Programming assignment 10

Longest Common Subsequence

Input (Standard input)

> **In the first line, sequence A is given and in the second line, sequence B is given.**
> **Both sequences have at most 500 characters.**
> ***You must lexicographically sort input sequences in increasing order and set bigger one to x-axis and smaller one to y-axis.**

Output (Standard output)

> **Print the longest common subsequence.**
> **When the number in the left entry is the same as the number in the top entry, you must select the top entry.**

[Example]

Input	Output
abccdfecd abcdef	abcde

		A	b	c	c	d	f	e	c	d
	0	0	0	0	0	0	0	0	0	0
a	0	1	1	1	1	1	1	1	1	1
b	0	1	2	2	2	2	2	2	2	2
c	0	1	2	3	3	3	3	3	3	3
d	0	1	2	3	3	4	4	4	4	4
e	0	1	2	3	3	4	4	5	5	5
f	0	1	2	3	3	4	5	5	5	5

Description

1. File name must be Longest_common_sequence.cpp

2. Make a comment of your student ID, name and class in the first line of the source code.

> **ex) 2014601028_Honggildong_A**

3. Please keep the source code that you have submitted for some unexpected accident.