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String Interleaving(p13)

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Problem

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Status: **Accepted**

Test Case #0



Test Case #1



Test Case #2



Test Case #3



Test Case #4

Submitted Code

Language: C++

Open in editor

```
1 // ABC
2 // DEF
3 // ADEBCF
```

```
4
5 // o/p=Yes
6
7
8
9 #include<string.h>
10 #include<bits/stdc++.h>
11 using namespace std;
12 bool isInterleave(string A,string B,string C)
13 {
14     if ((A.length() == 0 && B.length() == 0 && C.length() == 0))
15         return true;
16     if (C.length() == 0)
17         return false;
18
19     return ((C[0] == A[0]) && isInterleave(A.substr(1),B,C.substr(1))
20         || (C[0] == B[0]) && isInterleave(A,B.substr(1),C.substr(1)));
21 }
22
23 int main() {
24     string A, B, C;
25     cin>>A>>B>>C;
26     if(isInterleave(A,B,C))
27         cout<<"Yes"<<"\n";
28     else
29         cout<<"No"<<"\n";
30     return 0;
31 }
32
```