

Martin Griffiths

Expressions Arising From a Coin-Tossing Scenario Involving Pairs of Consecutive Heads,

Fibonacci Quart. **49** (2011), no. 3, 249–254.

Abstract

In this article we study a combinatorial scenario which generalizes the well-known problem of enumerating sequences of coin tosses containing no consecutive heads. It is shown how to derive formulas enumerating, for a fixed value of k , the sequences of length n containing exactly k distinct pairs of consecutive heads. We obtain both exact expressions and asymptotic relations.