Problem A
Flashbang RGB II

Time limit: **3 seconds**
Memory limit: **1024 megabytes**

Problem Description

Morley is a professional color proofreader whose job is to ensure that the colors used in the company's product designs are appropriate.

Every day, Morley receives numerous color samples to review. However, after years of intense visual work, Morley absolutely hates seeing "overly blinding colors."

If the "blinding value" of a color exceeds 0.87, Morley will reject it without hesitation.

Tired of constantly receiving color flashbangs from colleagues, Morley wants your help to write a program that filters out any color with a blinding value greater than 0.87, so that he can finally review colors without hurting his eyes.

Each color is represented by three integers R, G, B (each between 0 and 255, inclusive). Let $r = \frac{R}{255}$, $g = \frac{G}{255}$, $b = \frac{B}{255}$, $C_{max} = \max\{r, g, b\}$ and $C_{min} = \min\{r, g, b\}$.

The blinding value is calculated as:

$$Blinding\ Value = S \times C_{max},$$

where

$$\begin{cases} S = 0, \text{if } C_{max} = 0 \\ S = \frac{(C_{max} - C_{min})}{C_{max}}, \text{otherwise} \end{cases}$$

Your task is given three binary strings representing R, G, B, determine whether the blinding value exceeds 0.87 or not.

Input Format

The first line contains an integer $T (1 \leq T \leq 10^5)$, the number of colors to be evaluated. Each of the following $T \times 3$ lines contains a binary string representing the value of R, G, B, respectively. Each binary string is guaranteed to be at exactly 8 characters long, representing an integer between 0 and 255 inclusive.

Hint: After reading three binary strings as input, convert each to an integer before performing calculations.

Output Format

For each color, print "`pending`" if its blinding value less than or equal to 0.87, otherwise print "`skip`"

(“`pending`” indicates that the color meets the standard and can be reviewed by Morley; “`skip`” indicates that the color is too blinding and should be filtered out.)

Technical Specification

- $1 \leq T \leq 10^5$
- Please use **double** for all calculations to avoid precision errors. Do not use **float**.

Sample Input 1

```
2
11111111
00000000
11111111
01110010
00110011
00101000
```

Sample Output 1

```
skip
pending
```