

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

A. Cloudberry Jam

time limit per test: 2 seconds
memory limit per test: 512 megabytes

The most valuable berry of the Karelian forests is cloudberry. To make jam from cloudberries, you take equal amounts of berries and sugar and cook them. Thus, if you have 2 kg of berries, you need 2 kg of sugar. However, from 2 kg of berries and 2 kg of sugar, you will not get 4 kg of jam, as one might expect, but only 3 kg, since some of the jam evaporates during cooking. Specifically, during standard cooking, exactly a quarter (or 25%) of the jam evaporates.

How many kilograms of cloudberries are needed to prepare n 3-kilogram jars of jam?



Input

Each test consists of several test cases. The first line contains a single integer t ($1 \leq t \leq 10^4$) — the number of test cases. The following lines describe the test cases.

Each test case contains a single integer n ($1 \leq n \leq 10^8$) — the number of jars of jam that need to be prepared.

Output

For each test case, output a single integer — the amount of berries needed for the jam in kilograms.

Example

input	Copy
2 1 3	
output	Copy
2 6	

Note

For the test case 1, explanations are given in the text of the statement — to prepare 1 jar of jam, you need 2 kilograms of cloudberries.


Consider the test case 2: if we take 6 kilograms of berries and 6 kilograms of sugar, we get $\frac{(6+6) \cdot 3}{4} = 9$ kilograms of jam; which gives $\frac{9}{3} = 3$ jars of jam.

Educational Codeforces Round 177 (Rated for Div. 2)

System testing

100%

Contestant



→ Last submissions

Submission	Time	Verdict
313767098	Apr/03/2025 17:55	Accepted

→ Problem tags

No tags yet

No tag edit access

→ Contest materials

- Announcement 