Practice Compete Jobs Rank Leaderboard

All Contests > APL-2017-WL10 > Search faster

Search faster

locked

by subhasis_

Problem Submissions Leaderboard Discussions

You already implemented basic string searching algorithms. If you observe closely you can see that sometimes there are patterns in the parrern_string which is to be searched. Exploit the observed pattern and implement O(n) searching algorithm.

Input Format

test_count
pattern_1_length text_1_length
pattern_1
text_1
...
...
pattern_n_length text_n_length
pattern_n
text_n

Constraints

1 < T, text_length, pattern_length <= 7000

Output Format

space separated matching indexes

> Note: Separate test case output should end with newline.

Sample Input 0

```
2
4 10
cccc
cccccccccc
7 10
sssssss
ssssssssss
```

Sample Output 0

```
0 1 2 3 4 5 6
0 1 2 3
```

Submissions: 54
Max Score: 60
Difficulty: Medium

Rate This Challenge:
☆☆☆☆☆

More

Current Buffer (saved locally, editable)

C++

```
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}

```

Line: 1 Col: 1

Upload Code as File

□ Test against custom input

Run Code

Submit Code

Contest Calendar | Interview Prep | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature