1014-05-1392 Augustine B. O'Keefe\* (okeeab4@wfu.edu), Department of Mathematics, Wake Forest University, Winston-Salem, NC 27109, and Kenneth S. Berenhaut (berenhks@wfu.edu), Department of Mathematics, Wake Forest University, Winston-Salem, NC 27109. Bounds for Recurrences on Partially Ordered Sets.

In this talk we consider an extension of linear recurrences to recurrences on partially ordered sets. Some results on growth rates in the linear case are then extended to this generalized scenario. The work is motivated by some recent results on multi-dimensional recurrences which have had applications in obtaining bounds for complex multidimensional power series. (Received September 28, 2005)