1. Which Month?

Problem Description

Write a program to input an integer(**A**) from user and print the Ath month of the year.

Months : **January, February, March, April, May, June, July, August, September, October, November, December**

* Use short-hand if, elif and else.

Problem Constraints

```
1 <= A <= 12
```

Input Format

One line containing an integer integer **A**.

Output Format

One line containing the **Ath** month of the year.

Example Input

Input 1:

```
1
```

Input 2:

```
6
```

Example Output

Output 1:

```
January
```

Output 1:

```
June
```

Example Explanation

Explanation 1:

```
Clearly, January is the 1st month.
```

Explanation 2:

```
Clearly, June is the 6th month.
```

2. Pac-man

Problem Description

In this exercise, you need to implement some rules from Pac-Man, the classic 1980s-era arcade-game.

You have to answer whether the Pac-Man loses or not.

Your are given the following integer inputs (0 / 1) one in each line:

1. Does the Pac-Man have a power pellect active?

2. Is the Pac-Man touching a ghost?

The Pac-Man loses if it is touching a ghost and **does not** have a power pellet active.

Input Format

There are 2 lines in the input.
The first line indicates if the Pac-Man has a power pellet active (1 for yes, 0 for no)
The second line indicates if the Pac-Man is touching a ghost (1 for yes, 0 for no)

Output Format

Print 1 if the Pac-Man loses else 0.

Example Input

Input 1:-
```
0
1
```
Input 2:-
```
0
0
```

Example Output

Output 1:-
```
1
```
Output 2:-
```
0
```

3. Days In Month

Problem Description

You are given an integer **A**.

You have to tell how many days are there in the month denoted by **A** in a non-leap year.

Months are denoted as follows:

- January : 1
- February : 2
- March : 3
- April : 4
- May : 5
- June : 6
- July : 7
- August : 8
- September : 9
- October : 10
- November : 11
- December : 12

Problem Constraints

1 <= **A** <= 12

Input Format

The input contains a single integer **A**.

Output Format

Print a single integer denoting the number of days on a single line.

Example Input

Input 1:

```
1
```

Input 2:

```
11
```

Example Output

Output 1:

```
31
```

Output 2:

```
30
```

Example Explanation

Explanation 1:

```
Number of days in January(1) in a non-leap year = 31.
```

Explanation 2:

```
Number of days in November(11) in a non-leap year = 30.
```

4. Max of three

Problem Description

Write a program to input three numbers(**A, B & C**) from user and print the maximum element among A, B & C in each line. DO NOT USE ‘max()’ function.

Problem Constraints

```
1 <= A <= 1000000

1 <= B <= 1000000

1 <= C <= 1000000
```

Input Format

```
First line is a single integer A.
Second line is a single integer B.
Third line is a single integer C.
```

Output Format

```
One line containing an integer as per the question.
```

Example Input

Input 1:

```
5
6
7
```

Input 2:

```
1000
10000
100000
```

Example Output

Output 1:

```
7
```

Output 2:

```
100000
```

Example Explanation

Explanation 1:

```
Clearly, among 5, 6 and 7, 7 is maximum.
```

Explanation 2:

```
Clearly, among 1000, 10000 and 100000, 100000 is maximum.
```

5. Min of three

Problem Description

Write a program to input three numbers(**A, B & C**) from user and print the minimum element among A, B & C. DO NOT USE ‘min()’ function.

Problem Constraints

```
1 <= A <= 1000000

1 <= B <= 1000000

1 <= C <= 1000000
```

Input Format

```
First line is a single integer A.
Second line is a single integer B.
Third line is a single integer C.
```

Output Format

```
One line containing an integer as per the question.
```

Example Input

Input 1:

```
5
6
7
```

Input 2:

```
1000
10000
100000
```

Example Output

```
Output 1:-
5
Output 2:-
1000
```

Example Explanation

Explanation 1:

```
Clearly, among 5, 6 and 7, 5 is minimum.
```

Explanation 2:

```
Clearly, among 1000, 10000 and 100000, 1000 is minimum.
```

6. Music Certification

Problem Description

A programmer for a music company is developing a program to determine the **highest level of certification** for an album.
The program needs to follow this table of thresholds for each certification level:

Minimum albums sold	Certification
500000 ($5*10^5$)	gold
1000000 (10^6)	platinum
10000000 (10^7	diamond

Given the albums sold(N) as input, print the **certification** for the album.

Problem Constraints:

$1 <= N <= 10^9$

Input Format

There is only 1 single line in the input, which is the integer denoting the no. of albums sold.

Output Format

Output the certification either **diamond, platinum or gold.**
If no certification, print **None.**

Example Input

Input 1:-
```
50
```
Input 2:-
```
500000
```

Example Output

Output 1:-
```
None
```
Output 2:-
```
gold
```