Squares in Pascal's Triangle

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$\sum_{k=0}^{n} \binom{n}{k}^2 = \binom{2n}{n}$: Sum of squares of entries in row n is the n^{th} term in the central column ($2n^{th}$ row)

Is there some way to "transform" one into the other, where the intermediate terms are all functions of entries of Pascal's triangle?

What is this thing? *Generated by Artbreeder*

Use the writeidea command to edit.