```
1: // Longest Common Subword
 2:
 3: #include<stdio.h>
 4:
 5: int size(char A[]){
 6:
        int c=0, i=0;
 7:
        while(A[i]!='\0'){
 8:
             i=i+1;
 9:
             c=c+1;
10:
         }
11:
        return c+1;
12:
13:
        }
14:
15: int LCW(char A[], char B[]){
16:
         int LCW[size(A)][size(B)];
17:
         for(int r=0;r<size(A);++r)</pre>
18:
           LCW[r][size(B)-1]=0;
19:
         for(int c=0;c<size(B);++c)</pre>
20:
           LCW[size(A)-1][c]=0;
21:
22:
         int maxval=0;
23:
24:
        for(int c=size(B)-2;c>=0;--c){
25:
             for(int r=size(A)-2;r>=0;--r){
26:
                 if(A[r]==B[c])
                    LCW[r][c]=1+LCW[r+1][c+1];
27:
28:
                 else
29:
                     LCW[r][c]=0;
                 if(LCW[r][c]>maxval)
30:
31:
                    maxval=LCW[r][c];
             }
32:
33:
         for(int i=0;i<size(A);++i)</pre>
34:
35:
           for(int j=0;j<size(B);++j)</pre>
36:
37:
            printf("|%d ",LCW[j][i]);
38:
           printf("\n");
39: }
40:
        return maxval;
41:
42: }
43:
44:
45: int main(){
46:
        char A[]="secret";
47:
         char B[]="bisect";
48:
         int p=LCW(A,B);
        printf("\n ANS: %d",p);
49:
50: }
```