

Q1. Given an input, check whether the given numbers are Armstrong or not. An Armstrong number of three digits is an integer such that the sum of the cubes of its digits is equal to the number itself.

Input : Consists of 3 numbers in 3 Lines.

Output : Return in separate lines, TRUE if a number is Armstrong Number. FALSE if not.

Sample Input:

371
351
400

Sample Output:

TRUE
FALSE
FALSE

Note: Return TRUE and FALSE in Caps. Any other format is deemed incorrect.

Testcase 2

1634
8208
9474

TRUE
TRUE
TRUE

Testcase 3

15
9
360

FALSE
TRUE
FALSE

Testcase 4

60

90
153

Output
FALSE
FALSE
TRUE

Q2. Write a program to check whether the given input number is a palindrome or not.

Input : Consists of 3 lines consisting of 3 numbers.

Output : Return YES if a number is a palindrome. Return NO if not palindrome.

Sample Input:

121
111
50

Sample Output:

YES
YES
NO

Note : Please follow the output format. YES and NO must be in Caps.

Testcase 2

21
16461
99

NO
YES
YES

Testcase 3

43
11221

1000

Output

NO

NO

NO

Testcase 4

32

1661

1662

Output

NO

YES

NO