DELETE_MIN(T)
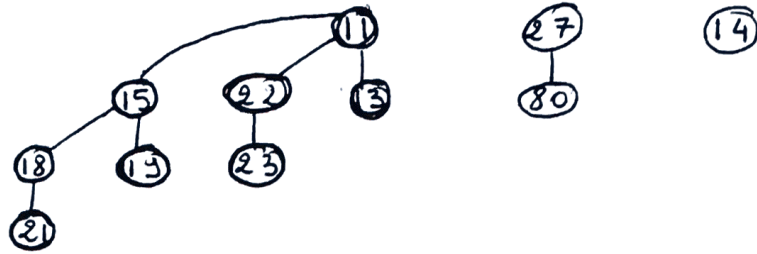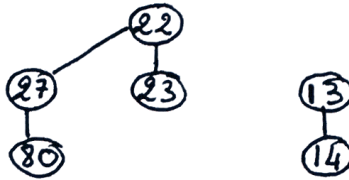
Example : $T =$

Delete_MIN(T) :
1. Scan roots to find smallest element
2. Delete element
3. Merge resulting BQ's.
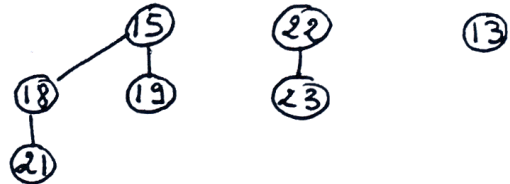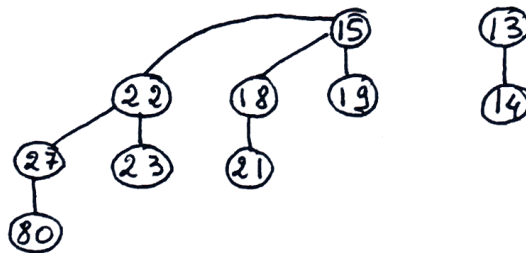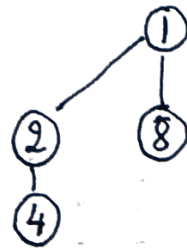

Carry :

$$T_1 = T - S_3$$

$$+$$

$$T_2 = S_3 - \{x\}$$

$T \leftarrow UNION(T_1, T_2)$
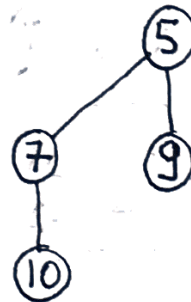
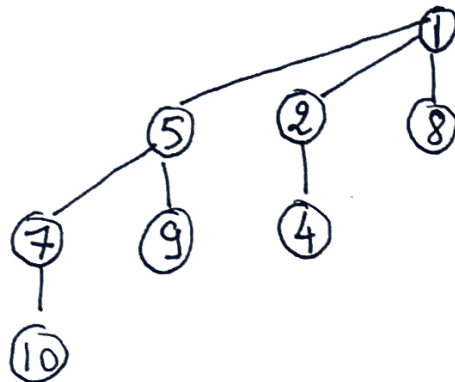EXAMPLE OF BINOMIAL TREE MERGE

Carry

Total of
5 edges

: T

+

: Q

Total of
8 edges

X

X

Merge took
8 − 5 = 3
key comparisons