

# 简况

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AC 7题 , Rank 9th

## 总结与反思

**cmx**

**lpy**

**xsy**

## 题解

**A. Is Your System Safe?**

**B. Tiling Dominoes**

**C. Skating on Weiming Lake**

**D. Travel to Qomolangma**

**E. Walking Around the Country**

**F. A Simple Math Problem**

题意:

求解 $(7+4\sqrt{3})^n$ 的整数部分

题解:

$(7+4\sqrt{3})^n = x+y\sqrt{3}, (7-4\sqrt{3})^n = x-y\sqrt{3}$

$0 < (7 - 4\sqrt{3}) < 1, 0 < (7 - 4\sqrt{3})^n < 1 \Rightarrow x, y \sqrt{3}$  整数部分相差不超过1  
又  $x \in \mathbb{N}^+, [y\sqrt{3}] = x - 1, [(7 + 4\sqrt{3})^n] = 2x - 1$

\$在  $Z(\sqrt{3})$  空间上快速幂即可\$

by Hardict

## G. Go! Go! Go!

## H. Reverse K-th Problem


## I. Stairs of Tetris

## J. Pairs

## K. Lying Island

## 补题

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