1078-05-291 **Steven Klee***, UC Davis Department of Mathematics, One Shields Avenue, Davis, CA 95616. *h-vectors of small matroid complexes.*

In the 1970's, Stanley conjectured that the h-vector of a matroid simplicial complex is a pure O-sequence. We will present an explicit construction that proves Stanley's conjecture for all matroids of rank at most three and corank at most two. (Received December 12, 2011)