

A. In Search of an Easy Problem

time limit per test: 1 second
 memory limit per test: 256 megabytes
 input: standard input
 output: standard output

When preparing a tournament, Codeforces coordinators try their best to make the first problem as easy as possible. This time the coordinator had chosen some problem and asked n people about their opinions. Each person answered whether this problem is easy or hard.

If at least one of these n people has answered that the problem is hard, the coordinator decides to change the problem. For the given responses, check if the problem is easy enough.

Input

The first line contains a single integer n ($1 \leq n \leq 100$) — the number of people who were asked to give their opinions.

The second line contains n integers, each integer is either 0 or 1. If i -th integer is 0, then i -th person thinks that the problem is easy; if it is 1, then i -th person thinks that the problem is hard.

Output

Print one word: "EASY" if the problem is easy according to all responses, or "HARD" if there is at least one person who thinks the problem is hard.

You may print every letter in any register: "EASY", "easy", "EaSY" and "eAsY" all will be processed correctly.

Examples

input	Copy
3 0 0 1	
output	Copy
HARD	

input	Copy
1 0	
output	Copy
EASY	

Note

In the first example the third person says it's a hard problem, so it should be replaced.

In the second example the problem is easy for the only person, so it doesn't have to be replaced.

Technocup 2019 - Elimination Round 1

Finished

Practice



→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest](#)

→ Clone Contest to Mashup

You can clone this contest to a mashup.

[Clone Contest](#)

→ Submit?

Language: Java 1.8.0_241

Choose file: [Choose File](#) No file chosen

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.

[Submit](#)

→ Last submissions



Submission	Time	Verdict
132657143	Oct/22/2021 03:49	Accepted
132657039	Oct/22/2021 03:44	Wrong answer on test 3

→ Problem tags

[implementation](#) *800

No tag edit access

[→ Contest materials](#)

- [Announcement \(ru\)](#) 
- [Tutorial](#) 

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The only programming contests Web 2.0 platform
Server time: Oct/21/2021 20:49:36^{UTC-4} (i2).
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