Problem E
What is the day of week

Time limit: **3 seconds**

Memory limit: **1024 megabytes**

Problem Description

Dorris has finally agreed to go on a date with Jimmy, who has been pursuing her for quite some time. However, clever Dorris does not intend to make it that easy for him. To test whether Jimmy is truly boyfriend material, she adds a riddle to the date invitation:

"Let's have a romantic date on tomorrow's yesterday!"

This cleverly crafted riddle leaves Jimmy completely baffled, unable to decipher its meaning. As Jimmy's friend, you decide to lend him a hand by writing a program to help calculate the exact weekday Dorris intends for their date.

Write a program that, depending on the day of the week, determines the day Dorris wants to meet. Help Jimmy make it to his date on time!

Input Format

Your program is to read from standard input. The input contains several lines. The first line contains an integer $T(0 \le T \le 6$, 0 means Sunday, 1 means Monday, 2 means Tuesday, 3 means Wednesday, 4 means Thursday, 5 means Friday and 6 means Saturday), which presents the day of week of today. From the second line onwards, each line contains only one integer number num, num will only be $-1, 0 \, or \, 1$, which means yesterday, today and tomorrow, respectively.

Output Format

Your program is to write to standard output. Print exactly one line, containing a string that represents the day of the week when Dorris and Jimmy will go on a date. Please see the sample output.

Technical Specification

- $0 \le T \le 6$

- You may assuse all the input values are all integer numbers.

Sample Input 1

```
0
1
```

Sample Output 1

```
Monday
```

Sample Input 2

```
6
1
```

Sample Output 2

```
Saturday
```

```
0
-1
```