1022-05-104 **Mark Skandera*** (mas906@lehigh.edu), Lehigh University, Mathematics Department, Christmas-Saucon Hall, Bethlehem, PA 18015, and **Brendon Rhoades**. *On the Desarmenien-Kung-Rota basis for the polynomial ring in n^2 variables.* Preliminary report.

We show that the Desarmenien-Kung-Rota bideterminant basis of $\mathbb{C}[x_{1,1}, \ldots, x_{n,n}]$ is related to Lusztig's dual canonical basis by a unitriangular transition matrix. The proof employs a partial order, which we call *iterated dominance* on pairs of Young tableaux. (Received September 11, 2006)