

Bebizonyítandó, hogy

$$\binom{n}{0} \binom{n}{k} + \binom{n}{1} \binom{n}{k+1} + \binom{n}{2} \binom{n}{k+2} + \cdots + \binom{n}{n-k} \binom{n}{n} = \binom{2n}{n-k}.$$