Rajesh has two distinct secret codes **A** and **B** of size **N**. The codes are said to be Master Codes only if they become the same code by swapping one letter from code A and B. formally we can represent this as swap( A[i] , B[j] ) for any valid i and j eg: marm and farf are Master Codes as we can replace the first letter of marm with the fourth letter of farf resulting in both the codes becoming equal to farm If the two string are Master Codes Print “YES” else print “NO”.

**Input Format**

The first line contains a single integer N The second line has string A The third line has string B

**Constraints**

2<=N<=1000 Sring a and b contain only lowercase letters

**Output Format**

Print YES if the codes are Master Codes NO if they are not.

**Sample Input 0**

4

marm

farf

**Sample Output 0**

YES

**Explanation 0**

The first letter of "marm" shall be swapped with the fourth letter of "farf" this operation gives us string A as "farm" and string B as "farm"

#include <cmath>

#include <cstdio>

#include <vector>

#include <iostream>

#include <algorithm>

#include <cstring>

using namespace std;

int main() {

int n,i,j,k=0;

cin>>n;

char a[n],b[n];

cin>>a>>b;

for(i=0;i<n;i++)

{

for(j=0;j<n;j++)

{

swap(a[i],b[j]);

//cout<<a<<" "<<b<<endl;

if(strcmp(a,b)==0)

{

//cout<<a<<" "<<b<<endl;

k=0;

break;

}

else

{

k=1; }

swap(a[i],b[j]);

}

}

if(k)

cout<<"NO";

else

cout<<"YES";

return 0;

}