1033-05-252   **Alexander Burstein*** (`aburstein@howard.edu`), Department of Mathematics, Howard University, Washington, DC 20059, and **Niklas Eriksen** (`ner@math.chalmers.se`), Department of Mathematical Sciences, Chalmers University of Technology and, Göteborg University, SE-412 96 Göteborg, Sweden. *Combinatorial properties of permutation tableaux.* Preliminary report.

We give another construction of a permutation tableau from its corresponding permutation and construct a permutation-preserving bijection between 1-hinge and 0-hinge tableaux.

The map $irc = i \circ r \circ c$ (inverse of reversal of complement) is known to preserve almost all alignment and crossing statistics on permutation tableaux except for exchanging statistics A_{NE} and A_{EN}. For certain types of permutations, we give a bijection directly on tableaux that corresponds to irc on permutations. (Received September 12, 2007)