```c
//                    CONTEST B
#include<stdio.h>
int main()
{
    int i,j,n;
    while(scanf("%d %d",&i,&j) != EOF)
    {
        int max=0;
        printf("%d %d ",i,j);

        int temp = i>=j ? i : j;
        i = i>=j ? j : i;
        j=temp;
        while(i<=j)
        {
            n = i;
            int ans=1;
            while(n!=1)
            {
                n = n%2==0 ? n/2 : 3*n+1;
                ans++;
            }
            i++;
            max = ans>max? ans:max;
        }
        printf("%d\n",max);
    }
    return 0;
}
```