

```

1 // [古老的密碼/Ancient Cipher](1/2)
2 #define IN "P08IN.txt"
3 #define OUT "P08OUT.txt"
4 //*****
5 #include <iostream>
6 #include <ctime>
7 using namespace std;
8 void redir(void);
9 //*****
10 /* Work Space*/
11 #include <algorithm>
12 #include <string>
13 //*****
14 int main(void)
15 {
16     redir(); //redirection
17 //*****
18 /* Work Space*/
19     char stringA[101], stringB[101]; //依題意
20     int countA[26], countB[26];
21     int len;
22     int i;
23     bool ans;
24
25     while(cin >> stringA){
26         cin >> stringB;
27
28         memset(countA, 0, sizeof(countA));
29         memset(countB, 0, sizeof(countB));
30
31         len = strlen(stringA);
32         for(i=0; i<len; i++){
33             countA[stringA[i] - 'A']++;
34             countB[stringB[i] - 'A']++;
35         }
36
37         sort(countA, countA+26); //sort A[0], A[1], ..., A[25]
38         sort(countB, countB+26); //sort B[0], B[1], ..., B[25]
39
40         ans = true;
41         for(i=0; i<26; i++){
42             if(countA[i] != countB[i]){
43                 ans = false;
44                 break;
45             }
46         }
47
48         cout << (ans ? "YES" : "NO") << endl;
49     }
50 //*****
51     freopen("CON", "r", stdin); //取消重新導向
52     freopen("CON", "w", stdout);
53
54     printf("Time used = %.2f\n", (double)clock()/CLK_TCK); //傳回程式目前為止執行的時間
55
56     system("pause");
57     return 0; //the end...
58 }
59
60
61
62
63

```

```
64 //[古老的密碼/Ancient Cipher](2/2)
65 void redir(void)
66 {
67     freopen(IN, "r", stdin);
68     freopen(OUT, "w", stdout);
69 }
70 //*****
71 /* Work Space*/
72 //Input(IN) Sample
73 /*
74 JWPUDJSTVP
75 VICTORIOUS
76 MAMA
77 ROME
78 HAHA
79 HEHE
80 AAA
81 AAA
82 NEERCISTHEBEST
83 SECRETMESSAGES
84 */
85
86 //Output(OUT)
87 /*
88 YES
89 NO
90 YES
91 YES
92 NO
93 */
```