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Oregon, Eugene, OR 97403-1205. *Edelman-Greene insertion and the Little map.*

The Little map and the Edelman-Greene insertion algorithm, a generalization of the Robinson-Schensted correspondence, are both used for enumerating the reduced decompositions of an element of the symmetric group. We show the Little map factors through Edelman-Greene insertion and establish new results about each map as a consequence. In particular, we resolve some conjectures of Lam and Little. (Received September 17, 2013)