链接：<https://www.nowcoder.com/questionTerminal/c996bbb77dd447d681ec6907ccfb488a>  
来源：牛客网

class LCS {

public:

    int findLCS(string A, int n, string B, int m) {

        // write code here

        int table[n + 1][m + 1];

        for(int i = 0;i <= n;++i)table[i][0] = 0;

        for(int i = 0;i <= m;++i)table[0][i] = 0;

        for(int i = 0;i < n;++i){

            for(int j = 0;j < m;++j){

                if(A[i] == B[j])

                    table[i + 1][j + 1] = table[i][j] + 1;

                else {

                    table[i + 1][j + 1] = max(table[i][j + 1],table[i + 1][j]);

                }

            }

        }

        return table[n][m];

    }

};