## (2)(0)

## Implementation 1

$$T(0) = T(0-1) + T(0-2) + c$$

$$= T(0-1) + T(0-1) + c$$

$$= 2T(0-1) + c$$

$$= 2[2T(0-2) + c] + c$$

$$= 2^{2}T(0-2) + 2c + c$$

$$= 2^{2}T(0-2) + 2c$$

$$= 2^{2}T(0-2) + 2c$$

$$\approx 1^{3} \left[ 1 \left( 0 - 9 \right) + 40 + 90 \right]$$

$$\approx 1^{3} \left[ 1 \left( 0 - 9 \right) + 40 + 90 \right]$$

- 4 XX - 700 + 810 + 611

1110 - 1410 -

, " . . . . " " . whinelance

105-47170

Implementation ?

Tend = 1010 + 1010 + 1010 + 1010 + 1010 = 1017 = 0161 + 1010 = 1010 = 1017

complemity, Thy , Olm

... Time complexity for implementation is better than implementation 1.

0 0 (N-11)

THE DOLLAND

Softe mitely

SF + (8-0) T 80 50

2 - 64-10 MA SE

30 - 31 - 10-11 T 1 10