

B190839CS

ROSE S JOSE

B TREES

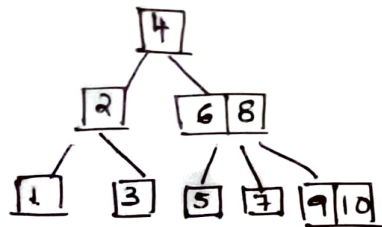
```
rose@rose-ubuntu: ~/Desktop
rose@rose-ubuntu:~/Desktop$ g++ -o A B_Tree.cpp
rose@rose-ubuntu:~/Desktop$ ./A
Order: 4
l 1
l 2
l 3
l 4
l 5
l 6
l 7
l 8
l 9
l 10
p
1 2 3 4 5 6 7 8 9 10
s 9
TRUE
s 10
FALSE
e
rose@rose-ubuntu:~/Desktop$
```

```
rose@rose-ubuntu:~/Desktop
rose@rose-ubuntu:~/Desktop$ g++ -o A B_Tree.cpp
rose@rose-ubuntu:~/Desktop$ ./A
Order: 4
l 008
l 567
l 343
l 456
l 678
l 432
l 457
l 890
l 489
l 123
l 234
l 345
l 456
l 789
l 690
p
8 123 234 343 345 432 456 457 489 567 600 678 789 890
s 600
TRUE
s 601
FALSE
e
rose@rose-ubuntu:~/Desktop$
```

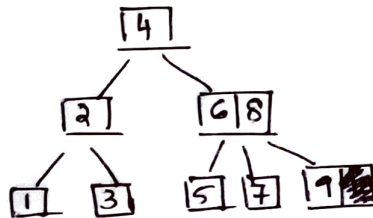
```
rose@rose-ubuntu: ~/Desktop
rose@rose-ubuntu:~/Desktop$ g++ -o A_B_Tree.cpp
rose@rose-ubuntu:~/Desktop$ ./A
Order: 4
l 100
l 200
l 300
l 400
l 500
l 600
l 700
l 800
l 900
l 1000
l 950
l 850
l 750
l 650
l 550
l 450
l 350
l 250
l 150
l 050
0
50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000
s 1000
TRUE
s 1009
FALSE
e
rose@rose-ubuntu:~/Desktop$
```

2 b) i) Insert

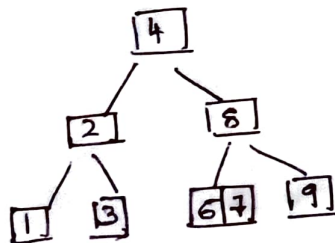
1 2 3 4 5 6 7 8 9 10



Delete 10

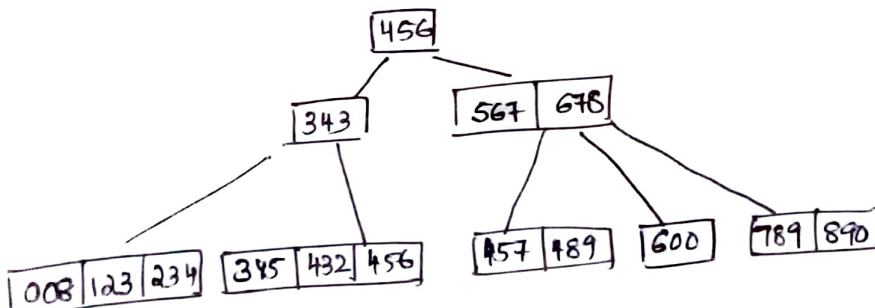


Delete 6

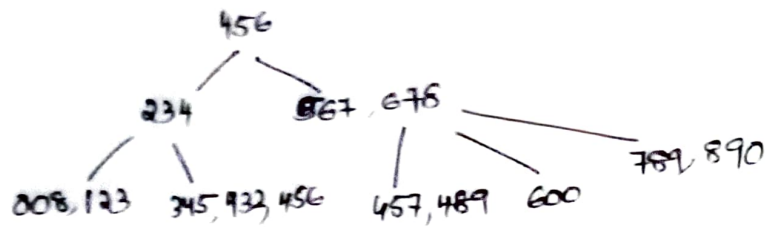


ii) Insert

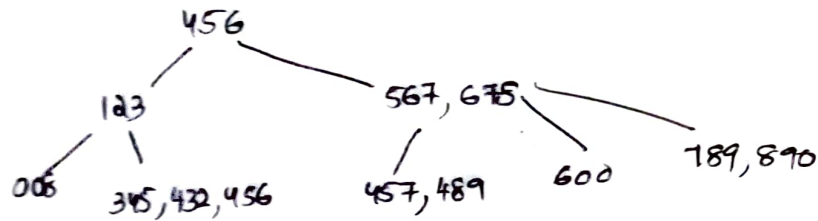
008 567 343 456 678 432 457 890 489 123 234 345 456
789 600



Delete 343

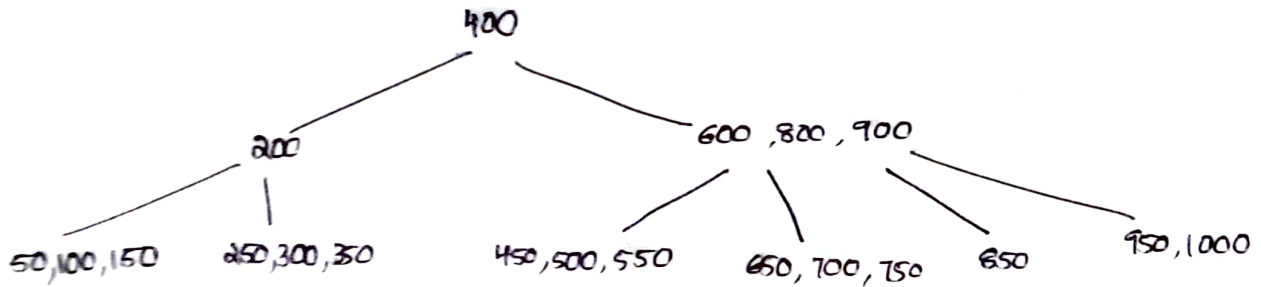


Delete 234



iii) Insert

100 200 300 400 500 600 700 800 900 1000 950 850 750 650 550 450
350 250 150 050



Delete 850

