$$T(n) = \begin{cases} C_1 & \text{khi } n=0 \\ T(n-1) + n + C_2 & \text{khi } n>0 \end{cases}$$

$$T(n) = T(n-1) + n + C_2$$

= $\left(T(n-2) + n-1 + C_2\right) + n + C_2 = T(n-2) + 2n + 2C_2 - 1$
= $\left[T(n-3) + n-2 + C_2\right] + 2n + 2C_2 - 1 = T(n-3) + 3n + 3C_2 - 1 - 2$

Quá trình kết thúc khi
$$n-i=0$$
 (=) $i=n$
=> $T(n) = T(0) + n^2 + nC_2 - \frac{(n-1)^2 n}{n}$

$$= C_1 + n^2 + nC_2 - \frac{n^2 - n}{2}$$

$$= \frac{n^2}{2} + \frac{2C_2 + \Lambda}{2} n + C_{\Lambda}$$