- **EASY**
- **Max Score: 30 Points**

Power of X

You are given two numbers x and y, you are required to check if y can be obtained from x by raising x to some power or not. Print 1 if y can be obtained else print 0

Input Format

First line contains two space separated integers, x y

Output Format

Print 1 or 0 according to x and y.

Example 1

Input

2 8

Output

1

Explanation

2^3 **is equal to 8, so** 1 **is the output**

Example 2

Input

`1 8`

Output

`0`

Constraints

$1 \leq x \leq 10^3$

$1 \leq y \leq 10^8$

My code

```java
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
    Scanner s=new Scanner(System.in);
    int n=s.nextInt();
    int m=s.nextInt();
    int i=1,p=n;
```

```java
            if(n==1 && m!=1)
            {
                    System.out.print("0");
                return ;
            }
    while(i<=m)
      {

        if(i==m)
        {
                System.out.print("1");
                return;
        }
        else i=(i*p);
      }
          System.out.print("0");
      }
}
```