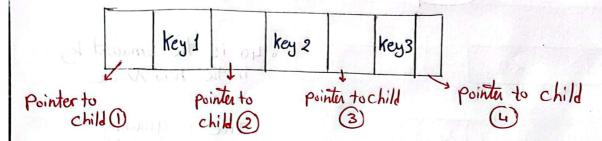
Insertion of B-tree Using time trade space offs

Structure of it

m-way -> m is the number of pointer to child example 4-way

Keys = [m-1] -> 4-1= 3 - they in each node



Rules

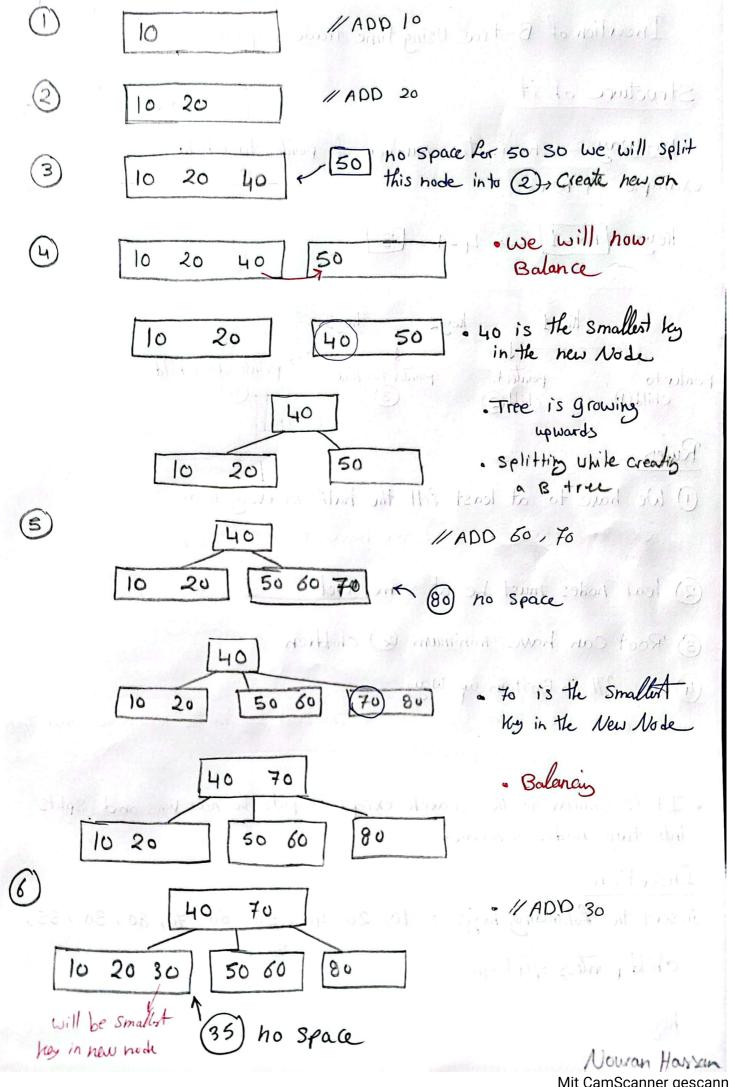
- (1) We have to at least fill the half in every node ex: if degree is (m) we have to fill [m2]
- 2) leaf nodes must be at same level
- 3) Root can have minimum (2) children
- 4) We fill in Bottom up way when we split we take the smallest key in the new node and then it becomes the powert
- . It is similar to the search except it puts the new keys and splits into two nodes if needed

Insertion

In sert the hollowing keys: 10, 20, 40, 50, 60, 70, 80, 30, 35, 6hild pointers = 4 = 10

Keys in node = 4-1=[3]

Nowan



Mit CamScanner gescannt

