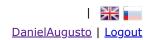
# HARBOUR SPACE UNIVERSITY



HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP DYTECHLAB CUP 2022

PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

#### B. 01 Game

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

Alica and Bob are playing a game.

Initially they have a binary string s consisting of only characters 0 and 1.

Alice and Bob make alternating moves: Alice makes the first move, Bob makes the second move, Alice makes the third one, and so on. During each move, the current player must choose two **different adjacent** characters of string s and delete them. For example, if s=1011001 then the following moves are possible:

- 1. delete  $s_1$  and  $s_2$ :  ${\bf 10}11001 \to 11001$ ; 2. delete  $s_2$  and  $s_3$ :  ${\bf 10}11001 \to 11001$ ; 3. delete  $s_4$  and  $s_5$ :  $101{\bf 10}01 \to 10101$ ;
- 4. delete  $s_6$  and  $s_7$ :  $10110\mathbf{01} o 10110$ .

If a player can't make any move, they lose. Both players play optimally. You have to determine if Alice can win.

#### Input

First line contains one integer t ( $1 \le t \le 1000$ ) — the number of test cases.

Only line of each test case contains one string s (1  $\leq$   $|s| \leq$  100), consisting of only characters 0 and 1.

#### Output

For each test case print answer in the single line.

If Alice can win print DA (YES in Russian) in any register. Otherwise print NET (NO in Russian) in any register.

#### Example



#### Note

In the first test case after Alice's move string  $\boldsymbol{s}$  become empty and Bob can not make any move.

In the second test case Alice can not make any move initially.

In the third test case after Alice's move string s turn into 01. Then, after Bob's move string s become empty and Alice can not make any move.

# Educational Codeforces Round 90 (Rated for Div. 2) Finished Practice

To the

### → Virtual participation

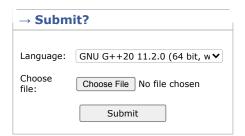
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Start virtual contest

# → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest





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