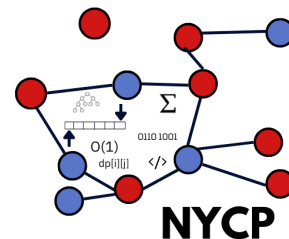


Task 2: Nanyang Cheer!

Input file: standard input
Output file: standard output
Time limit: 1 second
Memory limit: 256 megabytes



Hey Nanyang! X2

— Branda Coke, *President of NYJC Student Council*

NSGs is approaching soon. In order to facilitate cheering for our sports team, the Nanyang Junior College Student Council has decided to use encoded commands with numbers from 1 to 3 representing a word in our cheer!

The table of NYSCII (Nanyang Standard Code for Information Interchange) is as followed:

Code	Word
1	Hey
2	Ho
3	Nanyang

As a proud student of Nanyang Junior College, Write a program to follow student council's command accurately and precisely.

Input

Your program must read from standard input.

The line of input contains exactly 2 space-separated integers, a and b , representing the commands the student council send to student on the stand.

Output

Your program must print to standard output. The output should contain exactly 2 space-separated words on the same line that correspond to the command given.

The output to each query should contain only a single integer. Do not print any additional text such as "Enter a number" or "The answer is".

Scoring

For all testcases, the input will satisfy the following bounds:

- $1 \leq a, b \leq 3$

Your program will be tested on input instances that satisfy the following restrictions:

Subtask	Score	Additional constraints
0	0	Sample Test cases
1	100	—

Example

standard input	standard output
1 3	Hey Nanyang