1062-05-32 **Cheyne P Homberger*** (cheyne42@ufl.edu), UF Department of Mathematics, 358 Little Hall, PO Box 118105, Gainesville, FL 32611. *The Expected Number of Distinct Maximal Minors of a Permutation.*

We establish a few results on the number of distinct patterns of size $(n-1)$ contained in a given n-permutation. In particular, we find a correspondence between these and the number of consecutive adjacent entries of a permutation. Using this, we are able to derive exact formulas for the expectation and variance for the number of such patterns contained in a random permutation of size n, and make a few generalizations about patterns of other sizes. (Received June 27, 2010)