Solution 1 Solution 2 Solution 3

Our Solution(s)

Run Code

```
Your Solutions
```

Run Code

```
Solution 1
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3 #include <vector>
 4 #include <numeric>
 5 #include <algorithm>
 6 #include <unordered_map>
 7 #include <math.h>
 8 using namespace std;
10 vector<char> getNewPattern(string pattern);
11 int getCountsAndFirstYPos(vector<char> pattern,
12
                              unordered_map<char, int> *counts);
13
14 // O(n^2 + m) time | O(n + m) space
15 vector<string> patternMatcher(string pattern, string str) {
     if (pattern.length() > str.length()) {
16
17
       return vector<string>{};
18
19
     vector<char> newPattern = getNewPattern(pattern);
20
      bool didSwitch = newPattern[0] != pattern[0];
21
      \label{local_map} \verb"char", int> counts(\{\{'x', \, 0\}, \, \{'y', \, 0\}\});
22
      int firstYPos = getCountsAndFirstYPos(newPattern, &counts);
      if (counts['y'] != 0) {
23
24
        for (int len0fX = 1; len0fX < str.length(); len0fX++) {</pre>
25
          double lenOfY =
26
              ((double)str.length() - (double)lenOfX * (double)counts['x']
27
              (double)counts['y'];
28
          if (lenOfY <= 0 || fmod(lenOfY, 1) != 0) {</pre>
29
           continue;
30
31
          int yIdx = firstYPos * lenOfX;
```

string x = str.substr(0, lenOfX);
string y = str.substr(yIdx, lenOfY);

33

```
1 #include <vector>
2 using namespace std;
3
4 vector<string> patternMatcher(string pattern, string str) {
5    // Write your code here.
6    return {};
7 }
8
```

 Our Tests
 Custom Output
 Submit Code

Run or submit code when you're ready.

and the same of the same of the same of