Question 2 - CompleteBinary Tree Min Path

Greedy

$$T(n) = T(n/2) + \Theta(1)$$

For master theorem $T(n) \in \Theta(\log n)$

Recursive

$$T(n) = 2T(n/2) + \Theta(1)$$

For master theorem $T(n) \in \Theta(n)$

Dynamic Programming

$$T(n) = \Theta(n) + \Theta(n/2)$$

$$T(n) \in \Theta(n)$$

For Our Codes