Program to read date, month and year from the user and check whether it is magic date or not. Here are the rules for magic date.

1) mm*dd is a 1-digit number that matches the last digit in YYYY
2) mm*dd is a 2-digit number that matches the last two digits in YYYY
3) mm*dd is a 3-digit number that matches the last three digits in YYYY

Input Format

three int values

Constraints

no

Output Format

true or false

Sample Input 0

```
1-1-2001
```

Sample Output 0

```
true
```

Sample Input 1

```
5-2-2010
```

Sample Output 1

```
true
```

Sample Input 2

```
5-1-2010
```

Sample Output 2

```
false
```