	o next item
The minimum edit distance between the words deep and creepy is: 4	1/1 point
Correct That's correct. You need to replace d for c, which counts for 2, insert rand insert y.	
 Which of the following is a NOT VALID example of an edit string operation? INSERT a letter: 'aple'> 'apple' 	1/1 point
O DELETE a letter: 'cloack'> 'cloak'	
SWITCH a letter 'Lusca'> 'Lucas' REPLACE a letter 'Crayom'> 'Crayon'	
 Correct Switching a letter is a valid operation ONLY when switching adjacent letters! In this case there were two switches: switch s and c and after s and a. 	
Autocorrect is only sonlishla when dealing with missealled words	
Autocorrect is only appliable when dealing with misspelled words. False	1/1 point
False True	
Correct That's right, autocorrect can also be used for words that does not make any sense for a particular sentence. For instance, 'Happy birthday deer friends' is a correct spelled sentence, but the word 'deer' makes no sense it should be dear.	
4. Given the corpus:	1/1 point
"I am happy because I am doing quizzes."	
Based on this tiny corpus, consider the following sentence:	
"I sm very good at solving quizzes."	
Which of the following is true?	
It is not possible to decide a correction for the misspelled word "sm".	
 There is a unique correction for the misspelled word "sm". There is more than one possible candidate for a correction to the misspelled word "sm". 	
The corpus is too tiny, so it is not possible to build a probabilistic model for autocorrection.	
○ correct That's correct! The correction would be the word "am".	
5. About the probabilistic model defined in the lecture, select all that apply.	1/1 point
 Words with the same probability in the corpus will be equally likely to be candidates for a possible word correction. 	
Replacing a character costs more than deleting a character.	
○ Correct This is correct, replacing a word costs 2 whereas deleting it costs 1.	
$ extbf{ iny }$ is the number of times a word appear in a corpus and V is the corpus size, then the probability of the word w in the corpus is $P(w) = \frac{C[w]}{V}$.	
○ correct This is correct.	
The sentence "Happy birthday deer friends" would not have any word corrected in the model defined in the lecture.	
Correct This is correct. Since the model just looks at misspelled words, the above sentence would not be corrected.	
Suppose we build a distance matrix D for the following case:	0/1 point
Source: Pie> Target: Bye	
What is the value for D[3,2]?	
4	

$ \textbf{7.} \ \ \textbf{About the Minimum edit distance algorithm, select all that apply. Let D be the distance matrix, for two words of same size. The matrix size is n. }$	1/1 point	^
lacksquare D[0,i] > D[0,j] if $i>j.$		
Correct This is correct, the first line will always have increasing values as we move to the right because it is the cost from editing the null string.		
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $		
$\label{eq:definition} \begin{array}{l} \square \ D[i,j] = min(D[i-1,j] + \text{del_cost}, D[i,j-1] + \text{ins_cost}, D[i-1,j-1] + \text{rep_cost}) \end{array}$		
The algorithm avoids usage of brute force by implementing a dynamic programming approach.		
Ocrrect That's correct. Using previous computed cells to compute another one is a dynamic programming method.		
About the minimum edit distance, which of the following statement is not true?	1/1 point	
	A) A point	
It is used to evaluate similarity between two strings.		
It is used to check if a word is misspelled.		
It counts the minimum number of edits to transform one string into another.		
It is used to implement spelling correction, document similarity and machine translation.		
 Correct Correct! It is a measure between two strings and not a method to decide if a string is misspelled or not. 		
correct it is a measure server two strings and not a meaned to decide it a string is missipelied of not		
		-
O It is used to implement spelling correction, document similarity and machine translation.		•
 Correct Correct It is a measure between two strings and not a method to decide if a string is misspelled or not. 		
9. The minimum edit distance calculation is more computationally intensive if we have a big corpus.	1/1 point	
O True		
False		
Correct That's correct. The minimum edit distance depends only on the editing cost and the two words that are being considered and not on any corpus or vocabulary.		
10. Given the corpus "Autocorrect is a powerful tool and it is used on our computer."	1/1 point	
The value for $P(\mathrm{is})$ is:		
The answer should have two decimal places (rounding up, if necessary). For example: 0.88888 should be		
answered as 0.89.		
0.17		