

Based on the binomial property $\binom{k+1}{j+1} = \binom{k}{j} + \binom{k}{j+1}$ written as $\binom{k}{j} = \binom{k+1}{j+1} - \binom{k}{j+1}$ the sum of consecutive column entries of Pascal's triangle is written as a difference of two binomial coefficients in the next column, which generalizes the so-called hockey stick identities.