

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