Contents

1 Section1

1.1 basic

```cpp
// c++ code
#include <bits/stdc++.h>
using namespace std;

int main() {
    // test comment
    cout << "test string\n";
}
```

2 DP

2.1 LCS

```cpp
#include <bits/stdc++.h>
#define IOS
    ios_base::sync_with_stdio(false);cin.tie(0);cout.tie(0);
using namespace std;
string s1, s2;
int dp[505][505];
int main(){
    IOS
    cin >> s1 >> s2;
    memset(dp, 0, sizeof(dp));
    int l1 = s1.size(), l2 = s2.size();
    for(int i = 1;i <= l1;i++){
        for(int j = 1;j <= l2;j++){
            if(s1[i - 1] == s2[j - 1]) dp[i][j] =
                dp[i - 1][j - 1] + 1;
            else dp[i][j] = max(dp[i - 1][j], dp[i][j
                - 1]);
        }
    }
    cout << dp[l1][l2] << '\n';

    return 0;
}
```