

Problem E

Gift Selector

Time limit: 3 seconds

Memory limit: 1024 megabytes

Problem Description

Many people have cool “lucky numbers” as part of their character settings. Showmaker thought that was really awesome and decided he wanted one too. He came up with the idea of using his partner’s birthday, 11 / 22, as inspiration. If he adds them up, that is $(11 + 22) = 33$, but he felt that number was too simple and not cool enough. Then he remembered their anniversary, 11 / 25. Since $25 = 5^2$, he decided to include 5 and 2 as factors as well! Therefore, Showmaker’s lucky number became: $(11 + 22) \times 5 \times 2 = 330$.

“That’s cool enough!” he thought. Now, Showmaker wants to pick a gift whose product number is a multiple of his lucky number, 330. That would make the gift even more meaningful and romantic!

However, since some product numbers can be extremely large, Showmaker needs your help to determine whether each given number is divisible by Showmaker’s lucky number.

Input Format

The input consists of multiple test cases. Each test case contains a single line, an integer n , representing the product number.

Output Format

For each test case, output: “nice gift” if n is divisible by Showmaker’s lucky number, or “skip” otherwise.

Technical Specification

- The number of digits in n ranges from 1 to 10,000.

Sample Input 1

990
331
3330
123

Sample Output 1

nice gift
skip
skip
skip

Almost blank page