

sorted

minimum 2 pointer Non leaf node minimum ceil(n/2)-1 keys minimum ceil(n/2) pointers 30 24 19 20 22 33 34 38 39

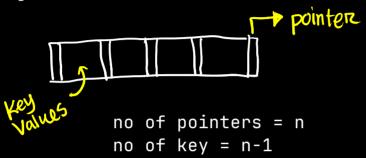
Root node minimum 1 key

Root-> leaf (no child/pointer) -> minimum 0 keys
-> non leaf -> minimum 2 children

Maximum is same for all node maximum n-1 key maximum n pointers

## Properties

Degree/Order/no of maximum child/no of pointers, n = 5



- 2. Ordered Data Structure : always sorted in a level
- 3. Dynamic Tree : automatically adjust height

Consider a B+ tree of order 5. now push these

10, 50, 26, 13, 17, 24, 31, 3, 29, 42, 9, 62

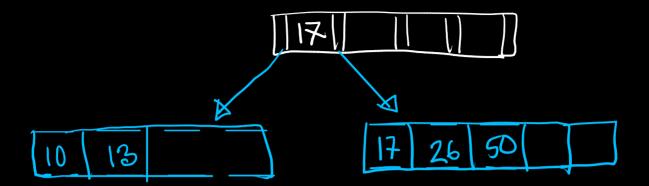
order 5 -> no of pointers = 5 no of keys = 4

inserting 10,50,26,13

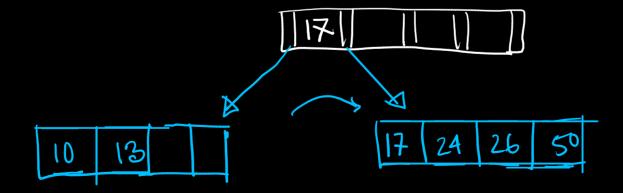


10 13 17 26 50

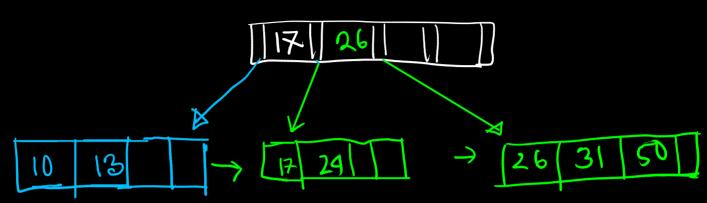
## inserting 17



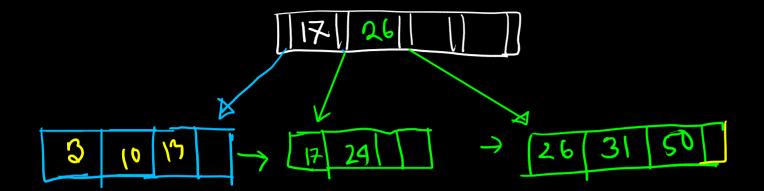
## inserting 24







inserting 3



inserting 29

