AlgoExpert | Quad Layout | JavaScript | 14px | Sublime | Monokai | 00:00:

Our Solution(s)

Run Code

Solution 1

```javascript
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

// O(n^2 + m) time | O(n + m) space
function patternMatcher(pattern, string) {
  if (pattern.length > string.length) return [];
  const newPattern = getNewPattern(pattern);
  const didSwitch = newPattern[0] !== pattern[0];
  const counts = {x: 0, y: 0};
  const firstYPos = getCountsAndFirstYPos(newPattern, counts);
  if (counts['y'] !== 0) {
    for (let lenOfX = 1; lenOfX < string.length; lenOfX++) {
      const lenOfY = (string.length - lenOfX * counts['x']) / counts['
      if (lenOfY <= 0 || lenOfY % 1 !== 0) continue;
      const yIdx = firstYPos * lenOfX;
      const x = string.slice(0, lenOfX);
      const y = string.slice(yIdx, yIdx + lenOfY);
      const potentialMatch = newPattern.map(char => (char === 'x' ? x
      if (string === potentialMatch.join('')) {
        return !didSwitch ? [x, y] : [y, x];
      }
    }
  } else {
    let lenOfX = string.length / counts['x'];
    if (lenOfX % 1 === 0) {
      const x = string.slice(0, lenOfX);
      const potentialMatch = newPattern.map(char => (char === 'x' ? x
      if (string === potentialMatch.join('')) {
        return !didSwitch ? [x, ''] : ['', x];
      }
    }
  }
  return [];
}
```

Your Solutions

Run Code

Solution 1   Solution 2   Solution 3

```javascript
function patternMatcher(pattern, string) {
  // Write your code here.
}

// Do not edit the line below.
exports.patternMatcher = patternMatcher;
```

Our Tests

Custom Output

Submit Code

Run or submit code when you're ready.