
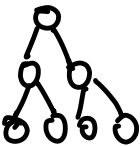


$n=1$ 0 $h=0$

$n=3$  $h=1$

$n=7$  $h=2$

$n=15$ $h=3$

\vdots

$2^h \leq n \leq 2^{h+1} - 1$

$n=2$

$n=4, 5, 6$

$n=8, 9, 10, \dots, 14$

$2^h \leq n$ $h \leq \log_2 n$

$n+1 \leq 2^{h+1}$ $\log_2(n+1) \leq h+1$

$\log_2(n+1) - 1 \leq h$

따라서
노드가 n 개인 경우
 $\Omega(\log n)$ 의 최고값은
 $\log_2(n+1) - 1$