

Tyler Clark and Tom Richmond
Collections of Mutually Disjoint Convex Subsets of a Totally Ordered Set,
Fibonacci Quart. **48** (2010), no. 1, 77–79.

Abstract

We present a combinatorial proof of an identity for F_{2n+1} by counting the number of collections of mutually disjoint convex subsets of a totally ordered set of n points. We discuss how the problem is motivated by counting certain topologies on finite sets.