```java
Import java.io.*;

Import java.util.*;


Public class Solution {

    Public static int count(int n){

        Int count=0;

        While(n!=0){

            Count++;

            n/=10;

        }return count;

    }


    Public static void main(String[] args) {

        /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */

        Scanner sc=new Scanner(System.in);

        Int n=sc.nextInt();

        Int c= count(n);

        Int sq=n*n;


        Int a=sq %(int)Math.pow(10,c);

        If(a==n)

        System.out.println("Automorphic");

        Else

        System.out.println("Not Automorphic");
```

```
    }
}
```