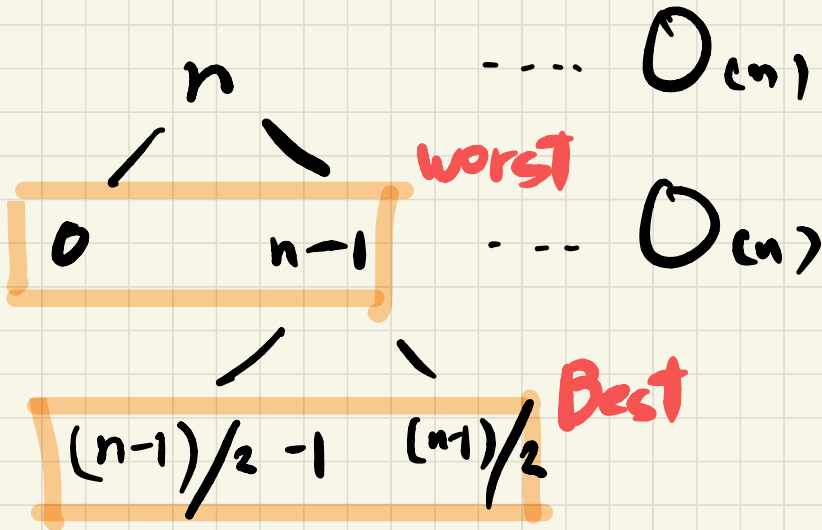


< 평균적인 경우 >

: Best-case, Worst-case 반복  
해서 발생하는 경우



$$\begin{aligned} T(n) &= O(n) + O(n) + 2T\left(\frac{n-1}{2}\right) \\ &= 2O(n) + 2T\left(\frac{n}{2}\right) \\ &= O(n) + 2T\left(\frac{n}{2}\right) \\ &= O(n \log_2 n) \end{aligned}$$