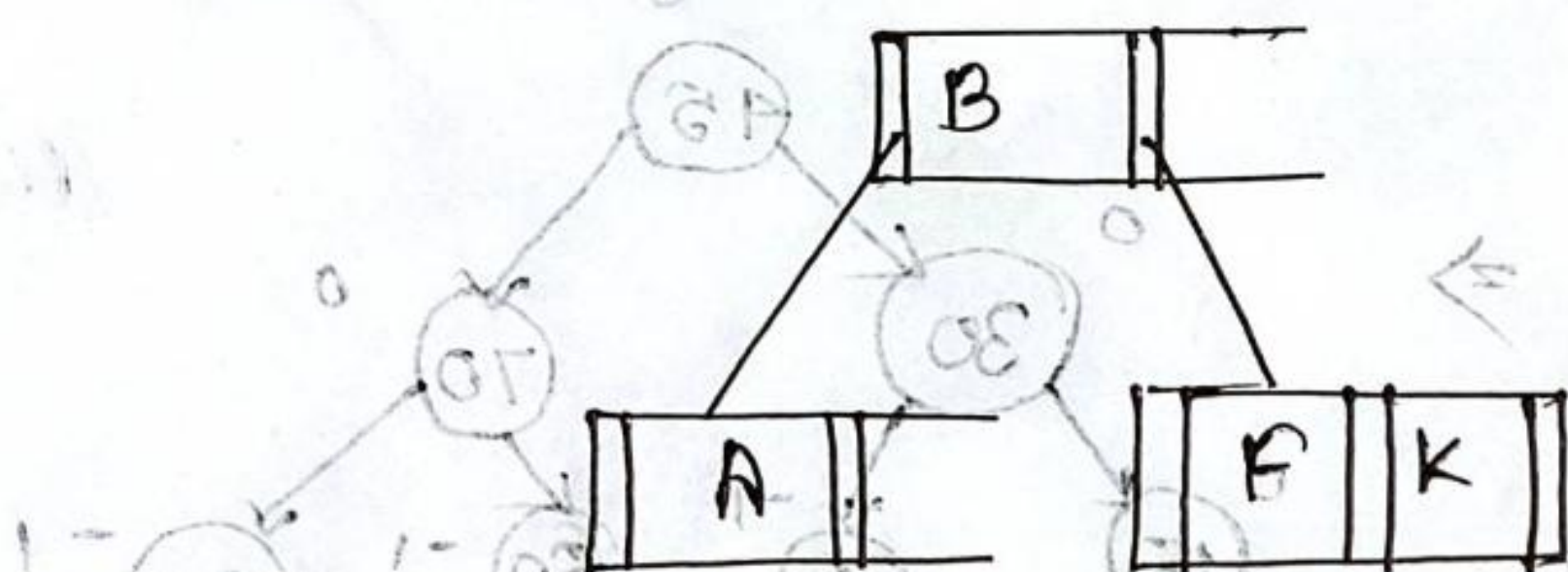
2) Construct a B-Tree of order 3 with the following element.

A, F, B, K, H, M, E, S, R, C

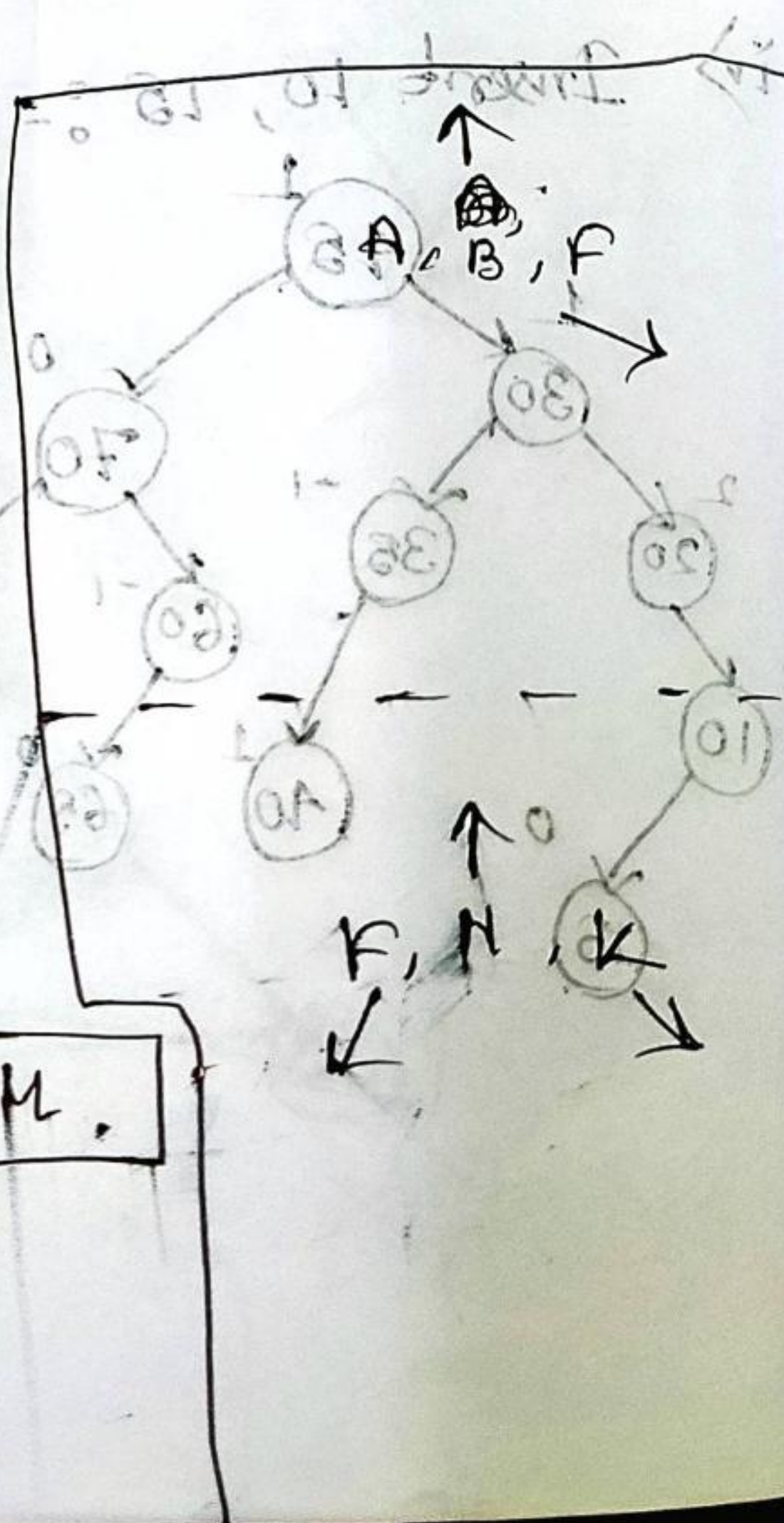
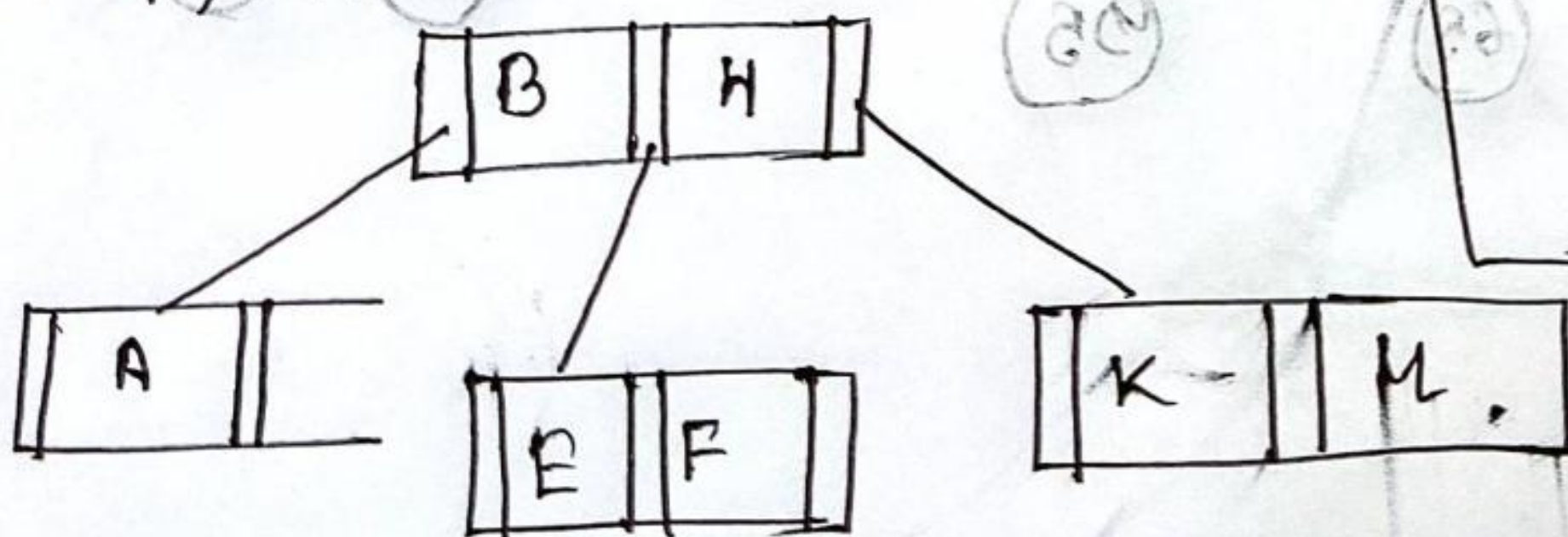
i) Insert A, F



ii) Insert B, K

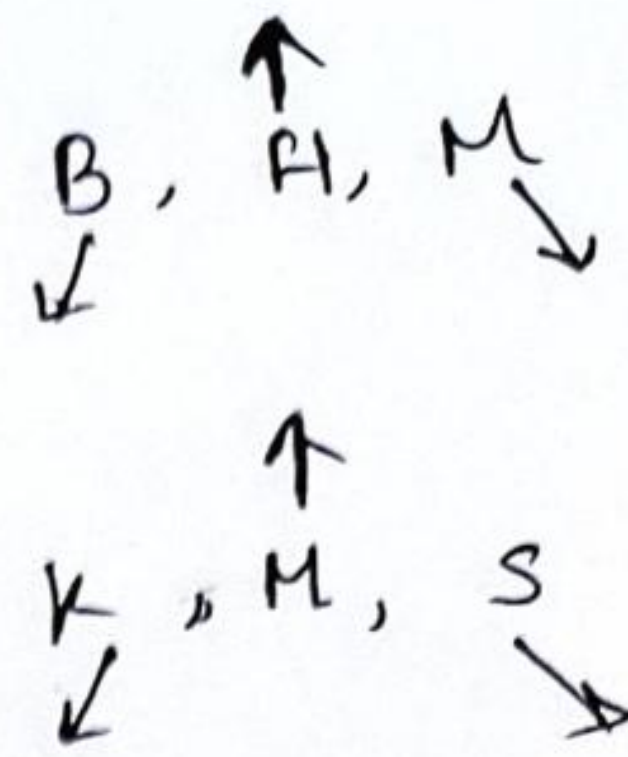
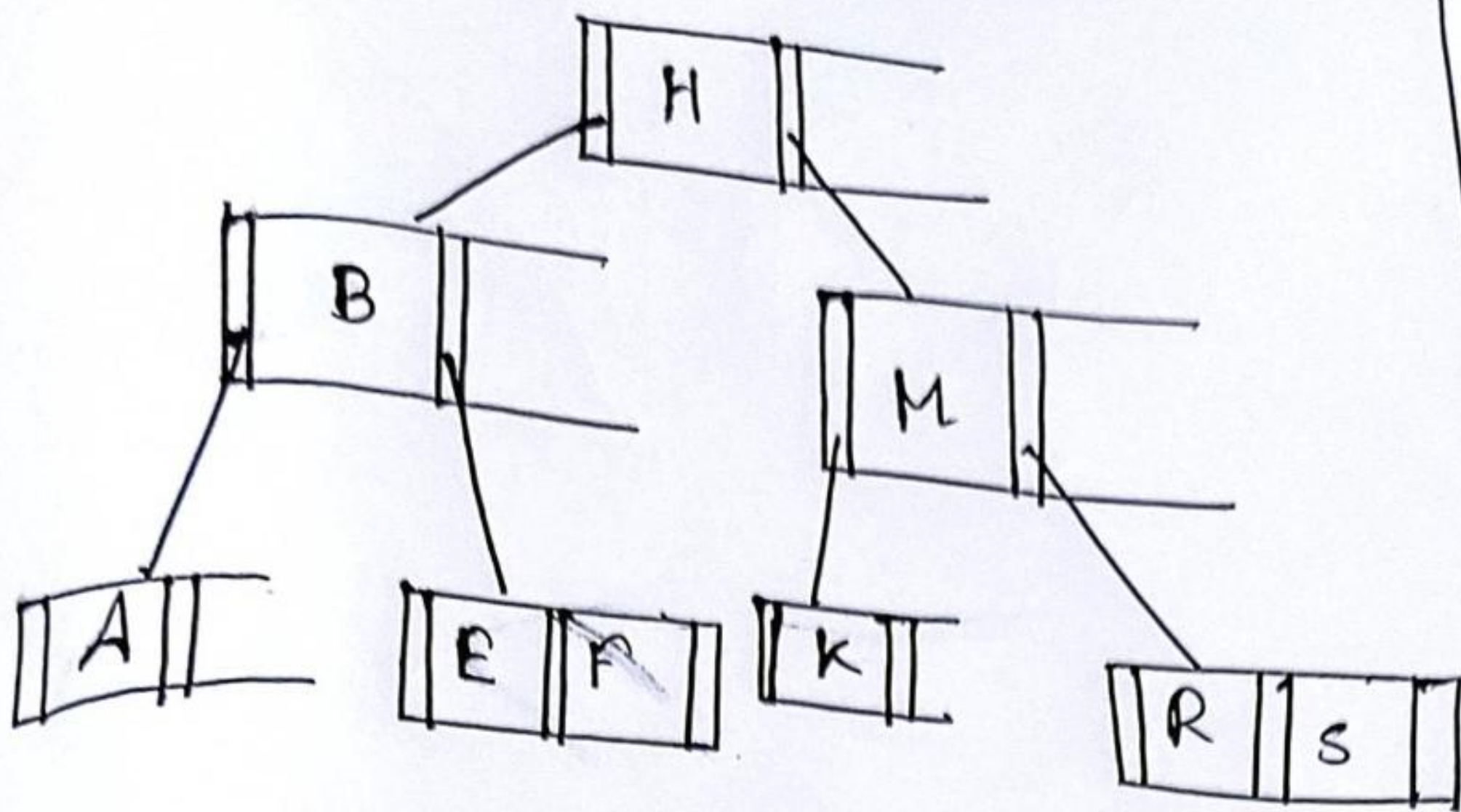


iii) Insert H, M, E





⇒ Insert S, R :



⇒ Insert C :

