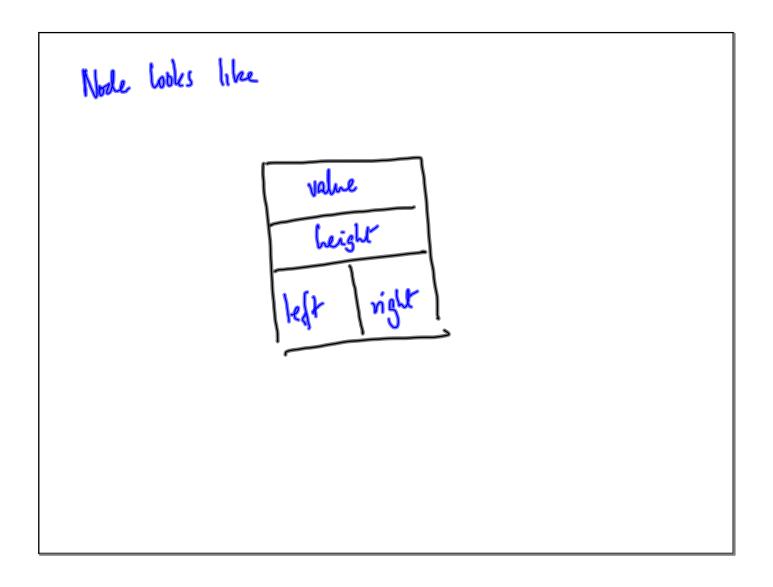


In search tree code, moert a rebalance after every recursive insert/delete if x < self. if self. left: self. laft. insert (22) / self. left. delete (20) self.rebalance()



Evaluating recursive functions efficiently
factorial
$$(n) = n \cdot \text{factorial}(n-1)$$

fibornacci $(n) = \text{fibornacci}(n-1) + \text{fibornacci}(n-2)$
factorial (5) factorial(4) 3! 2! 1! 0?
 $\int 120$ 24 6 2 1 1

