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## Problem Prime or composite

Time Limit 1 second

Razaia and Alireza are school students. They have a homework to to check whether a number **N** is a prime number or composite or not.

Your task is to write a program to help them. **Input:**

First line contains an integer T ( $1 \leq T \leq 100$ ) which specifies number of test cases. Each test case contains one line each containing an integer N ( $1 \leq N \leq 10^9$ ). **Output:**

For each test case print “**prime**” where N is composite, print “**composite**” where N is not prime, otherways print “-”.

Example

**Input**

3

3

4

23

**Output**

prim

composite

prime