## CON\_LOOP\_Level2\_003

**Input Format** 

ADAM

Write a program to check whether the given number is an 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. Input: 12 Output: Adam Number Explanation: Square of 12 = 144 Reverse of 12 = 21 Square of 21 = 441 Now Square of 12 and square of reverse of 12 are reverse of each other. Therefore 12 is Adam number.

iiven a number
onstraints
≤ num ≤ 100000000
Output Format
rint ADAM or NOT ADAM
ample Input 0
12
ample Output 0