

Abstract

This article is aimed at “The triangulation of convex polygons ” and “In the square street, the good path's move” (In the square street, one walks toward right, or upward, and does not surpass along the diagonal). Then the discussion is about the one to one correspondence between them.

First, we use the mathematical induction to prove that this corresponding relationship is one-to-one and onto. Then the number of triangulations of a convex polygon may be calculated by the number of good paths, which is much easier to get.

Key word: Triangulation , Good path , Catalan number

