12 Repeated Paints
5 points

Introduction

Welcome to 'The Color House,' a paint shop that features ten enchanting colors, each with a unique ID ranging from 0 to 9. The paints are stored in drawers, but they are a bit messy and can contain a variable number of paints including the possibility of repeated paint colors.

As a helpful worker at 'The Color House,' we need your magical coding skills to find out which paint color is the most popular in our drawers. Our aim is to ensure that we have enough of the favorite color in stock. Do not worry about possible ties because there will be always a single most popular and repeated paint color.

For instance, in the case of having just two drawers, if the first drawer has paints with IDs 0, 1 and 2. And the second drawer has paints with IDs 2, 2, 3, 4 and 5, then your program should reveal that the color with ID 2 is the most popular with three occurrences, considering all the paints from the drawers.

Unleash your coding magic and assist us in identifying the most repeated paint color at 'The Color House,' navigating the variable number of each paint and the chance of repeated colors within each drawer. And do not worry about possible ties because there will always be a unique most popular and repeated color paint.

Input

A single line with a variable number of drawers, each separated by a space. The content of each drawer is described by consecutive color paint ID's.

Output

The most repeated color paint ID.

Example 1

Input

```
12 222100 34401 001
```

Output

```
0
```

Example 2

Input

```
431 44420 3210 33213 03211
```

Output

```
3
```