3.85
102

$T_0 = 1$, $T_1 = \frac{1}{2}n$, $T_2 = \frac{1}{4} \cdot \frac{n(n-1)}{2}$

$n = 1 + \frac{n^2-n}{8}$ → $n^2 - 9n + 8 = 0$

~~$n = 1$~~

$n = 8$

$T_{k+1} = \binom{8}{k} x^{\frac{1}{2}(8-k)} \left(\frac{1}{2x^{1/4}}\right)^k$

$4 - \frac{1}{2}k - \frac{1}{4}k = 4 - \frac{3}{4}k$

מופע חזקה טבעית של x

$T_1 = \binom{8}{0} x^4 = x^4$

זה מתקבל עבור $K = 0, 4,$ ~~8~~

$T_5 = \binom{8}{4} \frac{1}{2^4} x = \frac{35}{8} x$