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**Ira M Gessel\*** ([gessel@brandeis.edu](mailto:gessel@brandeis.edu)), Department of Mathematics, MS 050, Brandeis University, Waltham, MA 02454-9110. *Is Analysis Necessary?* Preliminary report.

Analytic techniques are often used to prove results, such as combinatorial identities, whose statement involves no analysis. I will discuss the question of whether analysis is really necessary to prove such results, with examples involving integration, residues, P-recursive sequences, and asymptotic series. (Received September 03, 2006)