

HW10

- ▶ Due: Wed. of two weeks later. 23:59:59
- ▶ **No extension!**
- ▶ Filename: HW#_StuID.zip
 - Ex) HW3_Q123456.zip

HW1 0

- ▶ Longest common sequences problem:
 - Find the longest subsequence common to all input sequences.
- ▶ Requirements:
 - The input sequences are given in a input file
 - Read two sequences at a time and find longest common sequences.
 - Output the longest common sequences together with the lengths of them.

LCS Problem

- ▶ Input file name: input.txt
- ▶ Example input file:

3

happy

apple

XMJYAUZ

MZJAWXU

orientation

contribute

Example

- ▶ Input:

- XMJYAUZ
- MZJAWXU

- ▶ Output:

- 4, MJAU

- ▶ XM JYA UZ

- ▶ MZJ AWXU

Example

- ▶ Input:
 - orientation
 - contribute
- ▶ Output:
 - 4, onti,ontt,orie,orit