

```
1 package Example;
2
3 import java.util.Scanner;
4 import java.util.*;
5
6 public class SolutionOne {
7
8     /*public static boolean sameAlpha(String s1, String s2){
9         Map<Character, Integer> charMap = new HashMap<Character,
10         Integer>();
11         //System.out.println(charMap.get('c'));
12         for(char letter: s1.toCharArray()){
13             if(charMap.get(letter) ==null){
14                 charMap.put(letter, 1);
15             }
16             else{
17                 charMap.put(letter, charMap.get(letter)+1);
18             }
19         }
20         for(char letter: s2.toCharArray()){
21             if(charMap.get(letter) ==null ||
22             charMap.get(letter)==0){
23                 return false;
24             }
25             else{
26                 charMap.put(letter, charMap.get(letter)-1);
27                 if(charMap.get(letter)==0)
28                     charMap.remove(letter);
29             }
30         }
31         return charMap.isEmpty();
32     }*/
33
34     public static void iterate(char[] chars, int len, char[] build,
35     int pos, String str1, String str2, String str3) {
36         if((pos == len)) {
37             String word = new String build;
38             String finalStr = str1 + word + str2;
39             if(finalStr.contains(str3)) {
40                 System.out.println(finalStr.length());
41                 System.exit(0);
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42
43     }
44
45     return;
46 }
47 for(int i = 0; i < chars.length;i++) {
48     build[pos] = chars[i];
49     iterate(chars, len, build, pos+1, str1, str2, str3);
50 }
51 }
52
53 public static void main String[] args) {
54
55     Scanner s = new Scanner(System.in);
56     System.out.print("Enter first string: ");
57     String str1 = s.nextLine();
58     System.out.print("Enter second string: ");
59
60     String str2 = s.nextLine();
61     System.out.print("Enter third string: ");
62
63     String str3 = s.nextLine();
64
65     String finalStr = str1 + str2;
66     if(finalStr.contains(str3)) {
67         System.out.println(finalStr.length());
68     } else {
69         char[] chars = str2.toCharArray();
70         for(int i = 0; i < str3.length(); i++) {
71             int len = i;
72             iterate(chars, len, new char[len], 0, str1, str2,
73 str3);
74         }
75     }
76 }
77 }
78
79 }
80 }
```