

Problem H

1 2 Hop!

Submit File : hop.exe | hop.class
Input File : hop.in
Output File : hop.out
Time Limit : 1 second

Problem Description

Lie is a good kindergarten's teacher. He has taught the children to count numbers from 1 to 9 using a simple game. Here is the game:

Lie will say a number to the children. For the number that he says, he wants the children to count from 1 to N for N times, with every number N replaced by a yell "hop!" For example:

If he says 3, then the children will count: "1 2 hop! 1 2 hop! 1 2 hop!"

If he says 4, then the children will count: "1 2 3 hop! 1 2 3 hop! 1 2 3 hop! 1 2 3 hop!"

However if he says any number larger than 9, then the children will shout: "what?"

Now, write a program to simulate Lie's teaching. You should do it FAST or other contestants will beat you.

Input Specification

The first line of input contains an integer T , the number of test cases follow.

Each test case contains a single integer N ($1 \leq N \leq 20$), the number that Lie says.

Output Specification

For each case, print the children's yelling in a single line. Each counting should be separated by a single space (see output example).

Sample Input	Output for Sample Input
3	1 2 hop! 1 2 hop! 1 2 hop!
3	1 2 3 hop! 1 2 3 hop! 1 2 3 hop! 1 2 3 hop!
4	what?
15	