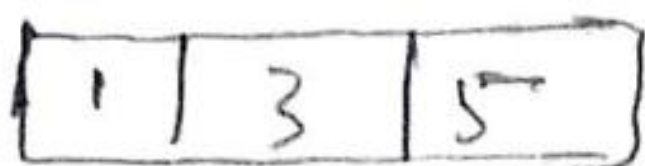


Panasa Teja

B191143CS

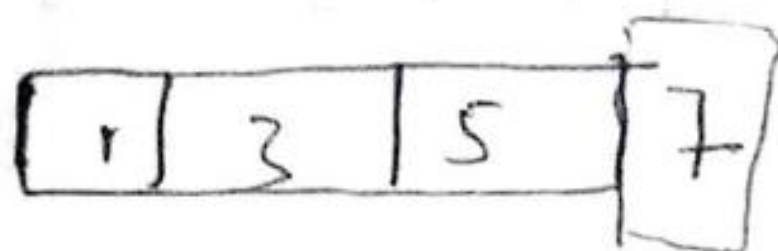
Insertion of 15 elements in B+ trees of order 4
1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29

1, 3, 5 -

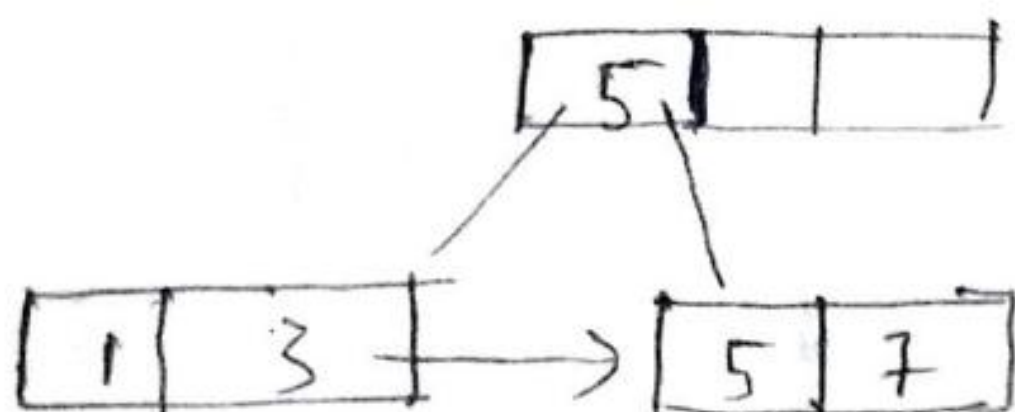


max $(4-1)$ keys = 3
min $\lceil \frac{4}{2} \rceil - 1$ keys = 1

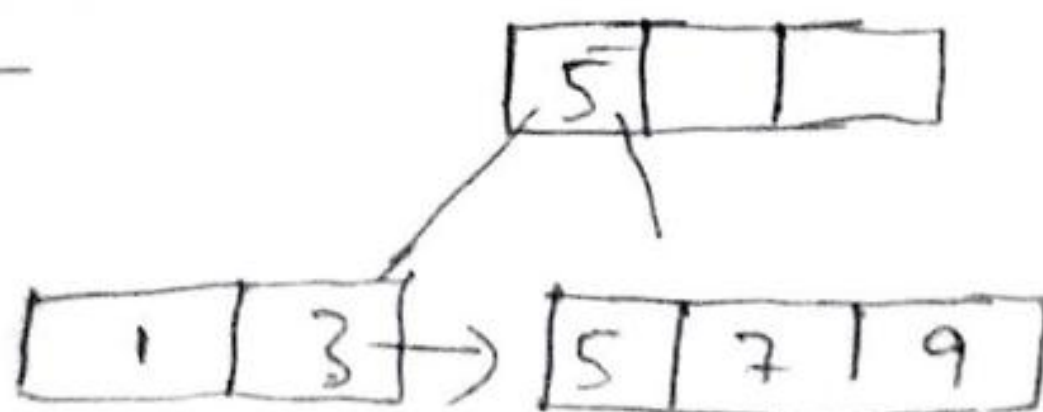
7 -



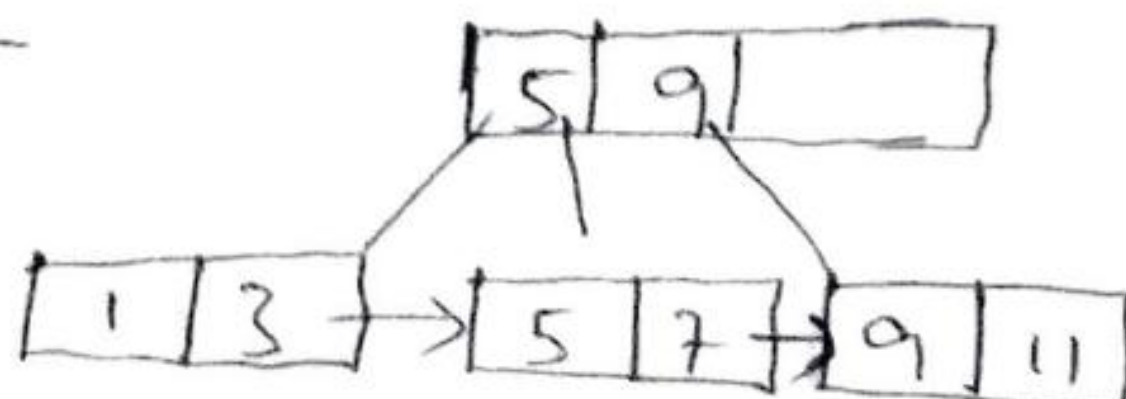
- Spilling will occur



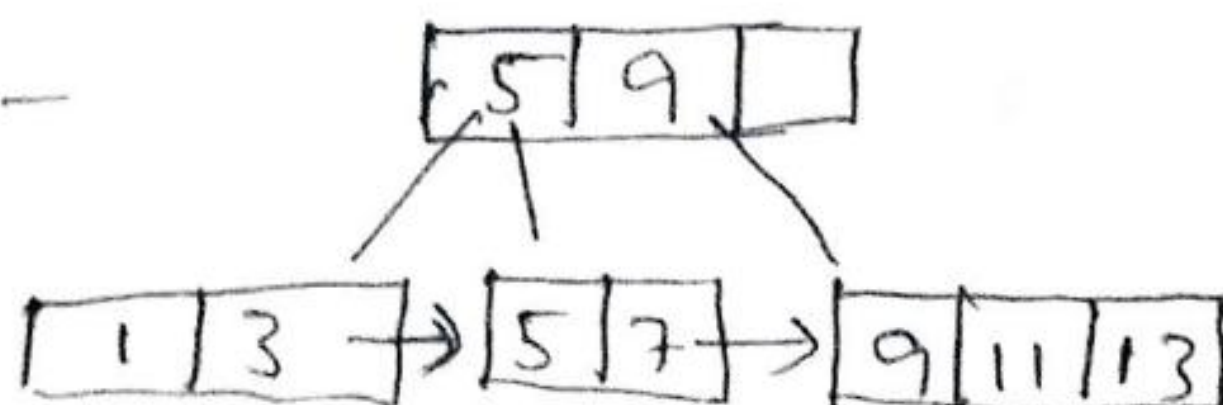
9 -



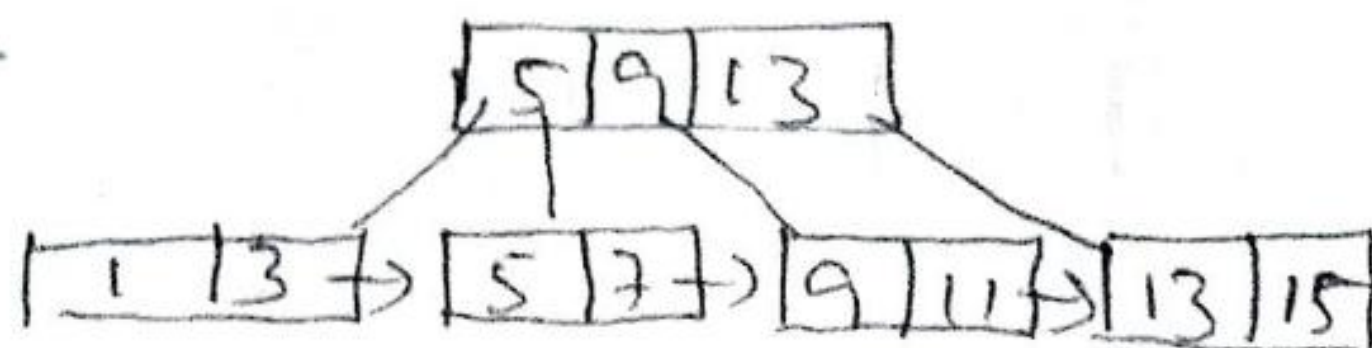
11 -



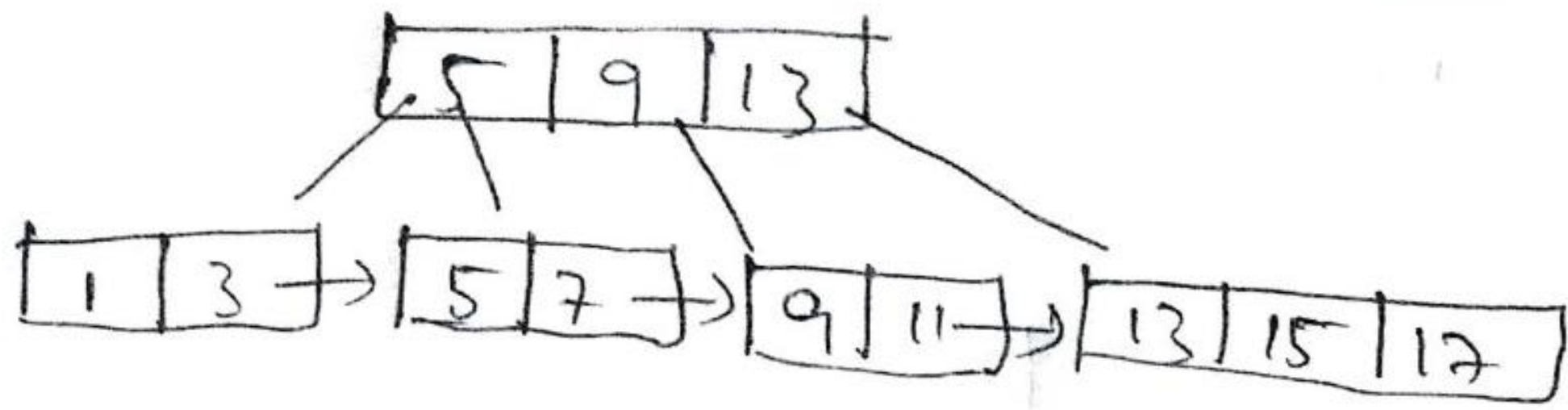
13 -



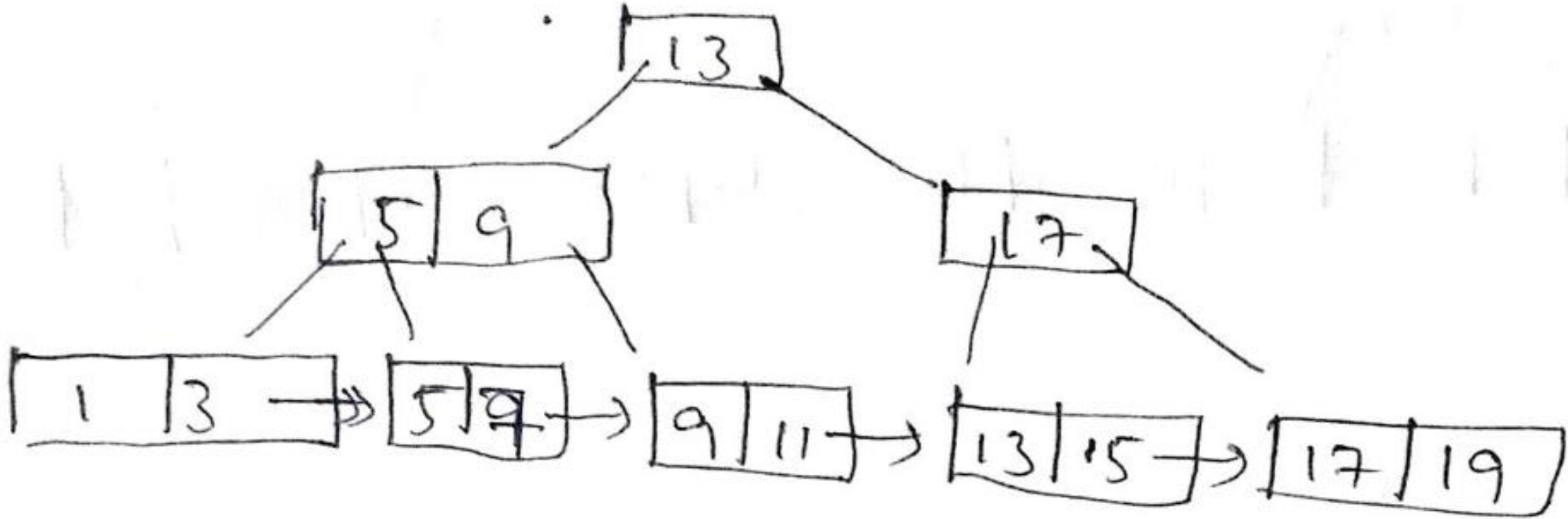
15 -



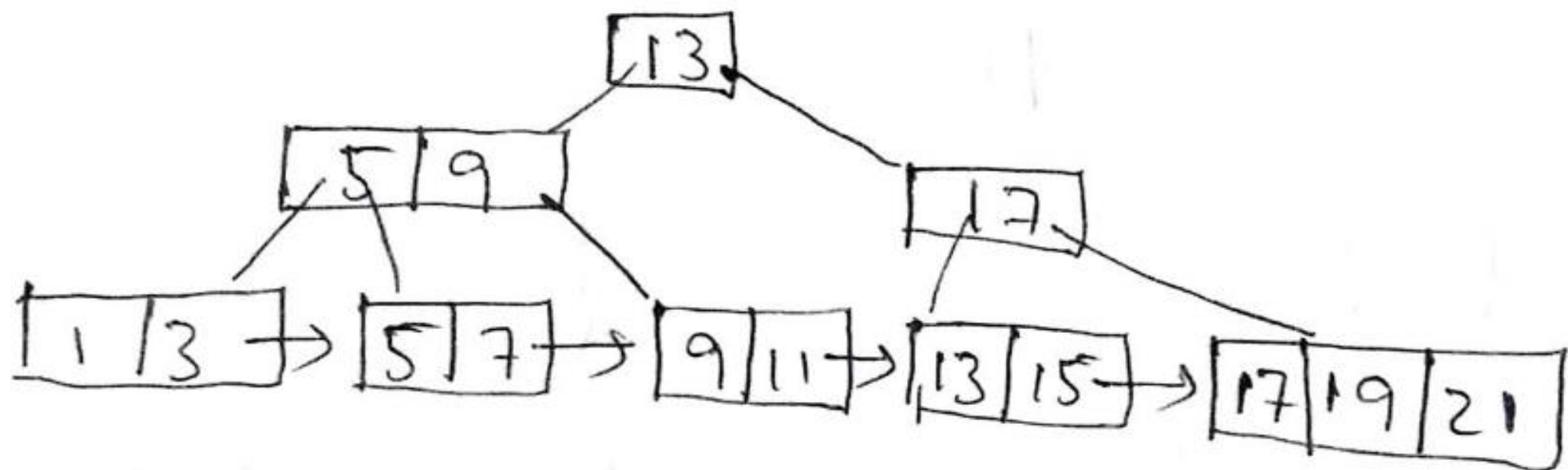
17 -



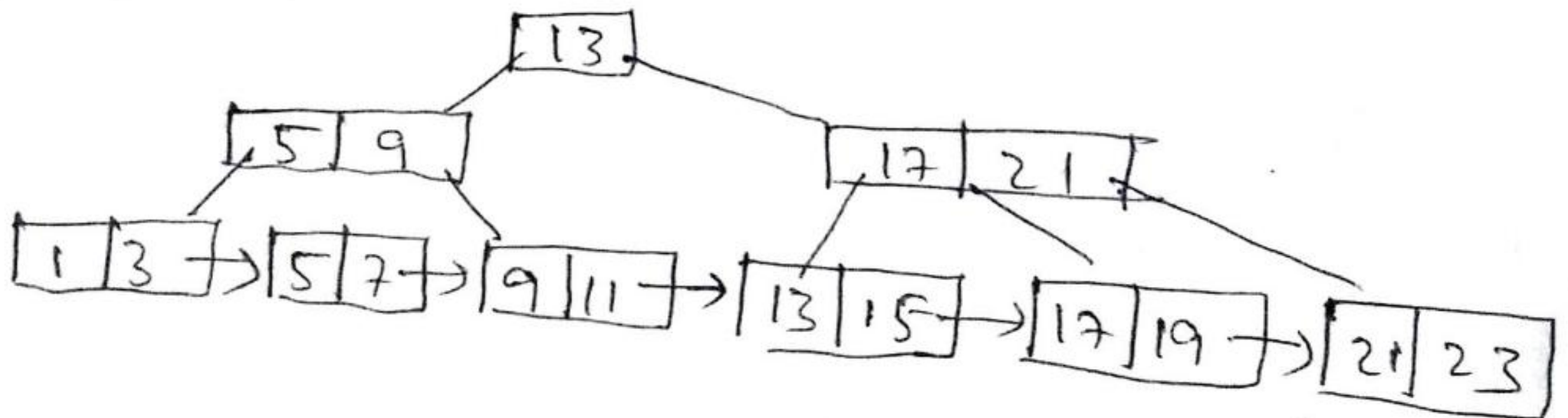
19 -



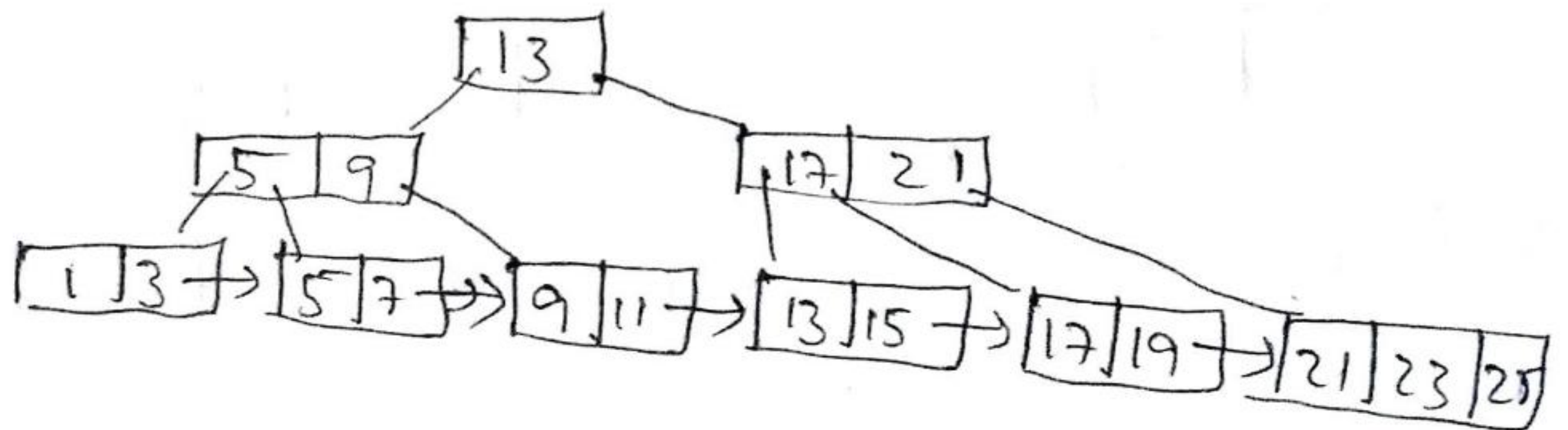
21 -



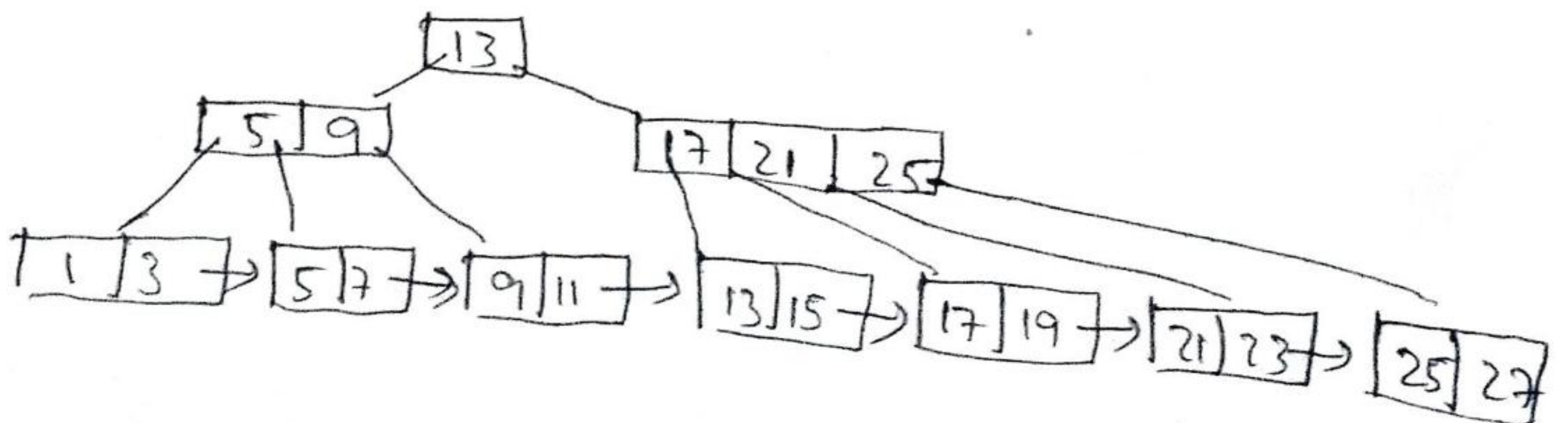
23 -



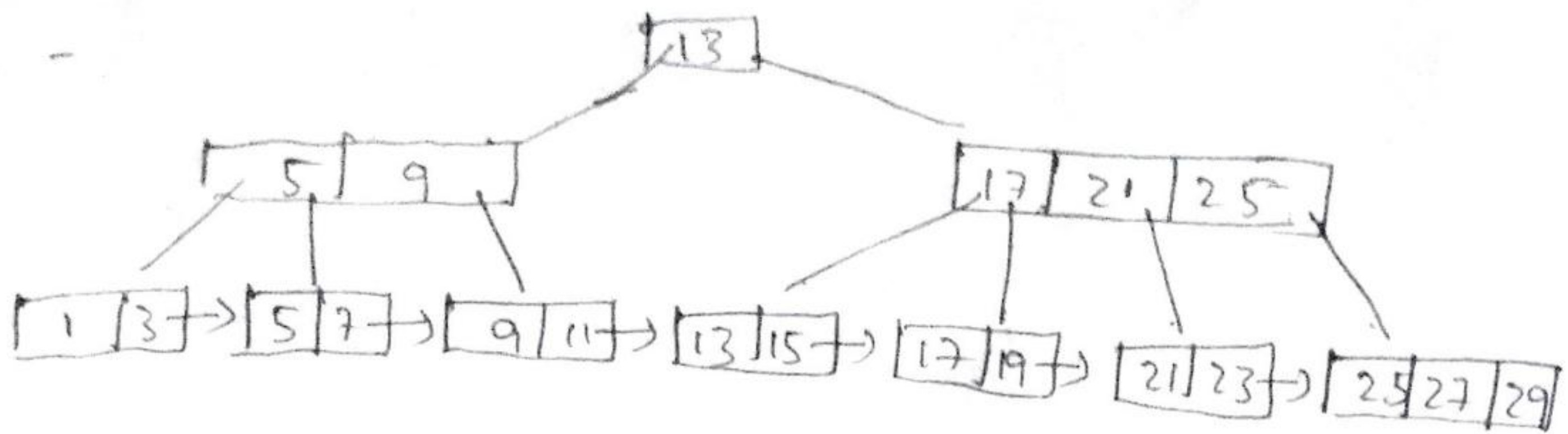
25 -



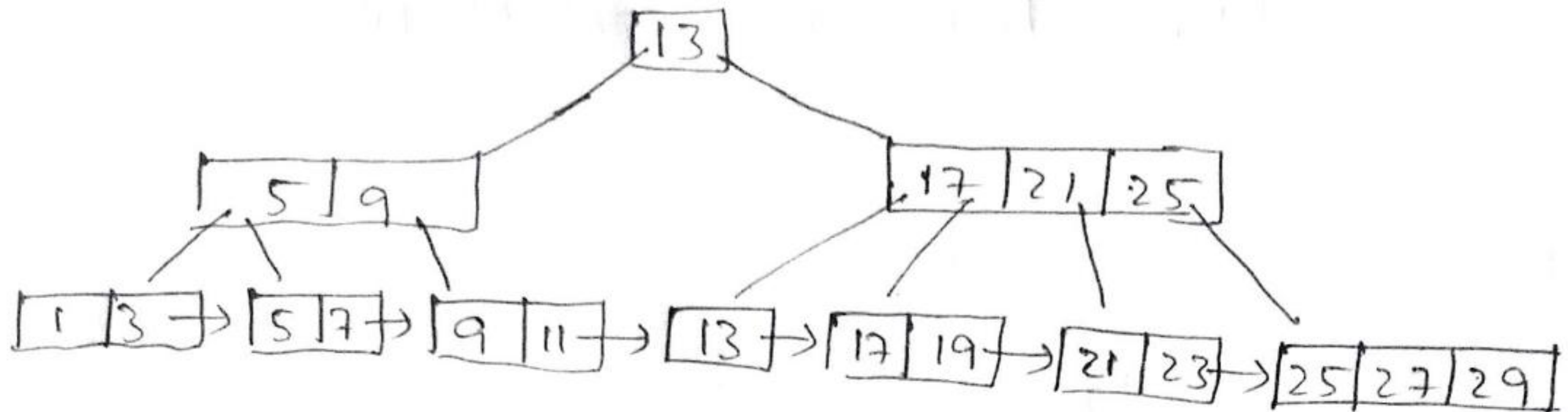
27 -



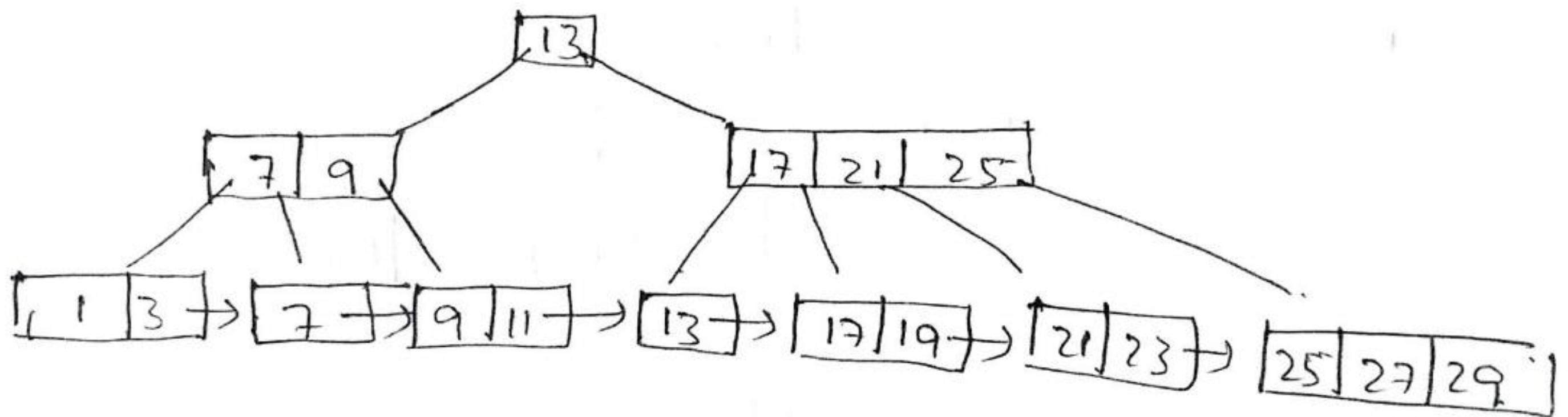
29 -



Deletion of 5



Deletion of 5



Deletion of 21

