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import java.util.*;

public class Disarium {
    int num, size;
    static Scanner sc = new Scanner(System.in);

    Disarium(int nn) {
        num = nn;
        size = 0;
    }

    void countDigits() {
        int a = num;
        while (a != 0) {
            a = a / 10;
            size++;
        }
    }

    int sumofDigits(int n, int p) {
        return (n == 0) ? 0 : sumofDigits(n / 10, p - 1) + (int) Math.pow(n % 10, p);
    }

    void check() {
        if (num == sumofDigits(num, size))
            System.out.print("\n Disarium Number");
        else
            System.out.print("\n Not a Disarium Number");
    }

    public static void main(String[] args) {
        System.out.println("Input a Number");
        int m = sc.nextInt();
        Disarium x = new Disarium(m);
        x.countDigits();
        x.check();
    }
}
```