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Victor Reiner, Bridget Tenner* (bridget@math.depaul.edu) and **Alexander Yong**. *0-Hecke factorizations: a class of non-reduced words.*

Given a permutation $w \in S_n$, let $R(w)$ be the set of reduced words for w . The 0-Hecke monoid is generated by adjacent transpositions with the usual relations, with the exception that these generators are now idempotents instead of involutions. Thus a length- L' 0-Hecke word for w , with $L' > L$, is a non-reduced word for w .

We will show that for a class of permutations $\{w(k, a, b)\}$, the ratio of the number of length- $(L + 1)$ 0-Hecke words for w to the number of reduced words for w is $(L + 1)(k - 1)ab/(a + b)$. (Received August 06, 2015)