

1077-05-1880 **Dennis Stanton*** (stanton@math.umn.edu), School of Mathematics, University of Minnesota,
206 Church St SE, Minneapolis, MN 55455. *The negative q -binomial.*

Interpretations for the q -binomial coefficient evaluated at $-q$ are discussed. A (q,t) -version is established, including an instance of a cyclic sieving phenomenon involving unitary spaces over finite fields. This is joint work with S. Fu, V. Reiner, and N. Thiem. (Received September 21, 2011)