1070-05-219   **Greta Panova*** (`panova@math.harvard.edu`), One Oxford St Rm 431h, Cambridge, MA 02138.
Tableaux and plane partitions of truncated shapes.

We consider a new kind of straight and shifted plane partitions/Young tableaux — ones whose diagrams are no longer of partition shape, but rather Young diagrams with boxes erased from their upper right ends. We find formulas for the number of standard tableaux in certain cases, namely a shifted staircase without the box in its upper right corner and a rectangle with a staircase removed from the upper right end. The proofs involve interpretations and formulas for sums of restricted Schur functions and their specializations, some RSK tricks and residue calculus. (Received February 12, 2011)

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