$$T(n) = 2T(n) - T(n) + n$$

$$T(3^{k}) = 2T(3^{k-1}) - T(3^{k-2}) + 3^{k}$$

$$T(3^{k}) = T_{k}$$

$$T(3^{k}) = T_{k}$$

$$T^{2} = 2T_{k-1} - T_{k-2} + 3^{k} \leftarrow T_{k} = T_{k} + T_{k}$$

$$T^{2} = 2T_{k} + T_{k} + T_{k} + T_{k}$$

$$T^{2} = 2T_{k} + T_{k} + T_{k} + T_{k} + T_{k} + T_{k}$$

$$T^{2} = 2T_{k} + T_{k} + T_{k}$$