

<u>seleneal1996</u> — **●**





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CSES Problem Set

Substring Order I

TASK | SUBMIT | RESULTS | STATISTICS | HACKING

Submission details

Task:	<u>Substring Order I</u>
Sender:	seleneal1996
Submission time:	2021-12-15 06:04:39
Language:	C++17
Status:	READY
Result:	ACCEPTED

Test results

test	verdict	time	
#1	ACCEPTED	0.01 s	<u>>></u>
#2	ACCEPTED	0.01 s	<u>>></u>
#3	ACCEPTED	0.03 s	<u>>></u>
#4	ACCEPTED	0.03 s	<u>>></u>
#5	ACCEPTED	0.09 s	<u>>></u>
#6	ACCEPTED	0.10 s	<u>>></u>
#7	ACCEPTED	0.03 s	<u>>></u>
#8	ACCEPTED	0.10 s	<u>>></u>
#9	ACCEPTED	0.05 s	<u>>></u>

Compiler report

```
input/code.cpp: In function 'void calc(int)':
input/code.cpp:56:26: warning: unused variable '
     for(const auto& [c, v] : node[u].nxt){
input/code.cpp: In function 'int main()':
input/code.cpp:75:10: warning: ignoring return va
     scanf(" %s %lld", S, &K);
```

Code -

```
bits/stdc++.h
            std;
             ll;
      maxN = 1e5+5;
ll dp
```

String Algorithms

Counting Patterns Pattern Positions Distinct Substrings Repeating Substring String Functions Substring Order I

Your submissions

Substring Distribution

Substring Order II

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```
t len, link;
      map<char,int> nxt
13 vector<char> ans
14 cher S[maxN];
      N, sz, <mark>las</mark>t;
15
16 | 11 K;
17
       init(){
        node[0].len = 0;
        node[0].link = -1;
       sz = 1;
last = 0;
24
      extend(char c){
cur = sz++;
25
        node[cur].len = node[last].len + 1;
        (p != -1 && !node[p].nxt.count(c)){
29
            node[p].nxt[c] = cur;
           p = node[p].link;
        LT(p ===
          node[cur].link = 0;
            int q = node[p].nxt[c];
            (node[p].len + 1 == node[q].len) {
    node[cur].link = q;
                     clone = sz++;
                node[clone].len = node[p].len +
                node clone | ten = node p | ten = node clone | nxt = node q | nxt | node clone | link = node q | link | node p | nxt | c | node p | nxt | c | = clone |
                    p = node[p].link;
                node[q].link = node[cur].link = 
        ast = cur
       t calc(int u = 0){
       node[u].dp += node[v].dp;
61
       ans.push back(c);
               dfs(v, k-1)
```

```
main(
         scanf(" %s %lld", S, &K);
N = (imm) strlen(S);
         init();
                  i = 0; i < N; i++)
             extend(S[i]);
         calc()
82
         dfs(0, K-1);
83
         int M = (int) ans size();
for(int i = 0; i < M; i++)
    printf("%c", ans[i]);
printf("\n");</pre>
84
Share code to others
Test details -
Test 1
Verdict: ACCEPTED
                         input
ababbaaabbabaabaababa
 10
                                                 ②
                   correct output
 aaabbabaab
                                                 O
                     user output
aaabbabaab
                                                 O
Test 2
Verdict: ACCEPTED
 rmnxvouggsdgespsltsldcvkxtg
                                                 ③
                   correct output
 esps
                                                  ③
                     user output
 esps
                                                  ③
Test 3
```





