

**Singer, Dan W.**

**A bijective proof of Garsia's  $q$ -Lagrange inversion theorem.** (English) [Zbl 0905.05085](#)

*Electron. J. Comb.* 5, Research paper R26, 34 p. (1998); printed version *J. Comb.* 5, 375-408 (1998).

The author uses two sign-reversing, weight-preserving involutions on Catalan trees to prove the  $q$ -Lagrange inversion theorem published by *A. M. Garsia* in [*Houston J. Math.* 7, 205-237 (1981; [Zbl 0481.05006](#))].

Reviewer: [D.M.Bressoud \(St.Paul\)](#)

**MSC:**

[05E99](#) Algebraic combinatorics

[05A17](#) Combinatorial aspects of partitions of integers

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