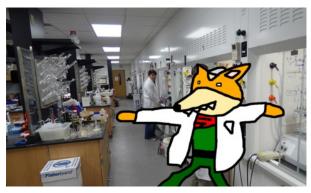
TLE '17 Contest 6 P1 - Molecules

Fax McClad, Croneria's most scientific bounty hunter, is funding research for more efficient fuel.

There are 26 different types of fuel molecules, labelled from $\ a$ to $\ z$. Two fuel molecules of different types can react to become energy, annihilating the molecules. Thus, a fuel molecule can be a part of at most one reaction.

Fax's scientists have just received a batch of fuel molecules represented by a string S. Is it possible for every fuel molecule to react?



Fax McClad in his research laboratory.

Input Specification

The first line of input will contain a single integer, |S| $(1 \leq |S| \leq 10^5)$, the length of S.

The second line of input will contain S, a string containing only characters $\ a$ to $\ z$, representing fuel molecule types.

Output Specification

Output Yes if all molecules can be reacted, output No otherwise.

Sample Input 1

4 abca

Sample Output 1

Yes

Sample Input 2

4 aaba

Sample Output 2

No