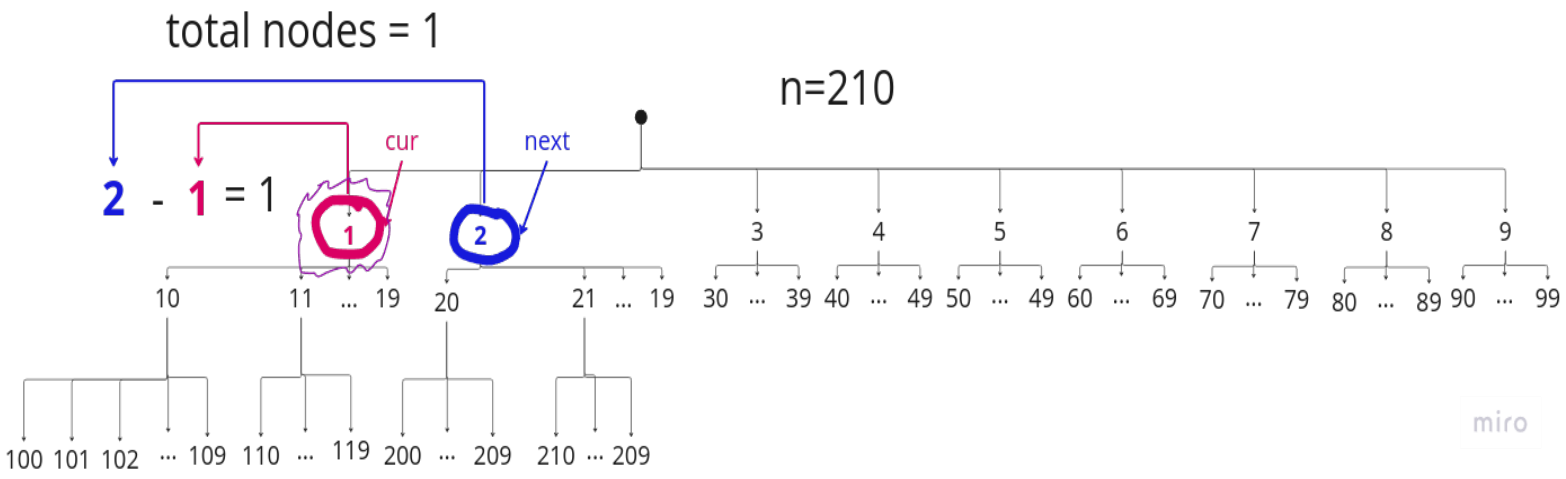
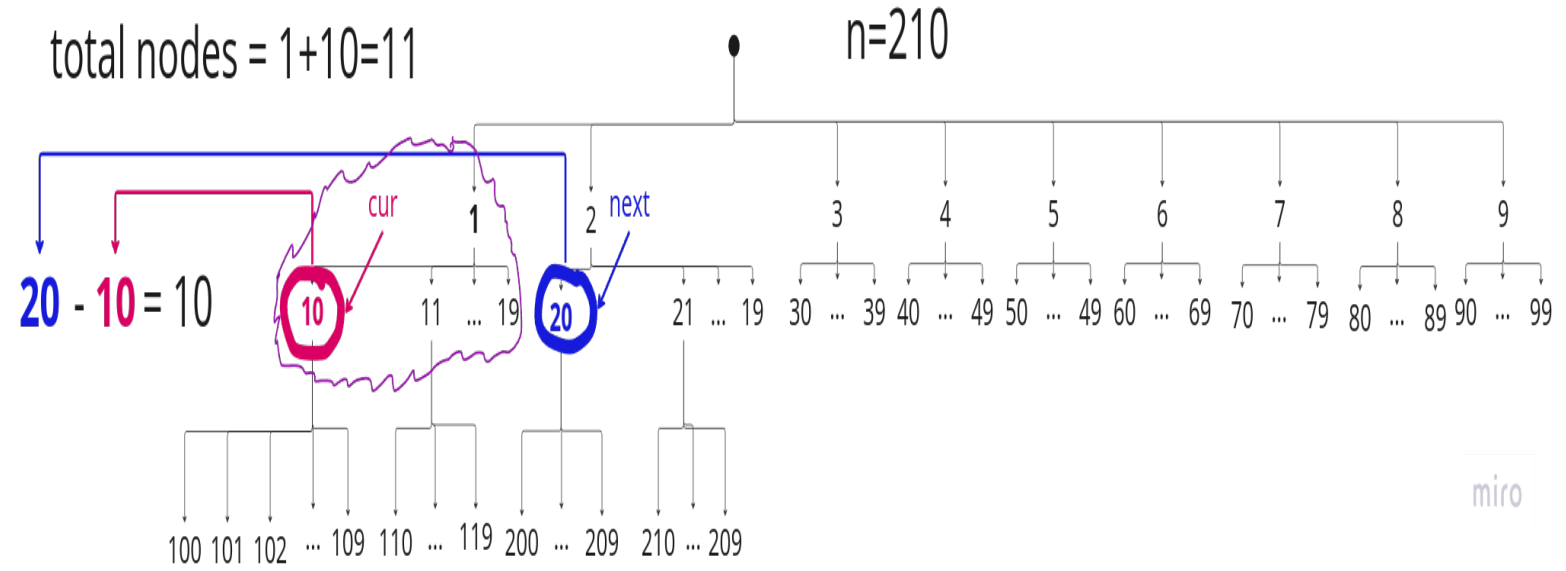
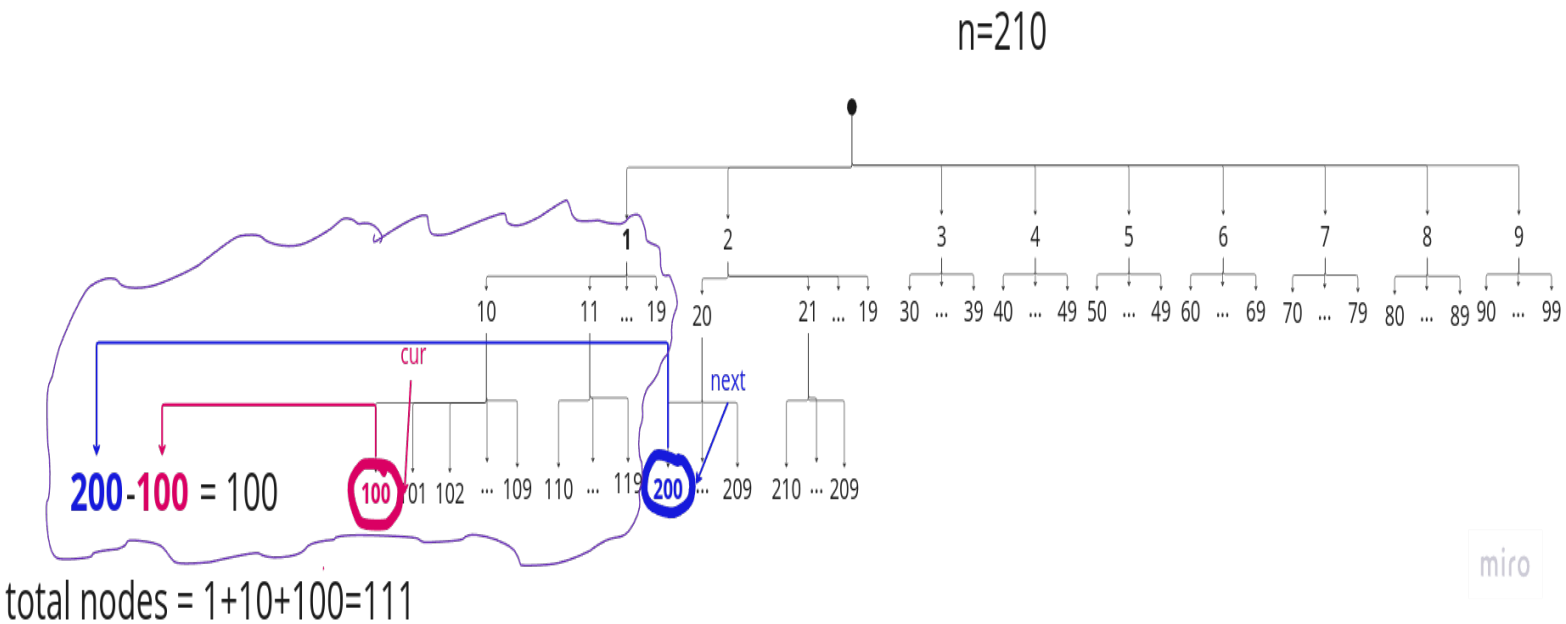
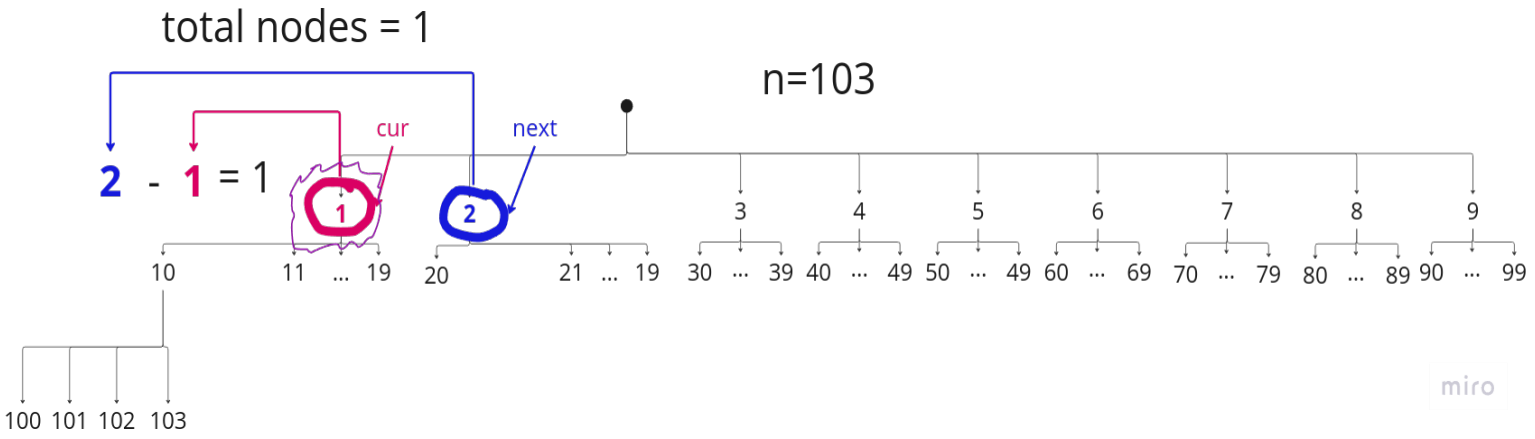
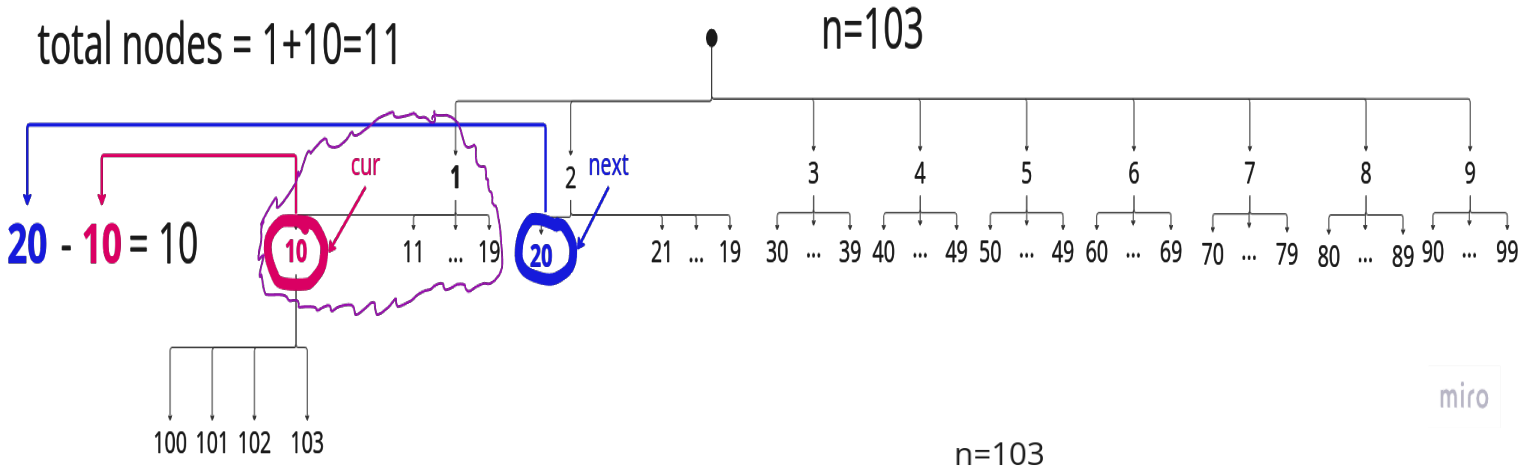
Count the number of nodes

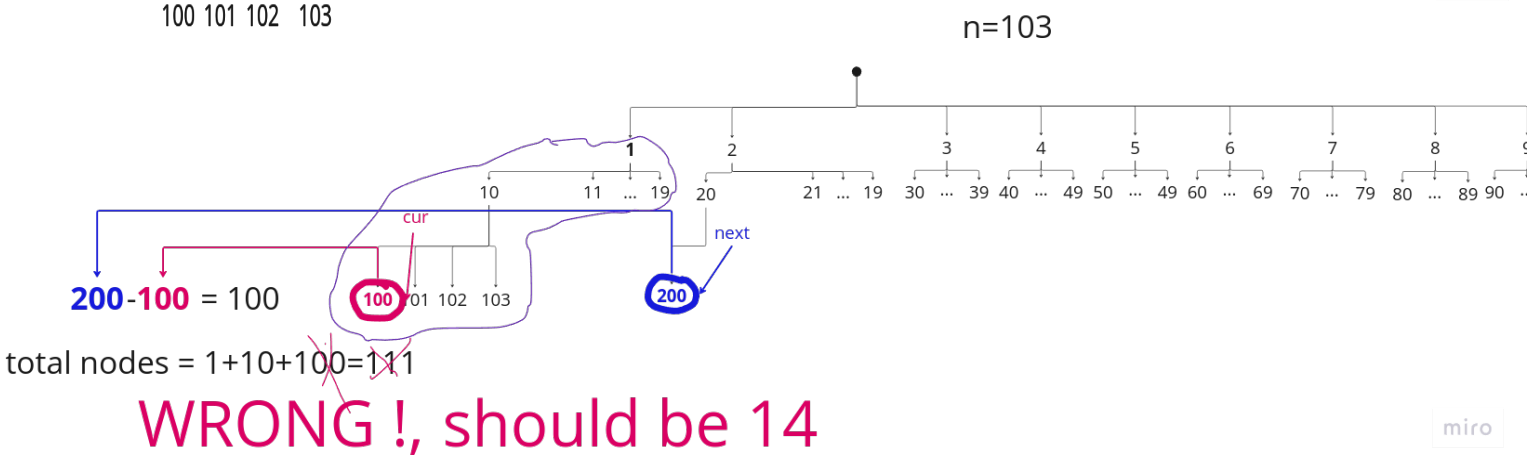


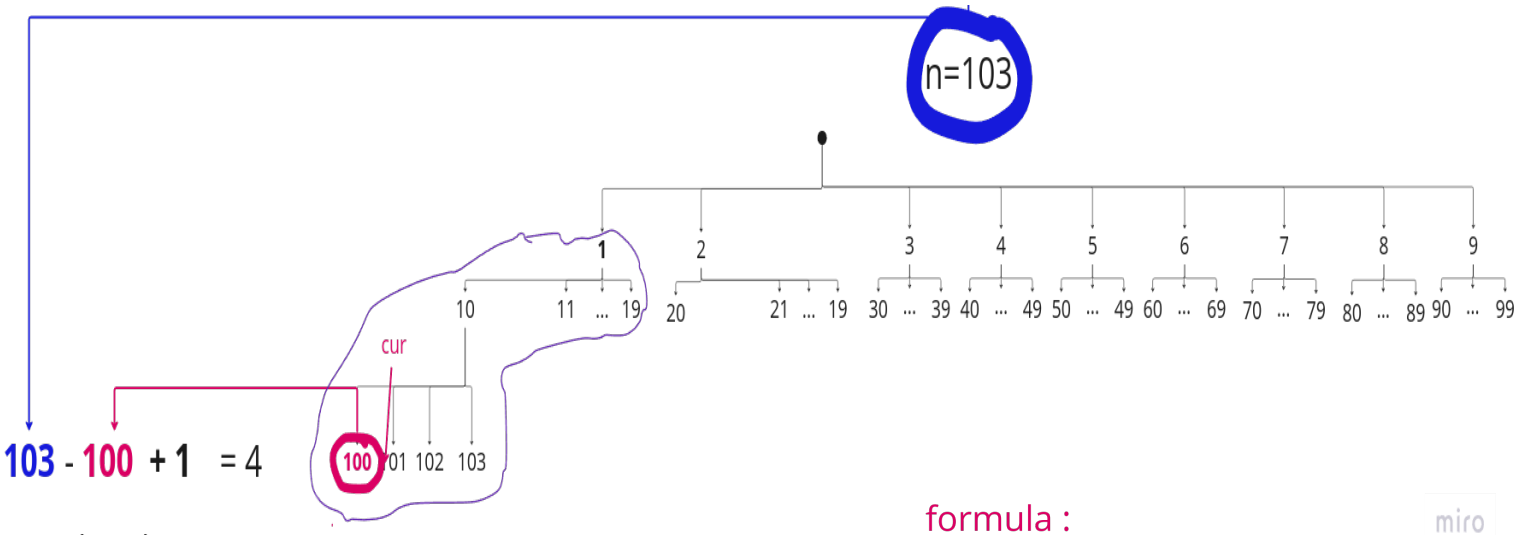





total nodes = 1
n=103
2 - 1 = 1
cur
next
1
2
3 4 5 6 7 8 9
10 11 ... 19 20 21 ... 19 30 ... 39 40 ... 49 50 ... 49 60 ... 69 70 ... 79 80 ... 89 90 ... 99
100 101 102 103
miro


total nodes = 1+10=11
n=103
20 - 10 = 10
cur
next
1
2
10
11 ... 19
20
3 4 5 6 7 8 9
21 ... 19 30 ... 39 40 ... 49 50 ... 49 60 ... 69 70 ... 79 80 ... 89 90 ... 99
100 101 102 103
miro


n=103
200-100 = 100
cur
next
100
101 102 103
200
total nodes = 1+10+100=111
WRONG !, should be 14
miro


n=103
103 - 100 + 1 = 4
cur
100
101 102 103
total nodes = 1+10+4=14
formula :
#node at a current node=min(n-cur+1,cur-next)
where: next is the next node of the current node in same level
miro