

3.5
3

$$(x+1)^n \left(1 + \frac{1}{x}\right)^n = (x+1)^n \left(\frac{x+1}{x}\right)^n = \frac{(x+1)^{2n}}{x^n}$$

ajinap x^{n-1} le paspanak banj

$$T_{k+1} = \binom{2n}{k} x^{2n-k} \cdot 1^k$$

$$2n-k = n-1 \rightarrow \boxed{k = n+1}$$

$$T_{n+2} = \binom{2n}{n+1}$$

$$\binom{10}{6} = 210$$

$$n=5 \text{ } \rightarrow \text{ } 7108$$