import java.util.Scanner;

public class DisariumNumber {

// Function to calculate the sum of digits raised to their respective positions

public static int calculateDigitPowerSum(int number) {

int sum = 0;

int position = 1;

while (number > 0) {

int digit = number % 10;

sum += Math.pow(digit, position);

position++;

number /= 10;

}

return sum;

}

// Function to check if a number is a Disarium number

public static boolean isDisariumNumber(int number) {

int digitPowerSum = calculateDigitPowerSum(number);

return digitPowerSum == number;

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

int num = scanner.nextInt();

if (isDisariumNumber(num)) {

System.out.println(num + " is a Disarium number.");

} else {

System.out.println(num + " is not a Disarium number.");

}

}

}