Angel Tapia

Insert the following numbers into a heap: 10, 14, 3, 6, 12, 13, 7, 4, 1, 2

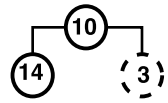
1) Insert: 10

root

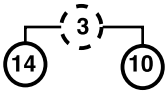
2) Insert: 14

14 < 10 = false

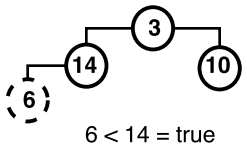
3) Insert: 3



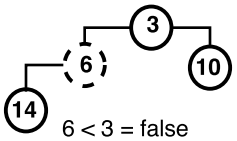
3 < 10 = true



4) Insert: 6

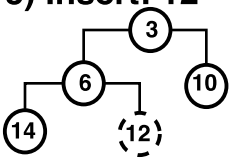


6 < 14 = true



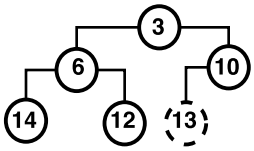
6 < 3 = false

5) Insert: 12



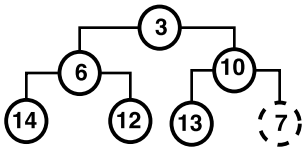
12 < 6 = false

6) Insert: 13

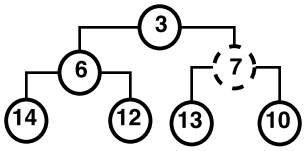


13 < 10 = false

7) Insert: 7

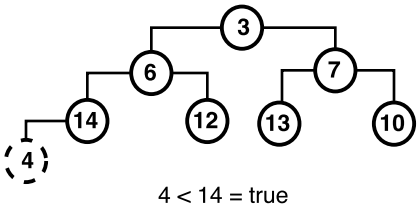


7 < 10 = true

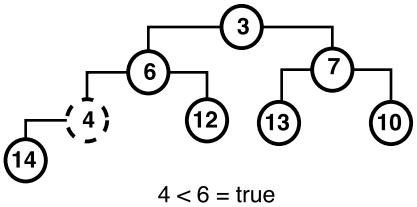


7 < 3 = false

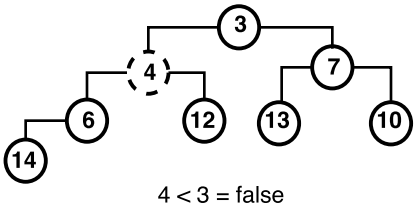
8) Insert: 4



4 < 14 = true

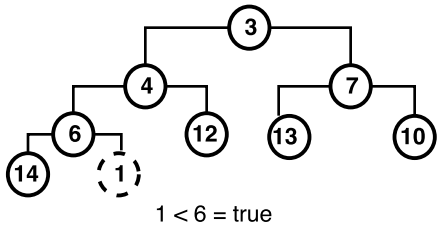


4 < 6 = true

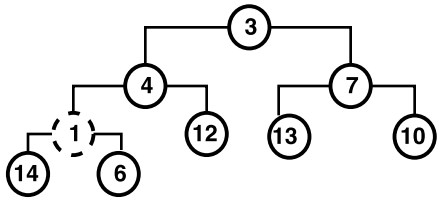


4 < 3 = false

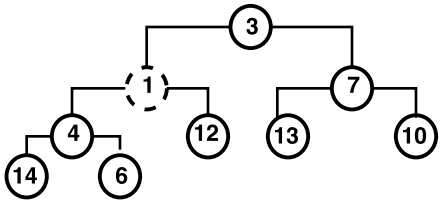
9) Insert: 1



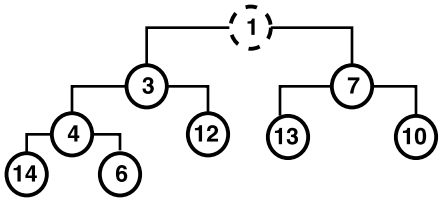
1 < 6 = true



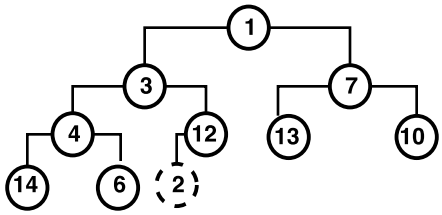
1 < 4 = true



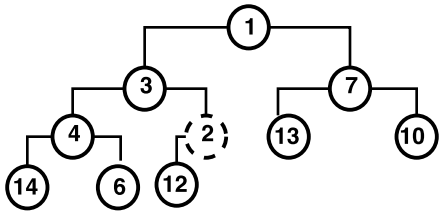
1 < 3 = true



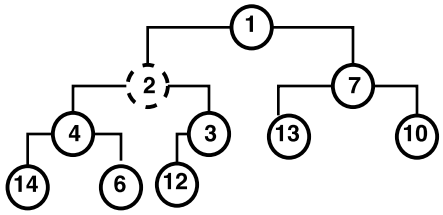
10) Insert: 2



2 < 12 = true



2 < 3 = true



2 < 1= false

Result : 1, 2, 7, 4, 3, 13, 10, 14, 6, 12