



## Special Number

An integer **N** is a special number if N can be expressed as a sum of an integer X and its reverse. The program must print if N is a special number or not.

### Boundary Condition(s):

$1 \leq N \leq 10^6$

### Input Format:

The first line contains N.

### Output Format:

The first line contains true or false.

### Example Input/Output 1:

Input:

22

Output:

true

Explanation:

Here N=22.

Consider X=**11**. The reverse is also **11**.

As  $11 + 11 = 22$ , N is a special number.

### Example Input/Output 2:

Input:

121

Output:

true

Explanation:

When X=**56**, the reverse is **65**.

$56 + 65 = 121$ . Hence 121 is a special number.

### Example Input/Output 3:

Input:

15

Output:

false

**Max Execution Time Limit: 50 millisecs**

Ambiance

Java ( 12.0)



```
1 import java.util.*;
2 public class Hello {
3
4     public static void main(String[] args) {
5         //Your Code Here
6
7         Scanner sc = new Scanner(System.in);
8
9         int n = sc.nextInt();
10
11         for(int i=1;i<n;i++){
12             if(i+
13                 Integer.parseInt(
14                     new StringBuilder(i+"").reverse().toString()
15                 )
16                 ==n){
17                 System.out.println("true");
18                 return;
19             }
20         }
21         System.out.println("false");
22
23     }
24 }
```

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Code did not pass the execution

Input:

22

Expected Output:

true

Your Program Output:

false

Save

Run