

Problem E: Missing Contests

Filename: missing

Time limit: 1 second

Points: 5

As you are well aware, there are programming contests almost every Friday for COP 4516. In previous years of this class, there was another contest given right before the final exam on Binary Indexed Trees (BITs). Since more emphasis was placed on other units taught, it was not held this year.

UCF (and most other universities who offer a competitive programming course) expects a certain percentage of contests to be given out of the total number of units taught. Since all other contests were held, COP 4516 fulfilled this requirement. However, other universities may not have fulfilled their requirements.

The Problem

Given a course's number of units, administered contests, and the university's minimum percentage requirement, write a program to determine whether the course met the university's requirement.

The Input

The first line of input will contain a single integer t ($1 \leq t \leq 100$), representing the number of input cases to process.

The first and only line of each input case will contain 3 integers n , m , and p ($1 \leq m \leq n \leq 1,000$; $20 \leq p \leq 100$), representing the number of units in the course, number of contests administered, and the university's minimum percentage, respectively.

The Output

For each test case, on a line by itself, output 1 if the course fulfills its university's requirement. Otherwise, print 0.

Sample Input

```
3
10 8 75
17 6 60
15 12 80
```

Sample Output

```
1
0
1
```