

简况

[比赛链接](#)

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:

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

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

\$在 $Z(\sqrt{3})$ 空间上快速幂即可\$

G. Go! Go! Go!

H. Reverse K-th Problem

I. Stairs of Tetris

J. Pairs

K. Lying Island

补题

From:
<https://wiki.cvbbacm.com/> - CVBB ACM Team



Permanent link:
https://wiki.cvbbacm.com/doku.php?id=2020-2021:teams:alchemist:pku_campus_2017&rev=1588823074

Last update: 2020/05/07 11:44