

```
1  #include<stdio.h>
2  int func(int a,int b)
3  {
4      int x,temp,max=0,count=1;
5      if(a>b)
6      {
7          temp=a;
8          a=b;
9          b=temp;
10     }
11     while(a<=b)
12     {
13         x=a;
14         while(x!=1)
15         {
16             if(x%2==0)
17                 x=x/2;
18             else
19                 x=x*3+1;
20             count++;
21             if(x==1)
22                 break;
23         }
24         if(count>max)
25             max=count;
26         count=1;
27         a++;
28     }
29     return max;
30 }
31 int main()
32 {
33     int i,j,result;
34     while(scanf("%d%d",&i,&j)==2)
35     {
36         result=func(i,j);
37         printf("%d %d %d\n",i,j,result);
38     }
39     return 0;
40 }
```