

A. Hulk

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

Dr. Bruce Banner hates his enemies (like others don't). As we all know, he can barely talk when he turns into the incredible Hulk. That's why he asked you to help him to express his feelings.

Hulk likes the Inception so much, and like that his feelings are complicated. They have n layers. The first layer is hate, second one is love, third one is hate and so on...

For example if $n = 1$, then his feeling is "I hate it" or if $n = 2$ it's "I hate that I love it", and if $n = 3$ it's "I hate that I love that I hate it" and so on.

Please help Dr. Banner.

Input

The only line of the input contains a single integer n ($1 \leq n \leq 100$) — the number of layers of love and hate.

Output

Print Dr. Banner's feeling in one line.

Examples

input	Copy
1	
output	Copy
I hate it	

input	Copy
2	
output	Copy
I hate that I love it	

input	Copy
3	
output	Copy
I hate that I love that I hate it	

Codeforces Round #366 (Div. 2)

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.

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You can clone this contest to a mashup.

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→ Submit?

Language: GNU G++17 7.3.0

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
63955309	Nov/01/2019 03:56	Accepted

→ Problem tags

[implementation](#) *600

No tag edit access



