

$$f(x, n) = \sum_{i=1}^k f(x-i, n-1) \quad (1)$$

$$f(x-1, n) = \sum_{i=1}^k f(x-1-i, n-1) \quad (2)$$

由 (1) - (2) 得

$$f(x, n) = f(x-1, n-1) + f(x-1, n) - f(x-1-k, n-1) \quad (3)$$

由 (3) 得到

$$f(x-1, n) = f(x, n) + f(x-1-k, n-1) - f(x-1, n) \quad (4)$$

$$f(x, n) = f(x+1, n) + f(x-k, n-1) - f(x, n) \quad (5)$$