

$$\frac{3.82}{\approx 1}$$

$$2 \binom{n}{2} = 9900$$

$$n(n-1) = 9900 \rightarrow n = 100$$

$$\underline{\underline{n = -99}}$$

$$T_{121} = \binom{100}{k} 7^{\frac{100-k}{4}} 9^{\frac{k}{3}}$$

$0 \leq k \leq 100$   $n$   $k$   $!$   $9^{\frac{k}{3}}$   $7^{\frac{100-k}{4}}$

( $4$   $?$   $7^{\frac{100-k}{4}}$   $100$   $10$ )  $4$   $!$   $3$   $\rightarrow$   $7^{\frac{100-k}{4}}$   $k$   $!$   $3$

$0$   $+$   $7^{\frac{100-k}{4}}$   $100$   $38$   $\cdot$   $12$   $\rightarrow$   $7^{\frac{100-k}{4}}$   $k$   $!$   $3$

$\cdot$   $7^{\frac{100-k}{4}}$   $100$   $38$   $\cdot$   $12$   $\rightarrow$   $7^{\frac{100-k}{4}}$   $k$   $!$   $3$