import java.util.Scanner;

public class keith

{

public static void main(String[] args) {

Scanner sc = new Scanner( System.in );

System.out.print("Input a number: ");

int n = sc.nextInt();

int n1 = n;

String s = Integer.toString(n);

int d=s.length();

int arr[]=new int[n];

int i, sum;

for(i=d-1; i>=0; i--)

{

arr[i]=n1 % 10;

n1=n1/10;

}

i=d; sum=0;

while(sum<n)

{

sum = 0;

for(int j=1; j<=d; j++)

{

sum=sum+arr[i-j];

}

arr[i]=sum;

i++;

}

if(sum==n)

System.out.println("Keith Number");

else

System.out.println("Not a Keith Number");

}

}