X - Prime or not

Given a positive integer N, check whether the number is prime or not.

**Input Format**

First and only line of input contains a integer - N.

**Constraints**

1 <= N <= 1012

**Output Format**

Print "Yes" if the number is prime, "No" otherwise.

**Sample Input 0**

11

**Sample Output 0**

Yes

**Explanation 0**

Self Explanatory