Title: A mysterious family of elementary combinatorial identities
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Abstract: This talk is about a family of combinatorial identities at the level of calculus;
for examples see page 21 of https://arxiv.org/pdf/2002.06455.pdf These identities are known,
and they are relatively easy to check numerically. However they are remarkably resistant to
direct proof. In this talk I will do my best to explain the origin of the identities and some of the
problems which they suggest.