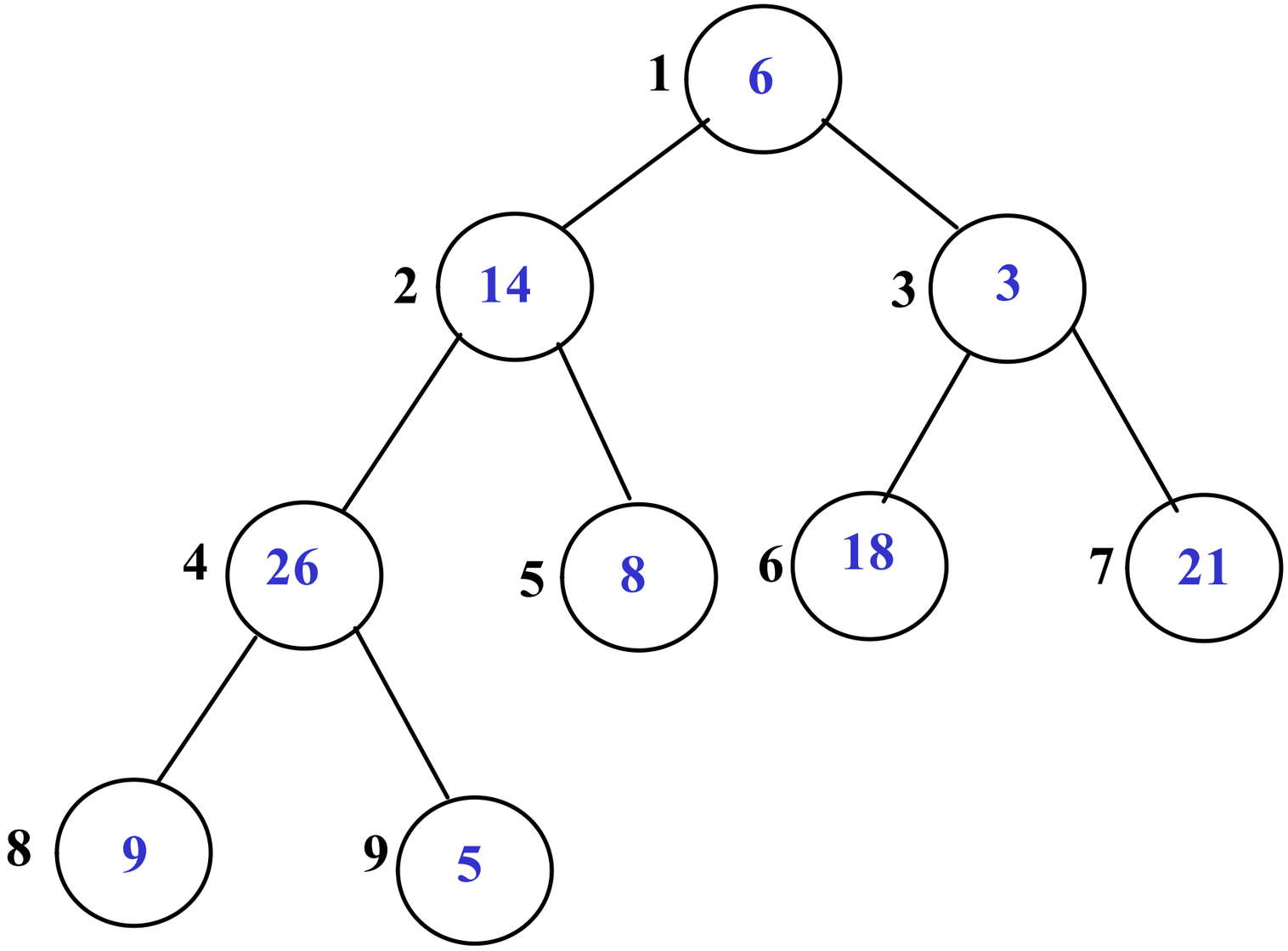
Complete Binary Tree



6	14	3	26	8	18	21	9	5
1	2	3	4	5	6	7	8	9

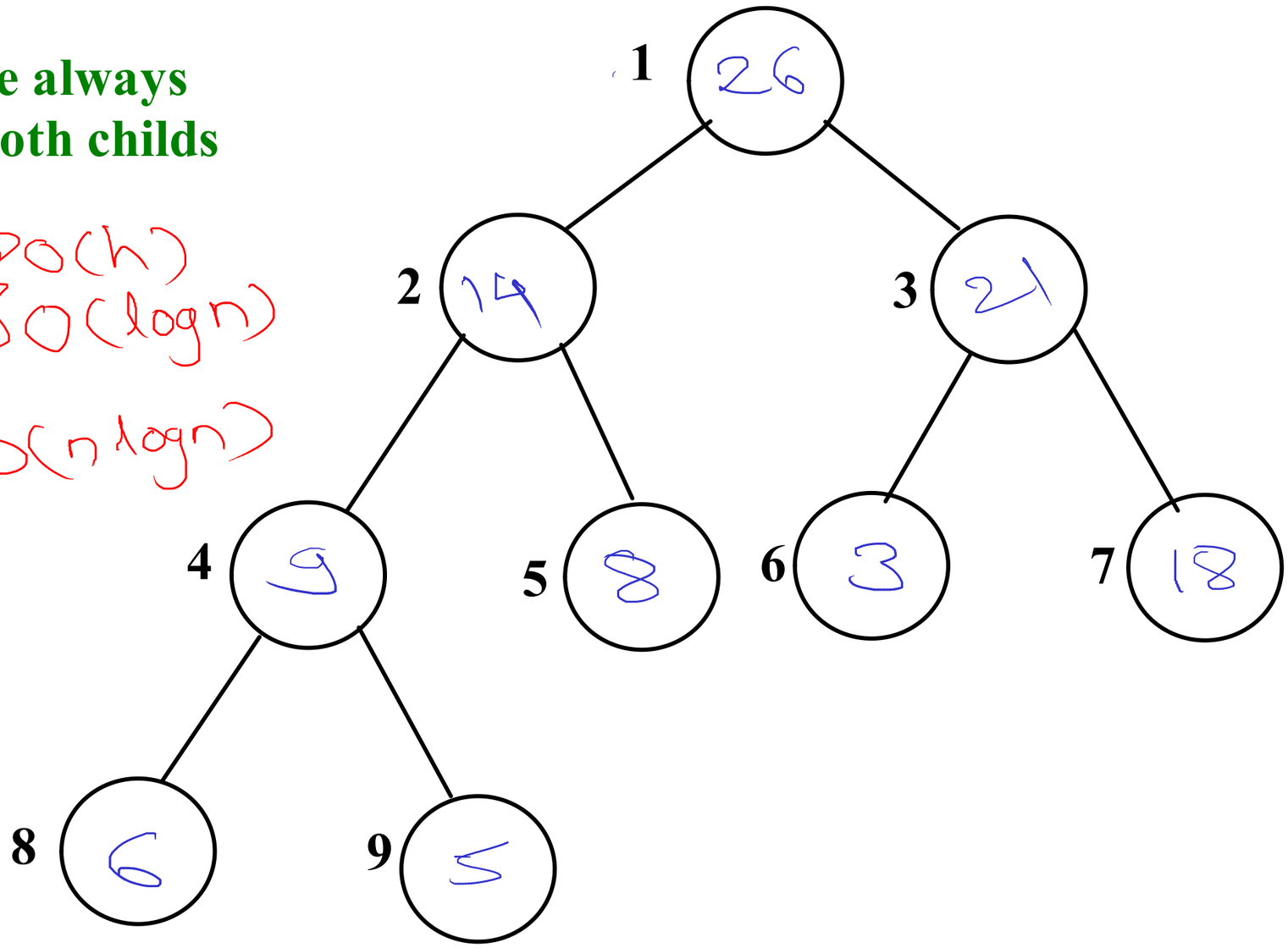
Max Heap -add

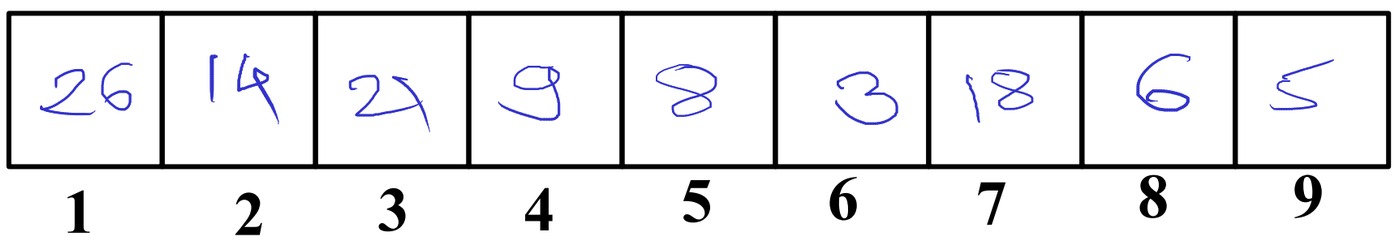
6 14 3 26 8 18 21 9 5

- parent should be always greater than its both childs

single element → O(h) → O(log n)

n elements → O(n log n)





Max Heap - Delete

max=26

max=21

single element O(h)
O(log n)

n elements → O(n log n)