

Mutassuk meg, hogy

$$\binom{n-1}{k} = \binom{n}{k} - \binom{n}{k-1} + \binom{n}{k-2} - \binom{n}{k-3} + \dots \pm \binom{n}{1} \mp \binom{n}{0}$$

és

$$\binom{n+1}{k} = \binom{n}{k} + \binom{n-1}{k-1} + \binom{n-2}{k-2} + \dots + 1.$$