

a = [8, 3, 7, 12, 18, 1, 53, 73, 14, 13, 10, 6]

0 1 2 3 4 5 6 7 8 9 10 11

lefts

rights

Lchild Rchild

root = 8 : [3, 7, 1, 6] [12, 18, 53, 73, 14, 13, 10] → 8 : [3] [12]

lefts → root = 3 : [1] [7, 6] → 3 : [1] [7]
 root = 7 : [6] [] → 7 : [6] [None]

rights → root = 12 : [10] [18, 53, 73, 14, 13] → 12 : [10] [18]

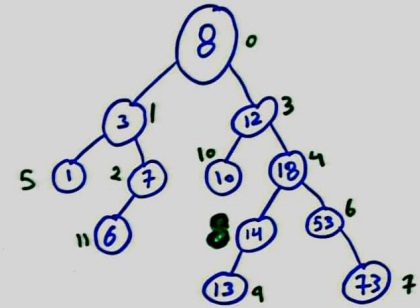
root = 18 : [14, 13, 10] [53, 73] → 18 : [14] [53]

root = 14 : [13, 10] [] → 14 : [13] [None]

root = 13 : [10] [] → 13 : [None] [None]

root = 53 : [] [73] → 53 : [None] [73]

{Rchild = None, Lchild = None} ، تقیوی عناصر که Left و right شون اینها مشخص نشد، بصورت None دریاقت هستند.



Lchild, index, Rchild

result = [[1, 0, 3],
 [5, 1, 2],
 [11, 2, None],
 [10, 3, 4],
 [8, 4, 6],
 [None, 5, None],
 [None, 6, 7],
 [None, 7, None],
 [9, 8, None],
 [None, 9, None],
 [None, 10, None],
 [None, 11, None]]