# 最长公共子串

## 代码

function longestCommonSubstring(s1, s2) {  
 const dp = [];  
 let max = 0;  
  
 for (let i = 0; i < s1.length + 1; i++) {  
 dp[i] = Array(s2.length).fill(0);  
 }  
 for (let i = 1; i < s1.length + 1; i++) {  
 for (let j = 1; j < s2.length + 1; j++) {  
 if (s1[i - 1] === s2[j - 1]) {  
 dp[i][j] = dp[i - 1][j - 1] + 1;  
 max = Math.max(max, dp[i][j]);  
 }  
 }  
 }  
  
 return max;  
}  
  
function expect(actual) {  
 return {  
 toBe(expected) {  
 console.log(actual === expected, actual);  
 return expected === actual;  
 }  
 };  
}  
  
expect(longestCommonSubstring("hish", "fish")).toBe("ish".length);  
expect(longestCommonSubstring("fish", "hish")).toBe("ish".length);  
expect(longestCommonSubstring("lucider", "lucifer")).toBe("luci".length);  
expect(longestCommonSubstring("sasa", "fgdfrsa")).toBe("sa".length);  
expect(longestCommonSubstring("hulatang", "ata")).toBe("ata".length);