- 문제 2: T(n) = T(n-1) + n

- 문제 4:
$$T(n) = T\left(\frac{n}{2}\right) + 1$$

$$T\left(\frac{n}{2}\right) = T\left(\frac{n}{4}\right) + 1$$

$$= T\left(\frac{n}{4}\right) + 2$$

$$= T\left(\frac{n}{4}\right) + K$$

$$= T(1) + \log_2 N$$

- 문제 8:
$$T(n) = T(n-1) + \frac{1}{n}$$

$$T(n-1) = T(n-2) + \frac{1}{n} + \frac{1}{n-1}$$

$$T(n-2) + \frac{1}{n} + \frac{1}{n-1}$$

$$T(n) + \frac{1}{n} + \frac{1}{n-1}$$

$$T(n) + \frac{1}{n} + \frac{1}{n-1} + \dots + \frac{1}{n}$$

$$T(n) + \frac{1}{n} + \frac{1}{n-1} + \dots + \frac{1}{n}$$