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Enumeration of strong, standard, starred tableaux.

Schur functions are a basis for the ring of symmetric functions, one with many important algebraic and combinatorial properties. k -Schur functions are a basis for a certain subring of that ring and are turning out to be just as interesting. Many results involving Schur functions have analogues involving k -Schur functions. Standard strong marked tableaux play a role for k -Schur functions similar to the role standard Young tableaux play for Schur functions. I will discuss results and conjectures toward an analogue of the hook length formula. This is joint work with Matjaž Konvalinka. (Received September 17, 2013)