Solving Precurrence Relations.

1] Subahtuhan Method

1)
$$T(G) = 2T(G-1)+C$$
, $K=1$

2) $K=1$, $T(G) = 2T(G-1)+C$
 $= 2T(G-1)+C$
 $= 2T(G-2)+C$
 $= 2T(G-2)+C$
 $= 2T(G-2)+C$
 $= 2T(G-2)+C$
 $= 2T(G-3)+C$
 $= 2T(G-2)+C$
 $= 2T(G-3)+C$
 $= 2T(G-3)+$

2)
$$T(n) = \begin{cases} 1 & n = 0 \\ T(n-1)+1 & n > 0 \end{cases}$$
 $T(n) = T(n-1)+1 & - - - - 0$

$$T(n) = T(n-2)+1 & - - - - 0$$

$$T(n-2) = T(n-2)+1 & - - - - 0$$

$$T(n-2) = T(n-2-1)+1 & - - - - 0$$

$$T(n-2) = T(n-3)+1 & 2$$

$$= T(n-3)+3 & - - - 0$$

$$T(n) = T(n-3)+1 & 2$$

$$= T(n) = T(n-1)+1 & 3$$

$$= T(n) = T(n) = T(n) = T(n)$$

$$= T(n) = T(n) = T(n) = T(n)$$

$$= T(n) = T(n) = T(n) = T(n)$$

$$= T(n$$

$$T(n) = 1 + n^{2} + n$$

$$T(n) = \pi^{2}$$

$$T(n) = \pi^{2}$$

$$T(n) = \pi(n-1) + \log n$$

$$T(n-1) = \pi(n-2) + \log(n-1)$$

$$T(n-2) = \pi(n-2) + \log(n-1) + \log n$$

$$T(n-2) + \log(n-1) + \log n$$

$$T(n-2) = \pi(n-3) + \log(n-2) + \log(n-2)$$

$$T(n-2) = \pi(n-3) + \log(n-2) + \log(n-2) + \log(n-2) + \log(n-2)$$

$$T(n) = \pi(n-2) + \log(n-2) + \log(n-2) + \log(n-2) + \log(n-2)$$

$$T(n) = \pi(n-2) + \log(n-2) + \log(n-2) + \log(n-2)$$

$$T(n) = \pi(n-2) + \log(n-2) + \log(n-2) + \log(n-2)$$

$$T(n) = \pi(n-2) + \log(n-2) + \log(n-2) + \log(n-2)$$

$$T(n) = \pi(n-2) + \log(n-2)$$

$$T(n) = \pi(n-2$$