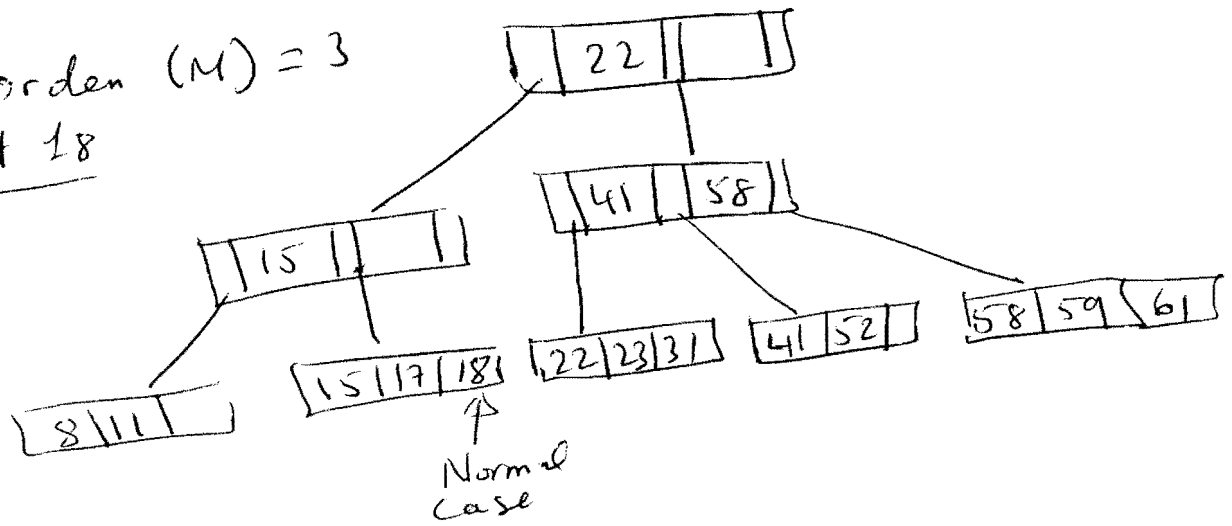
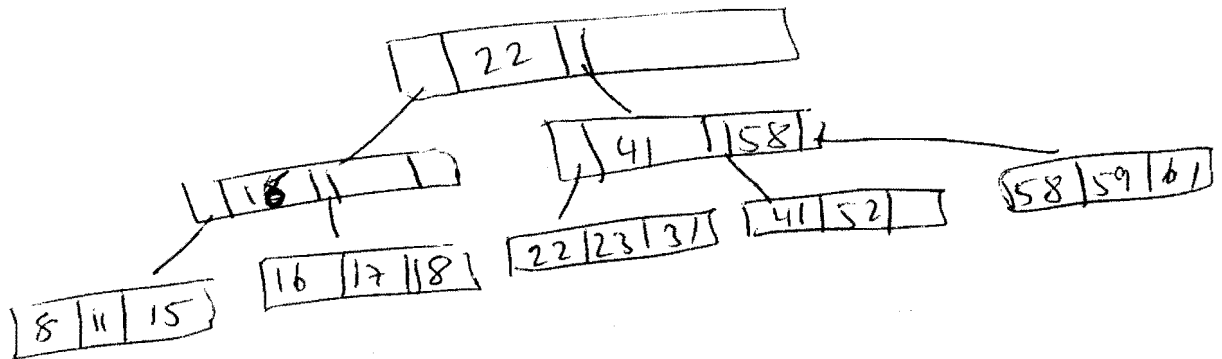
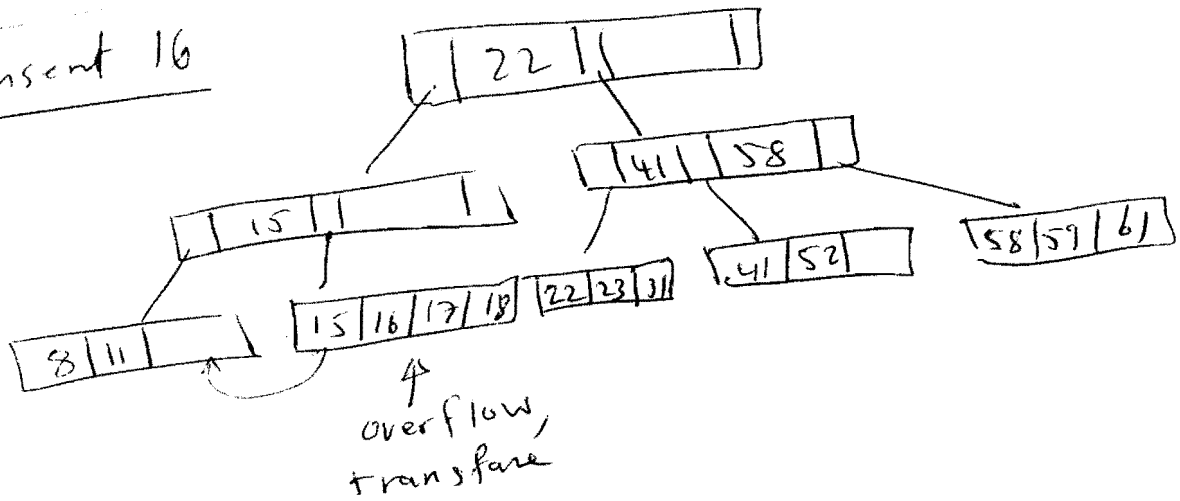


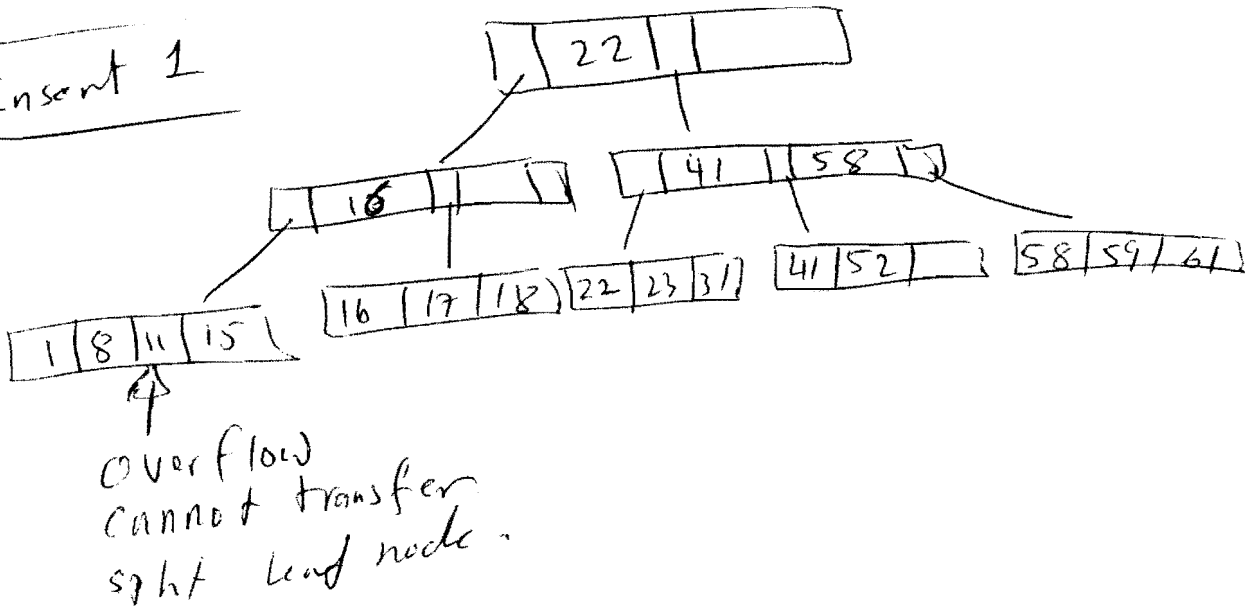
Order (M) = 3
Insert 18

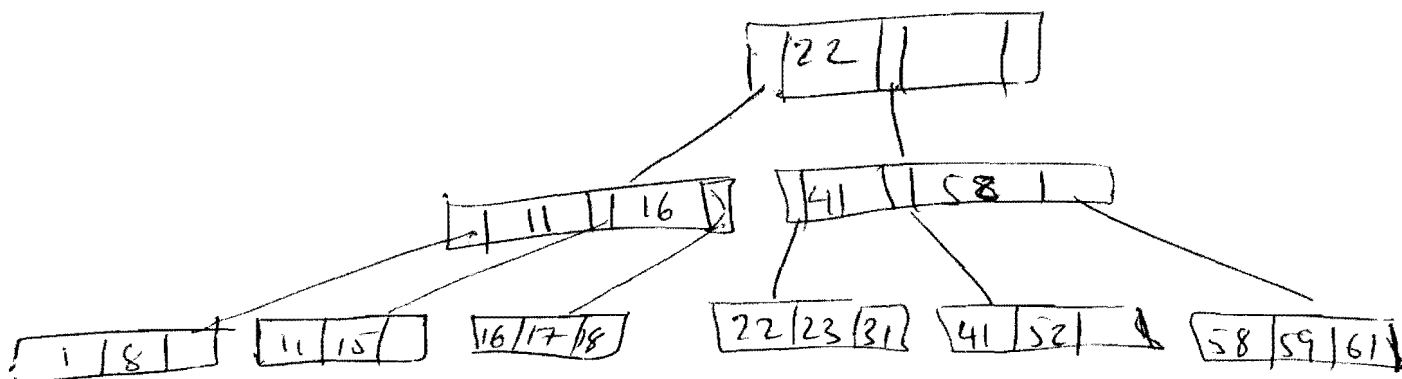


Insert 16

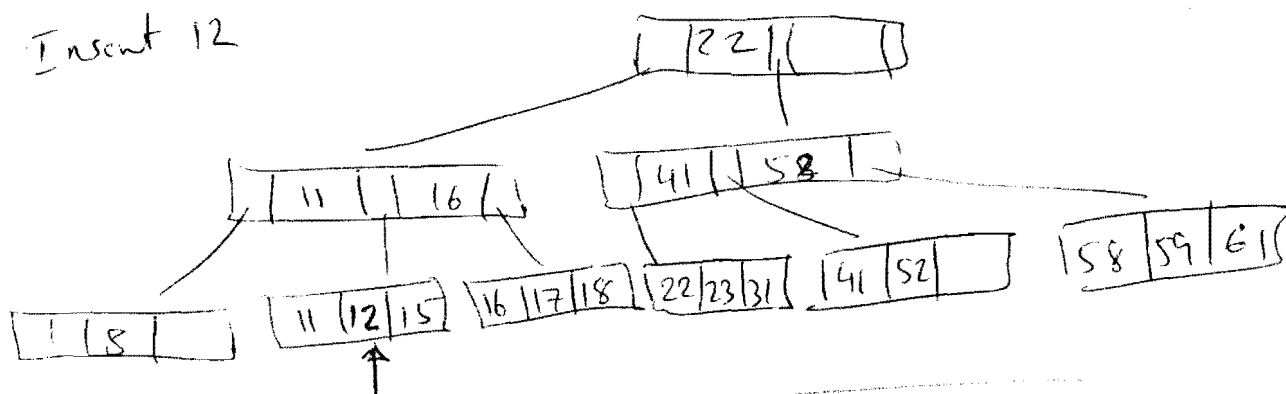


Insert 1

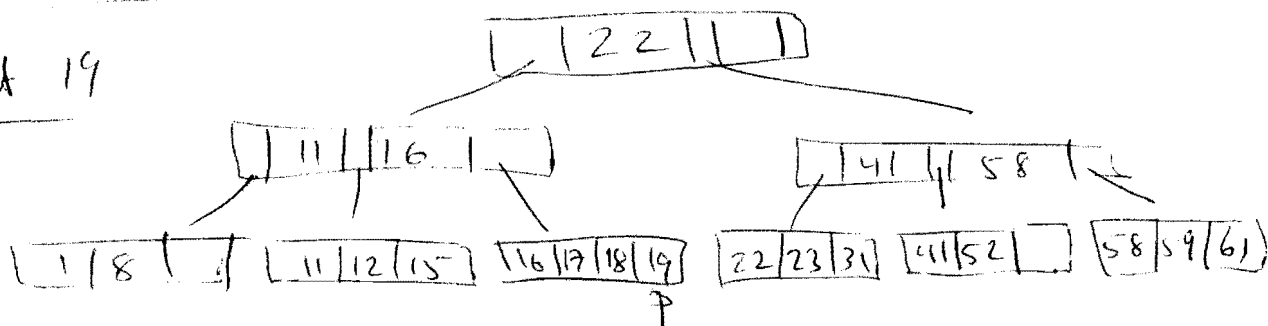




Insert 12

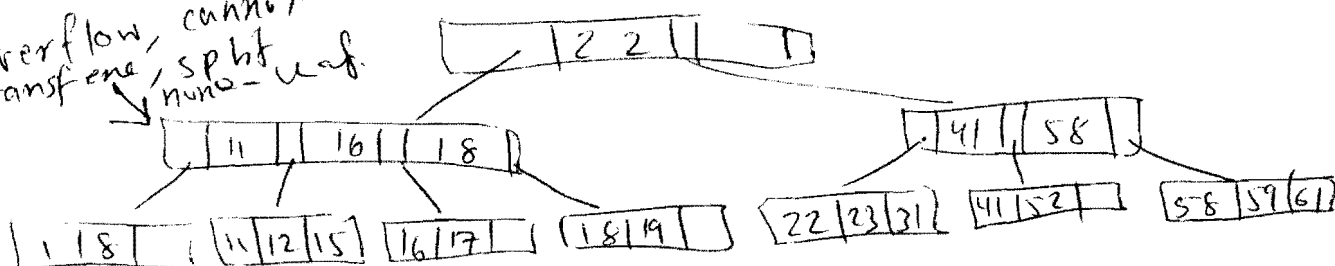


Insert 19

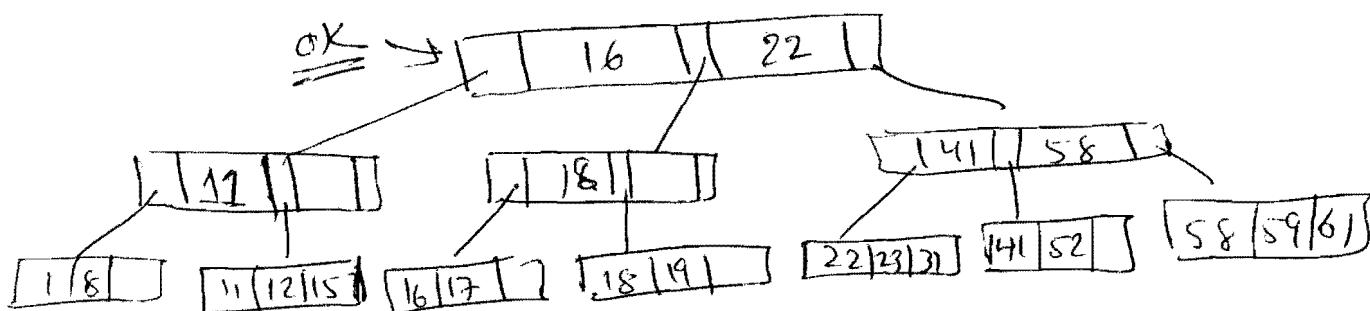


overflow
cannot transference
split.

overflow, cannot
transference
split
merge - leaf.

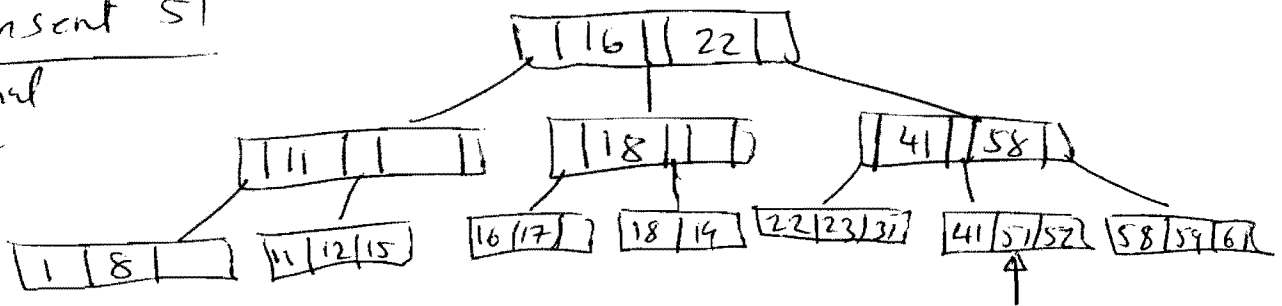


OK →

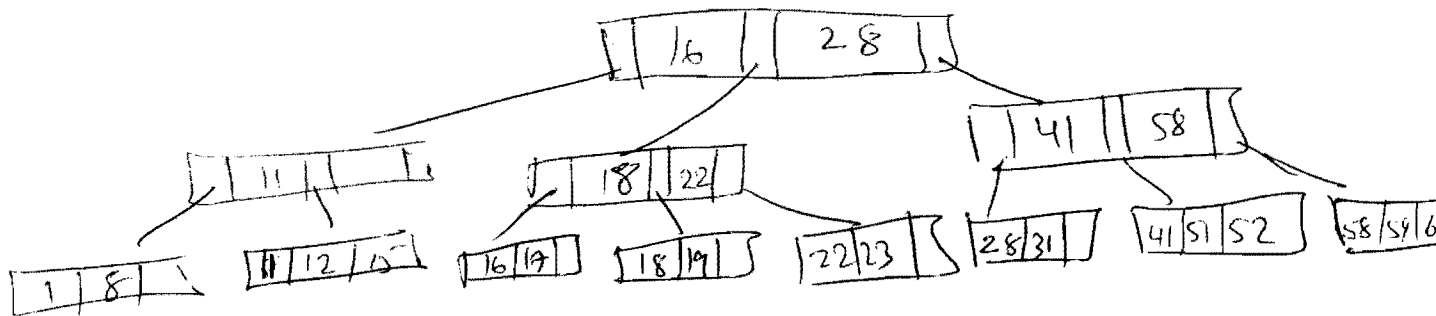
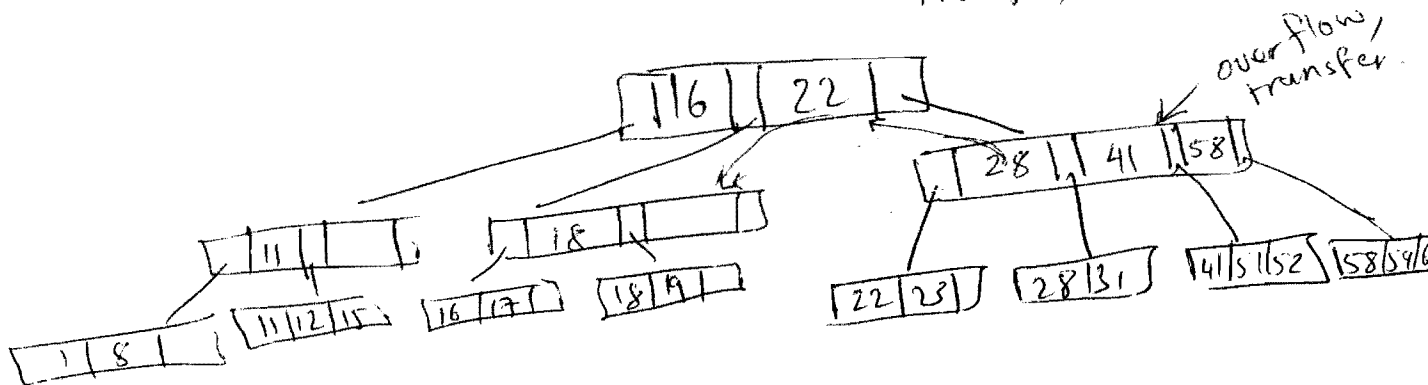
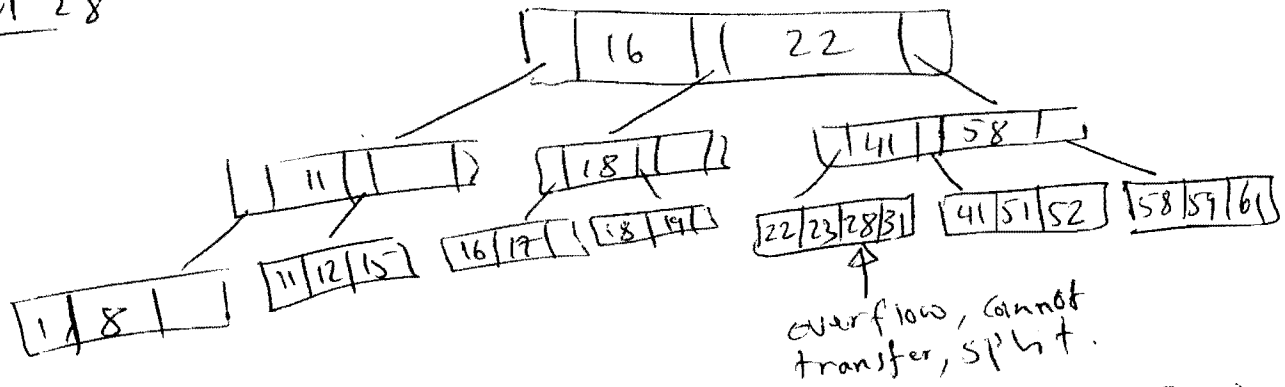


Insert 51

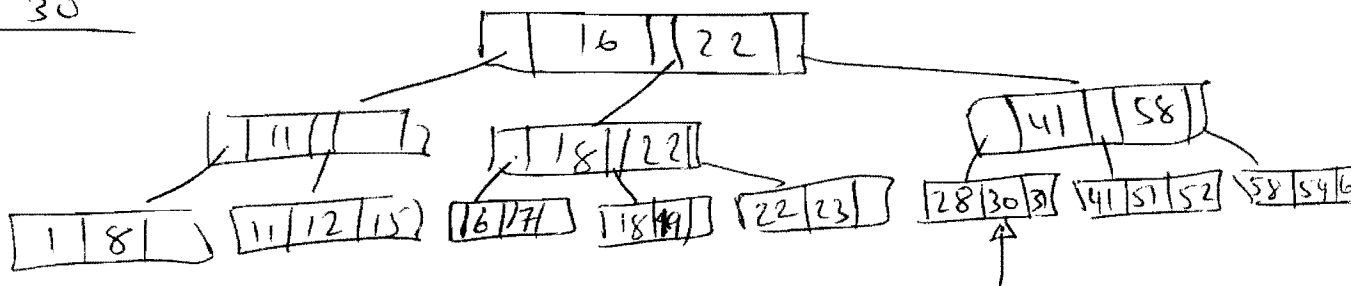
Normal Case

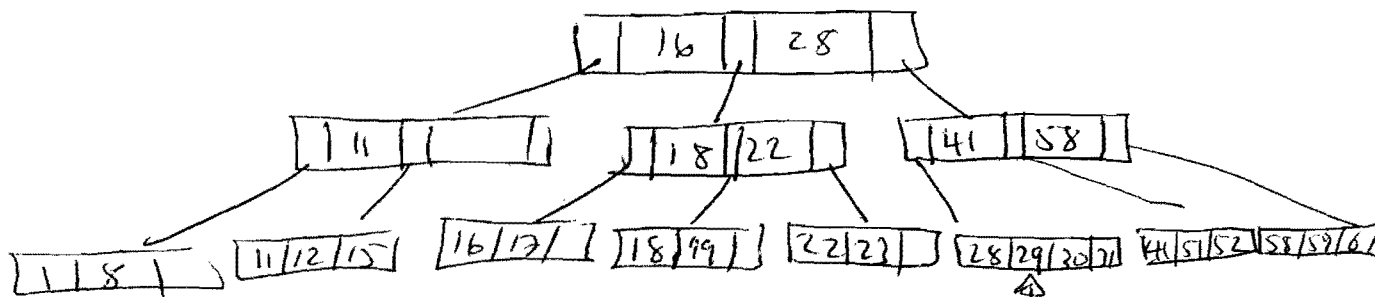


Insert 28

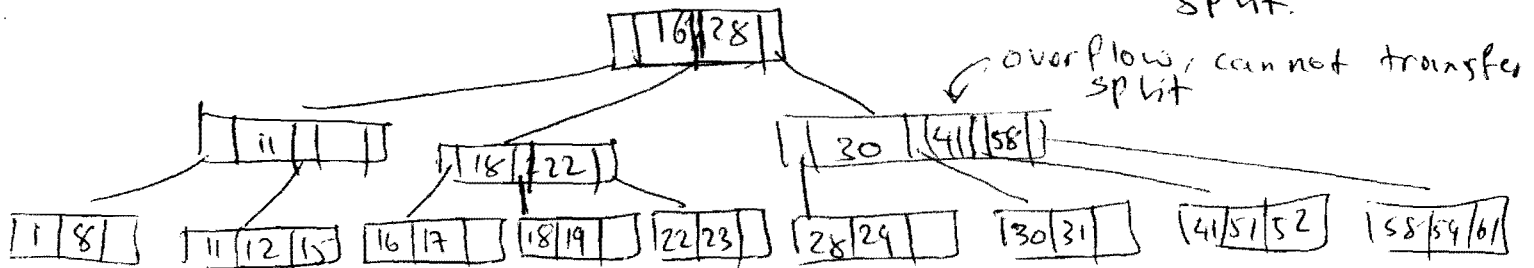


Insert 30



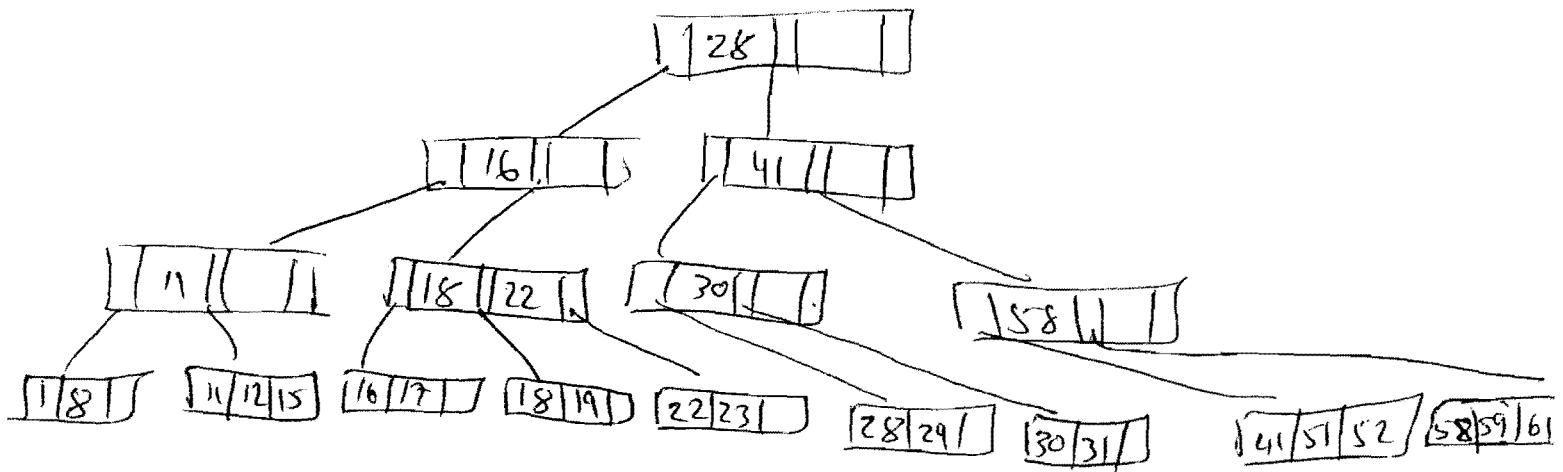
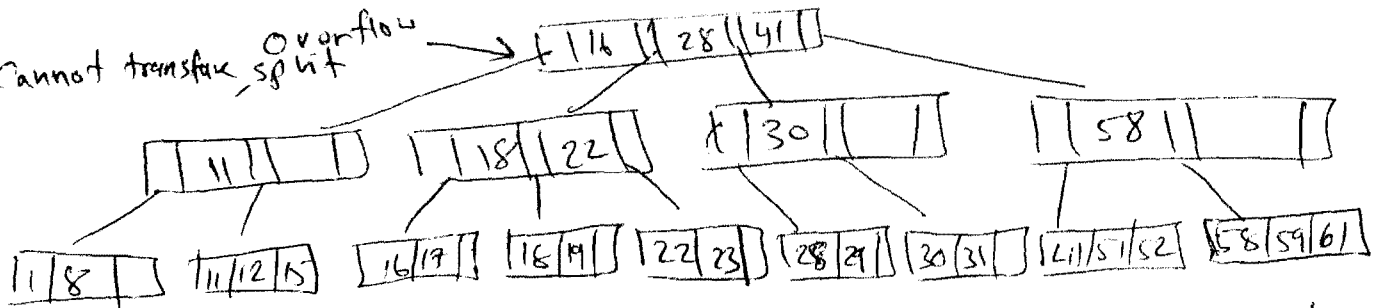


overflow
cannot transfer
split.

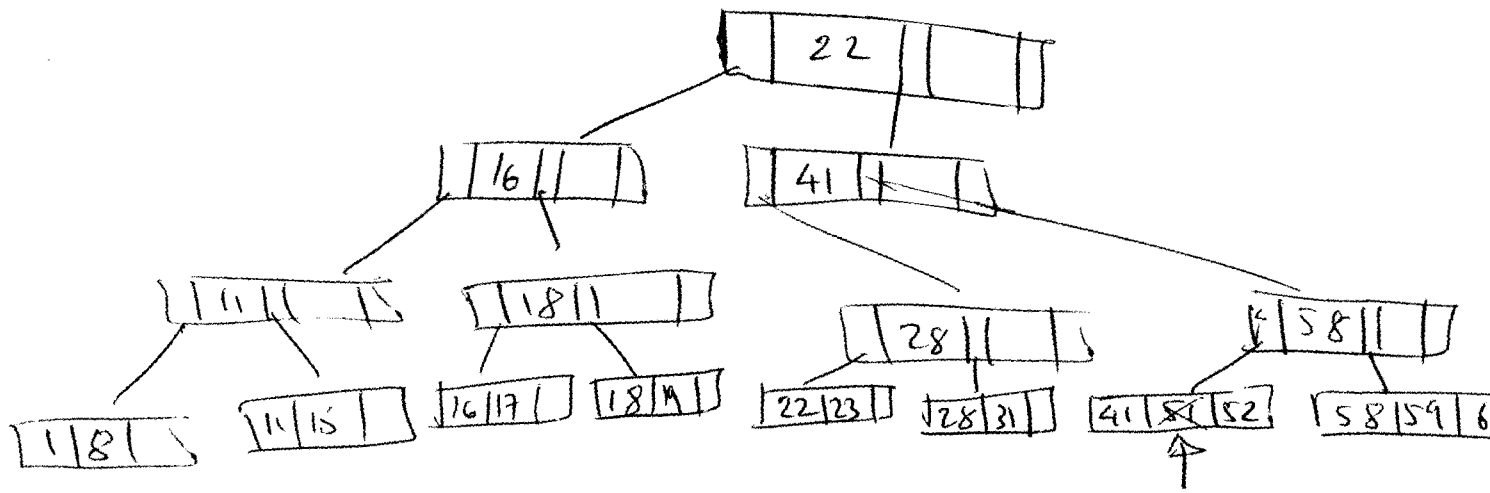


overflow, cannot transfer
split

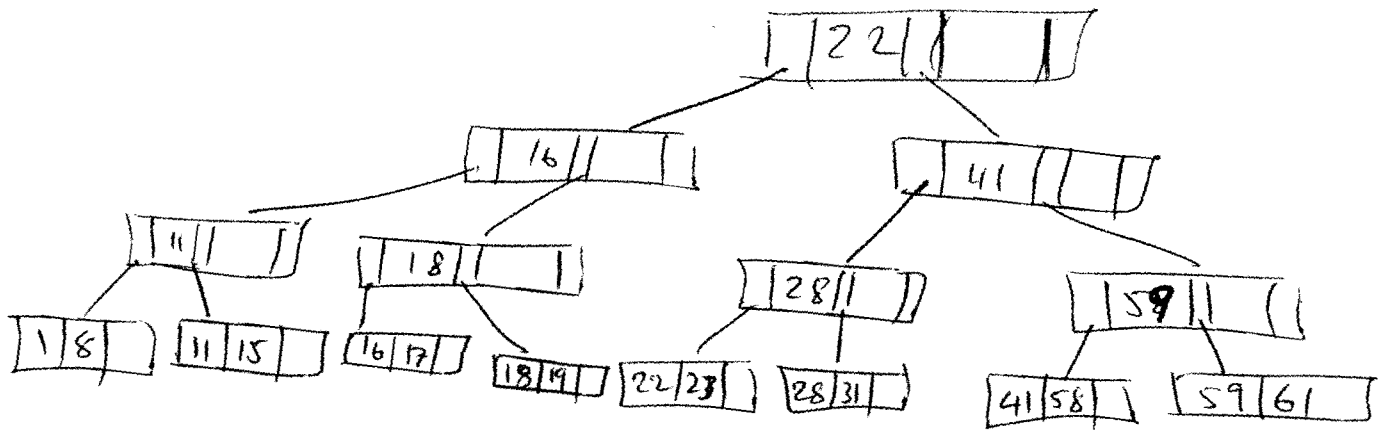
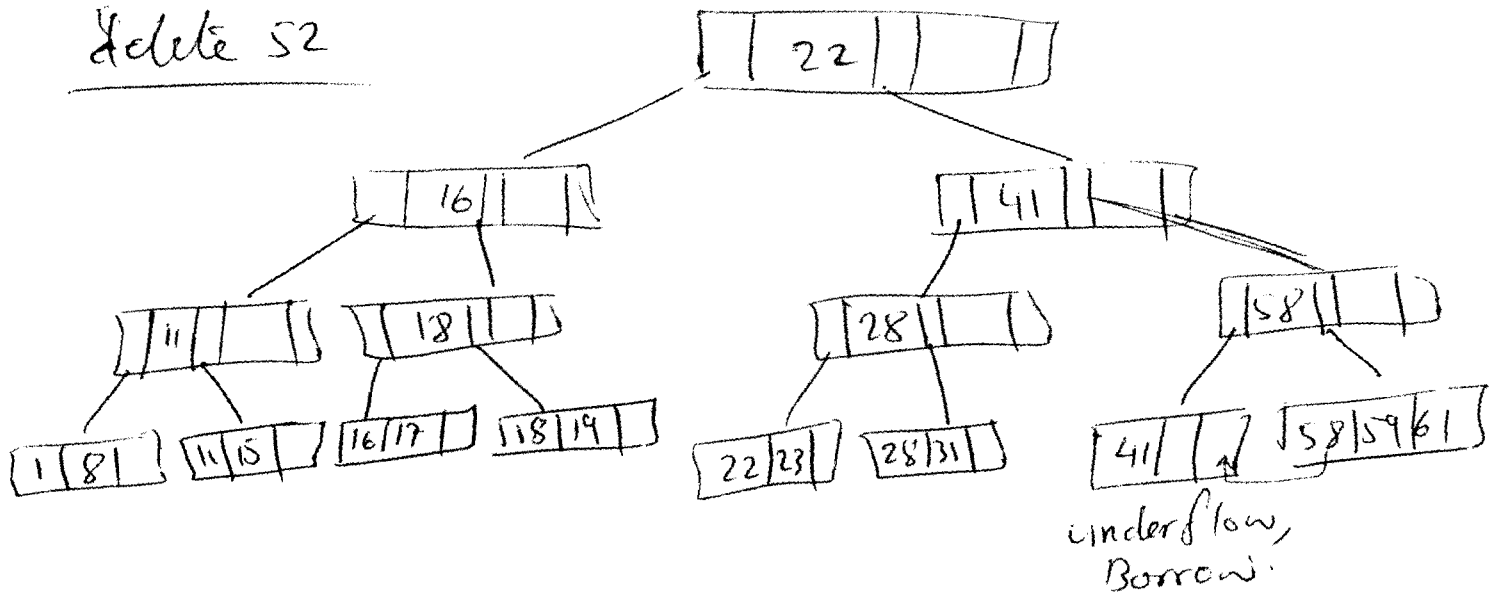
Cannot transfer, overflow
split



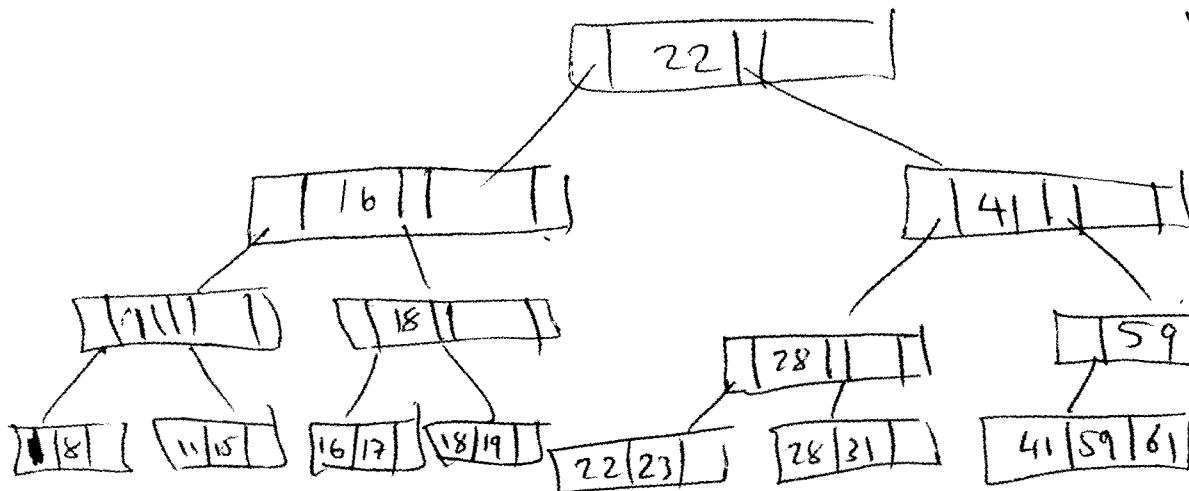
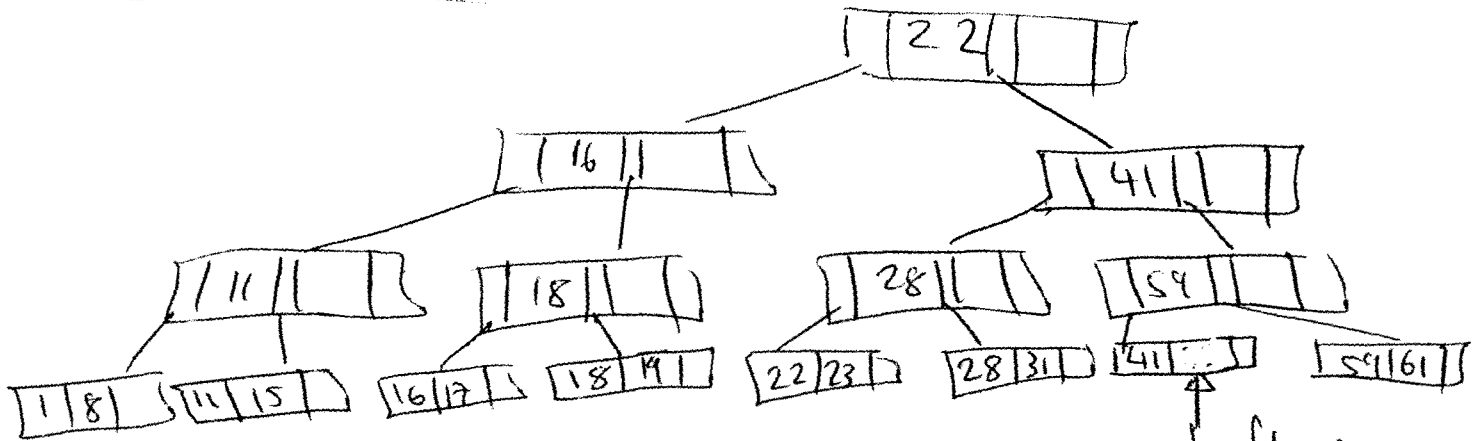
Delete 51 Normal Case



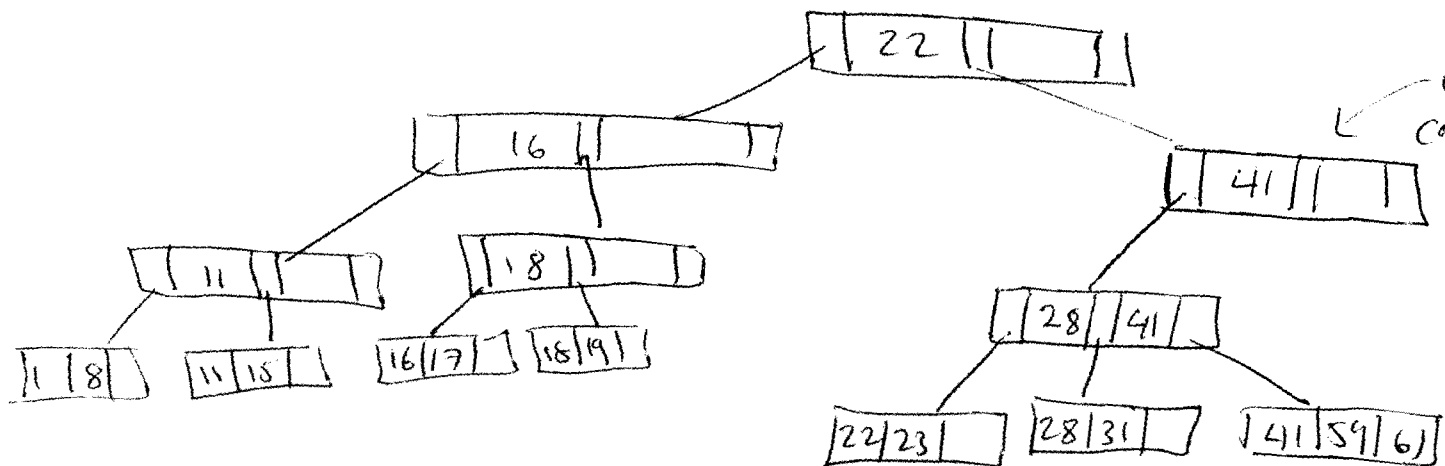
Delete 52



delete 58

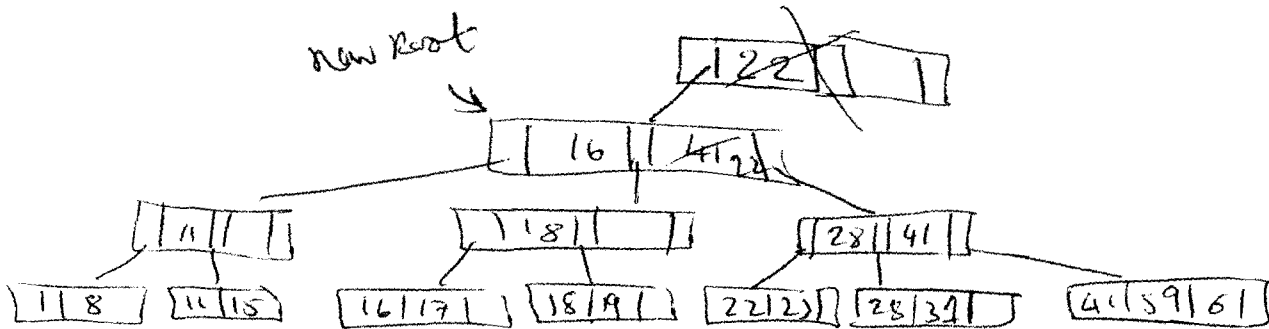


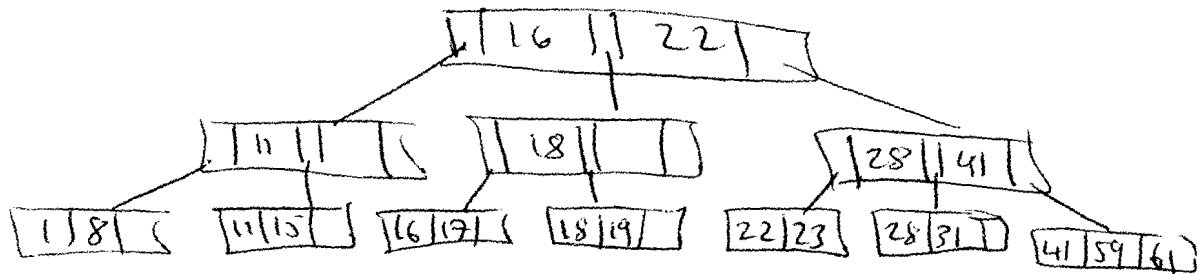
underflow
cannot
borrow,
merge.



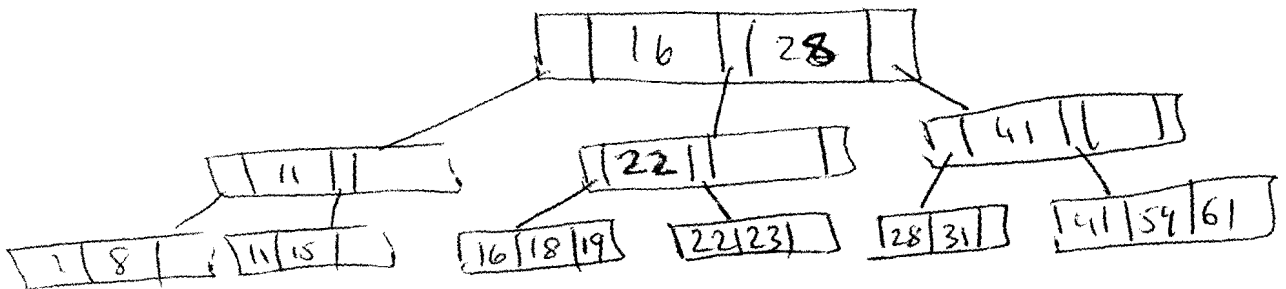
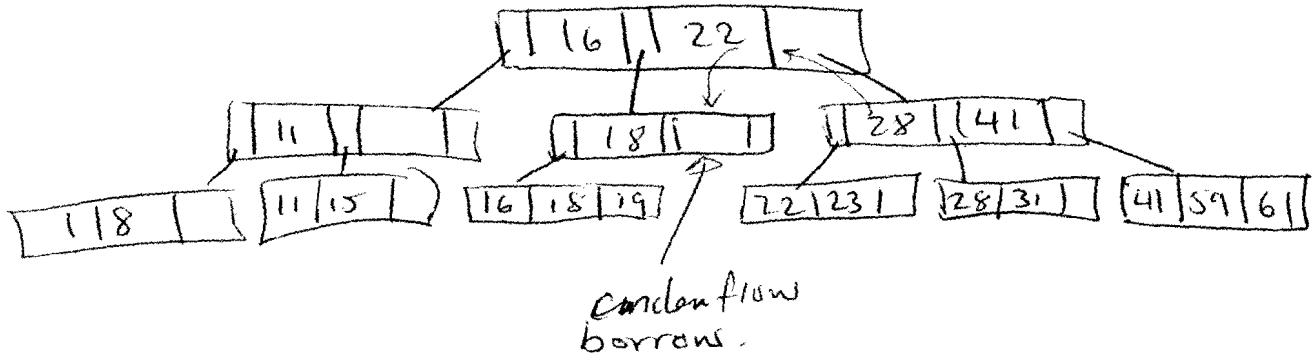
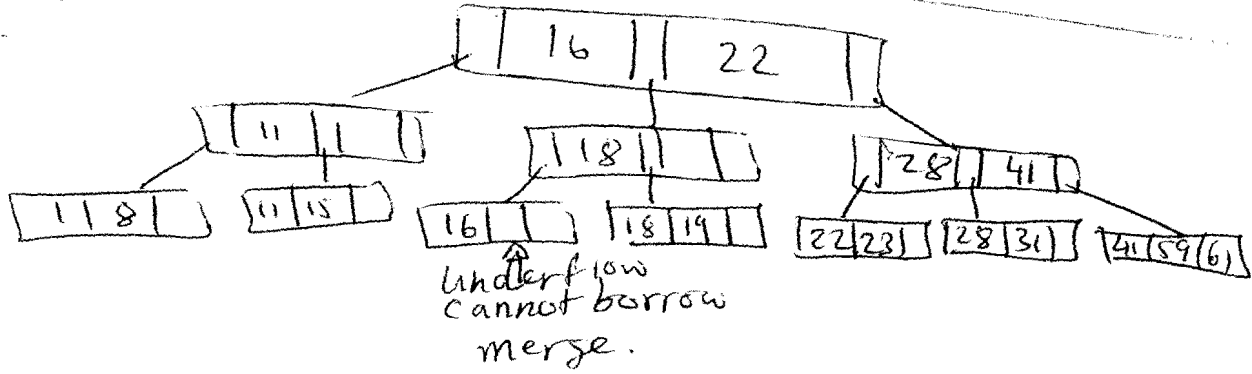
underflow
cannot borrow
merge.

new Root

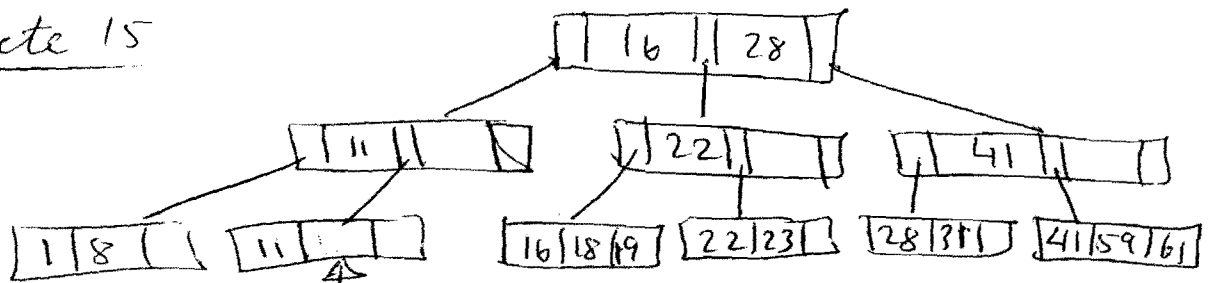




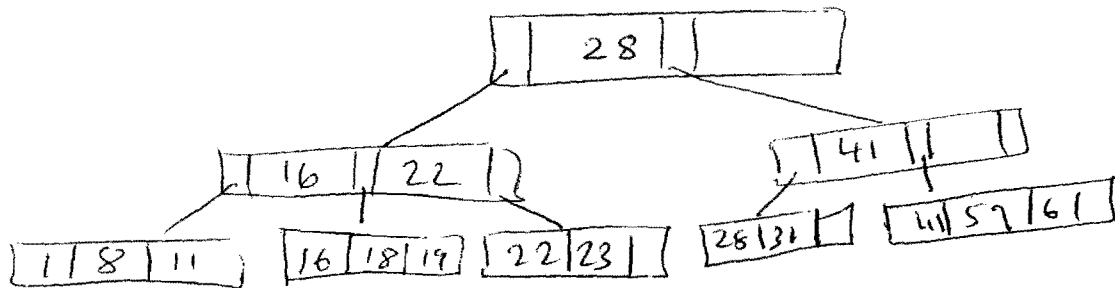
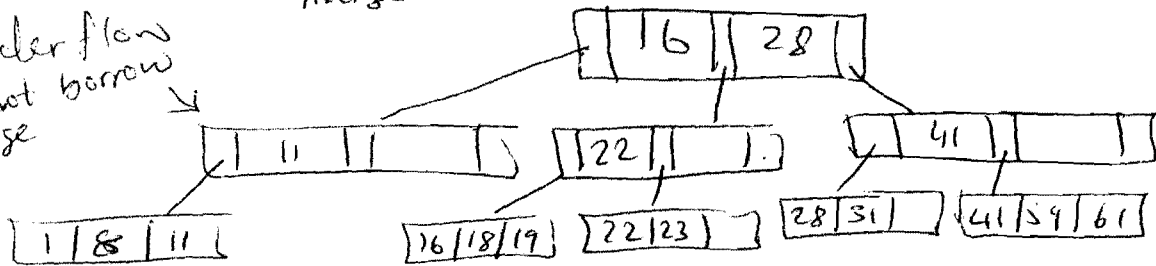
delete 17



delete 15

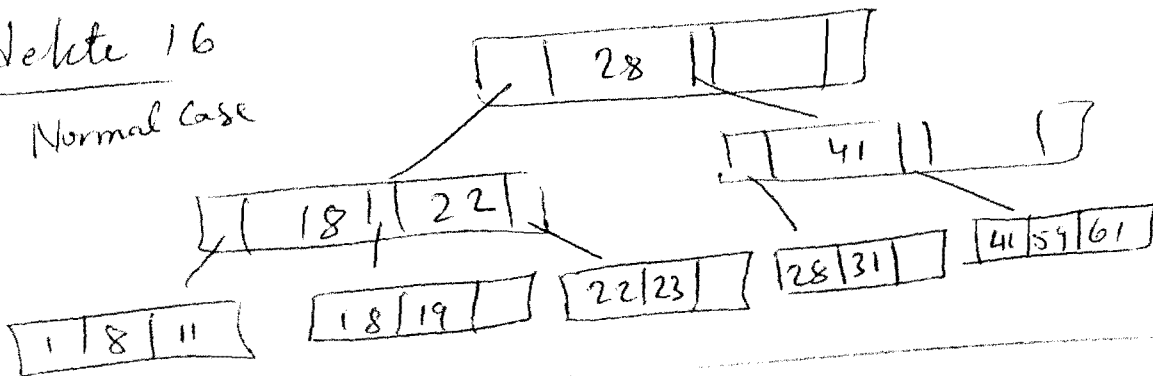


underflow
cannot borrow
merge



delete 16

Normal Case



delete 19

