## Contents

## 1 LCS

## 1.1

 ${\bf Longest~Common~Sequence 1BDCABA2ABCBDAB}\\ {\bf 4BCBA}$ 

## 1.2

}

```
dp[i][j] 1 1~i 2 1~j

1.3

if (s1[i] != s2[j])
    dp[i][j] = max(dp[i-1][j],dp[i][j-1]);
else {
    dp[i][j] = max(dp[i-1][j],dp[i][j-1]);
    dp[i][j] = max(dp[i][j],dp[i-1][j-1]+1);
```

1.4

