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Presents for Cheffina

Problem Code: **PRESENTS**

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Chef has fallen in love with Cheffina, and wants to buy N gifts for her. On reaching the gift shop, Chef got to know the following two things:

- The cost of each gift is 1 coin.
- On the purchase of every 4^{th} gift, Chef gets the 5^{th} gift free of cost.

What is the minimum number of coins that Chef will require in order to come out of the shop carrying N gifts?

Input Format

- The first line of input will contain an integer T — the number of test cases. The description of T test cases follows.
- The first and only line of each test case contains an integer N , the number of gifts in the shop.

Output Format

For each test case, output on a new line the minimum number of coins that Chef will require to obtain all N gifts.

Constraints

- $1 \leq T \leq 1000$
- $1 \leq N \leq 10^9$

Sample Input 1

2
5
4

Sample Output 1

4
4

Explanation

Test case 1: After purchasing 4 gifts, Chef will get the 5^{th} gift free of cost. Hence Chef only requires 4 coins in order to get 5 gifts.

Test case 2: Chef will require 4 coins in order to get 4 gifts.

Author: [lavish_adm \(/users/lavish_adm\)](/users/lavish_adm)

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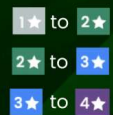
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Tags: lavish_admin, math, start36

Difficulty Rating: 757

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Date Added: 24-04-2022

Time Limit: 1 secs

Source Limit: 50000 Bytes

Languages: CPP17, PYTH 3.6, JAVA, C, CPP14, PYTH, PYP3, CS2, ADA, PYPY, TEXT, PAS fpc, NODEJS, RUBY, PHP, GO, HASK, TCL, kotlin, PERL, SCALA, LUA, BASH, JS, rust, LISP sbcl, PAS gpc, BF, CLOJ, R, D, CAML, swift, FORT, ASM, FS, WSPC, LISP clisp, SQL, SCM guile, PERL6, ERL, CLPS, PRLG, SQLQ, ICK, NICE, ICON, COB, SCM chicken, PIKE, SCM qobi, ST, NEM

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