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Joseph A Hundley* (jahundle@buffalo.edu), Department of Mathematics, 244 Mathematics Building, University at Buffalo, Buffalo, NY 14260. *Combinatorics in the constant term.*

We discuss the problem of showing that the initial Laurent coefficient of a Borel Eisenstein series is square integrable. By Langlands square integrability criterion, this translates to a more combinatorial problem about the various intertwining operators which make up the constant term. We describe some analytic and combinatorial results which, in certain special cases relevant to Arthur's unitarity conjecture for real groups, reduce the problem to finite number of checks, readily amenable to computer verification. (Received September 22, 2015)