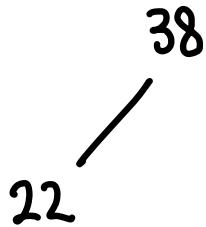


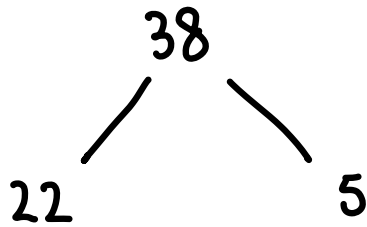
Step 0: Start with 22

22

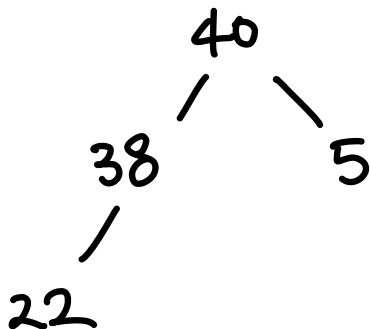
Step 1: Insert 38



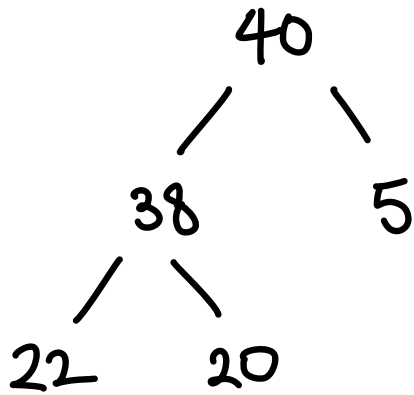
Step 2: Insert 5



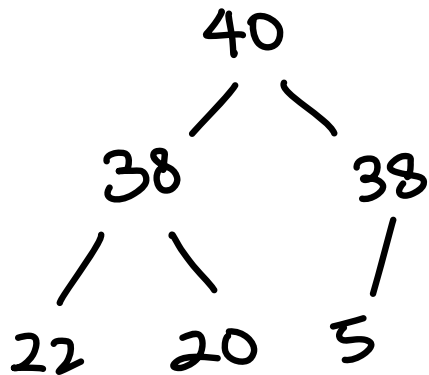
Step 3: Insert 40



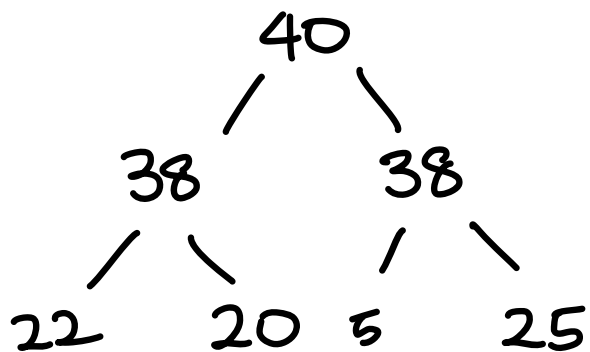
Step 4: Insert 20



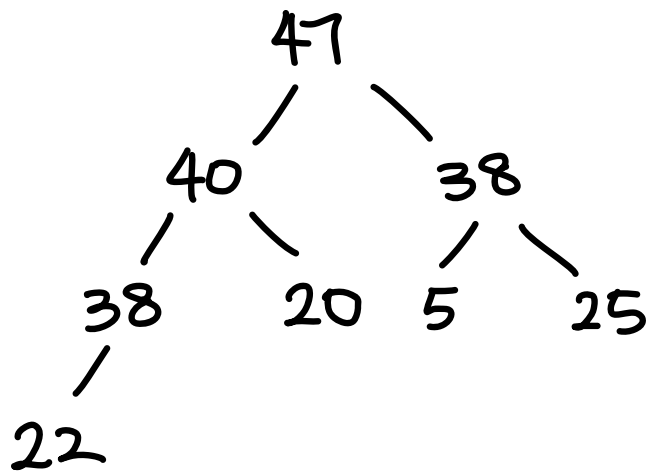
Step 5: Insert 38



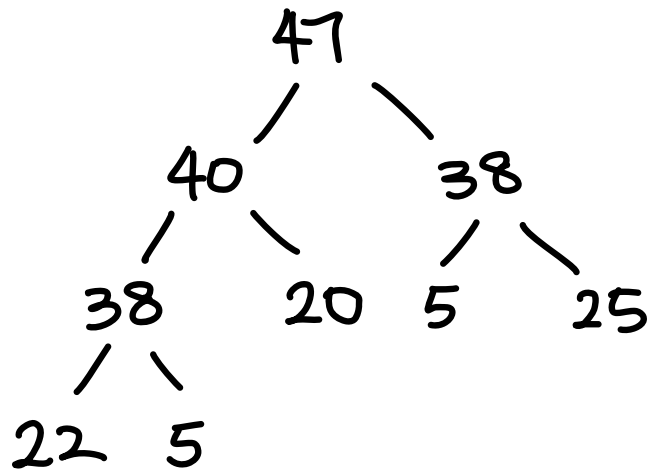
Step 6: Insert 25



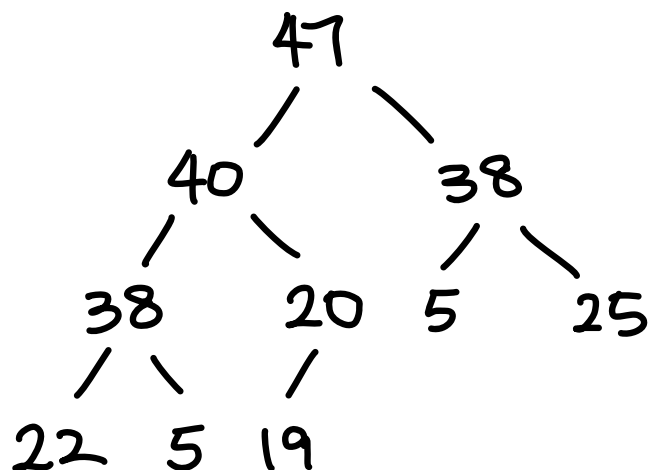
Step 7: Insert 47



Step 8: Insert 5



Step 9: Insert 19



Heap array: [47, 40, 38, 38, 20, 5, 25, 22, 5, 19]