## NOTES

EDITED BY DAVID J. HALLENBECK, DENNIS DETURCK, AND ANITA E. SOLOW

# The Problem of the Calissons 可知颂问题



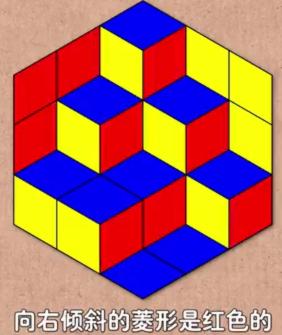
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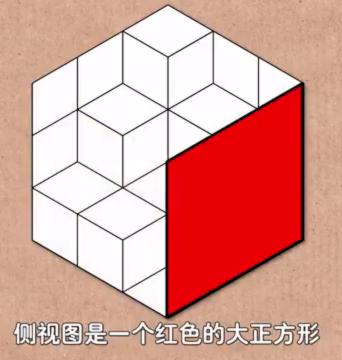
Departamento de Matemática, PUC/RJ, R. Marquês de São Vicente, 225, Rio de Janeiro, Brasil

A calisson is a French sweet that looks like two equilateral triangles meeting along an edge. Calissons could come in a box shaped like a regular hexagon, and their packing would suggest an interesting combinatorial problem. Suppose a box with side of length n is filled with sweets of sides of length 1. The long diagonal of each calisson in the box is parallel to one of three different lines, as in the picture.

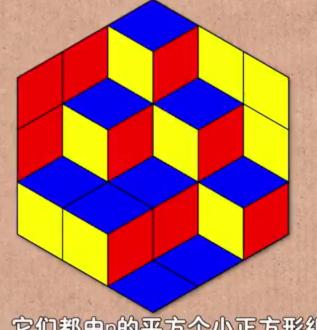




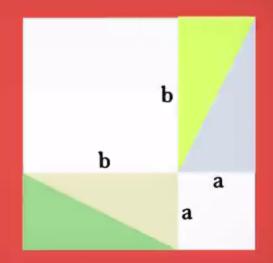
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并且 它们都由n的平方个小正方形组成 \*\*\*\* Lill Lill



此时 空出来的位置



### **运弯药制**:

The Problem of the Calissons—Guy David and Carlos Tomei Problem of calissons—Gábor Damásdi Proof without words—Wikipedia

### 积频素机:

Pythagorean theorem water demo--0000000130

How many ways are there to prove the Pythagorean theorem? - Betty Fei --- TED-Ed

How It's Made: Calissons——Science Channel

Ma recette de calisson d'Aix-Les secrets de Muriel

#### 背景音乐:

みかん箱 - ひやむぎ、そ一めん、时々うどん

