

Gaitonde's Wish

Problem Setter,Editorialist: Tapan Goyal

C++ Code:

```
/******  
 * Author : Tapan Goyal *  
 * MNIT JAIPUR, INDIA *  
*****/
```

```
#include <iostream>  
#include <vector>  
#include <string>  
#include <map>  
#include <bits/stdc++.h>  
#include <set>  
#include <cmath>  
#include <algorithm>  
#include <queue>  
#define pb push_back  
#define ll long long  
#define mp make_pair;  
using namespace std;  
ll i,j,_t;  
int main(){  
    ios_base::sync_with_stdio(false);  
    cin.tie(NULL);  
  
    ll a,b;  
    cin>>a>>b;  
    for(i=0;i<100;i++){  
        if (a>b){  
            cout<<i<<endl;  
            return 0;  
        }  
        a*=3;  
        b*=2;  
    }  
  
}
```

C Code:

```
/******  
 * Author : Tapan Goyal *  
 * MNIT JAIPUR, INDIA *  
*****/
```

```
#include<stdio.h>
```

```
int main() {  
    int a,b,i;  
    scanf("%d%d",&a,&b);  
    for(i=0;i<100;i++){  
        if (a>b){  
            printf("%d",i);  
            return 0;  
        }  
        a*=3;  
        b*=2;  
    }  
}
```

Python Code:

```
''''''''''''''''''''''''''''''''''''''''  
# Author : Tapan Goyal #  
# MNIT JAIPUR, INDIA #  
''''''''''''''''''''''''''''''''''''''''
```

```
a,b=map(int,input().split())  
for i in range(100):  
    if a>b:  
        print(i)  
        exit()  
    a*=3  
    b*=2
```