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Daniel Daly* (ddaly@du.edu), 2360 S. Gaylord St., Denver, CO 80208. *Reduced Decompositions with Few Repetitions and Permutation Patterns.*

A reduced decomposition of a permutation is a cycle decomposition using only cycles of the form $(i, i+1)$ which is minimal in length. Tenner, Stanley and others have started to connect the study of reduced decompositions with permutation patterns. We will discuss the pattern avoidance and containment conditions for permutations whose reduced decompositions have only one or two elements repeated and connections with the Bruhat order on the symmetric group. Time permitting we will also discuss some new counting results for such permutations. (Received September 12, 2008)