

[illegible]

ii. Fill out the last two rows in the table below:

		N	O	N	S	T	O	P
	0	1	2	3	4	5	6	7
R	1	1	2	3	4	5	6	7
O	2	2	1	2	3	4	5	6
U	3	3	2	2	3	4	5	6
N								
D								

iii. Fill-out the last two rows in the edit distance table below. (Here STEM is the complete second word. ME is the end of the first word. For example the first word could be NAME, TESTME).

		S	T	E	M
...
...	3	3	2	2	3
M					
E					

iv. Similar for other DP problems: be able to finish an iterative solution given a partial answer.

- b. Given the edit distance table (with the cost or the distance), add the retracing arrows for:
- all cells (this is a bit long for an exam, but may still be asked for a small example). Give the time and space complexity for this process.
 - only the cells visited to recover the solution choices.** Give the time and space complexity for this this process.
 - the last two rows.** Give the time and space complexity for this process.

		N	O	N	S	T	O	P
	0	1	2	3	4	5	6	7

R	1	1	2	3	4	5	6	7
O	2	2	1	2	3	4	5	6
U	3	3	2	2	3	4	5	6
N	4	3	3	2	3	4	5	6
D	5	4	4	3	3	4	5	6

- c. Similar for other DP problems: given the gain/cost solution, recover the **solution choices** that gave this optimal value.