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John T. Hird* (jthird@ncsu.edu), Department of Mathematics, Box 8205, NC State University, Raleigh, NC 27695-8205. *Codes of partitions.*

The Bernstein operators are a special set of vertex operators that can generate the Schur functions. We generalize the combinatorial object codes of partitions to codes of compositions and show how this relationship can help us understand the action of the Bernstein operators on Schur functions. We also show the analogous results and combinatorial objects for Schur Q-functions. (Received June 6, 2011)