**Adam Number**

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Given a number N, write a program to check whether given number is Adam Number or not.  
**Adam number** is a number when reversed, the square of the number and the square of the reversed number should be numbers which are reverse of each other. Adam numbers upto 1000 are: 0, 1, 2, 3, 11, 12, 13, 21, 22, 31, 101, 102, 103, 111, 112 , 113, 121, 122, 201, 202, 211, 212, 221, 301, 311.  
  
**Input:**  
The first line of input contains a single integer T which denotes the number of test cases. Then T test cases follows. First line of each test case contains a single integer N.  
  
**Output:**  
For each test case print "YES" without quotes if N is an Adam number otherwise print "NO".  
  
**Constraints:**  
1<=T<=10000  
1<=N<=109  
  
**Example:  
Input:**  
2  
12  
14  
**Output:**  
YES  
NO

\*\*For More Examples Use Expected Output\*\*

Contributor: Harsh Agarwal

<http://practice.geeksforgeeks.org/problems/adam-number/0>

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package javaapplication250;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.math.BigInteger;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.Collections;

import java.util.HashMap;

import java.util.HashSet;

import java.util.LinkedHashSet;

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\* @author Administrador

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public class JavaApplication250 {

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

int n = Integer.parseInt(br.readLine());

int cuad = n\*n;

char[] char\_cuad\_n = String.valueOf(cuad).toCharArray();

String rev\_cuad\_n = "";

for(int i =char\_cuad\_n.length-1; i>=0; i--) {

rev\_cuad\_n += char\_cuad\_n[i];

}

if (rev\_cuad\_n.charAt(0) == '0')

{

System.out.println("NO");

continue;

}

int rcn = Integer.parseInt(rev\_cuad\_n);

char[] rev\_n = String.valueOf(n).toCharArray();

String s\_rev\_n = "";

for(int i = rev\_n.length -1; i>=0; i--) {

s\_rev\_n += rev\_n[i];

}

int rn = Integer.parseInt(s\_rev\_n);

int cuad\_rn = rn \* rn;

if(rcn == cuad\_rn) {

System.out.println("YES");

}else{

System.out.println("NO");

}

}

}

}