The following question will ask you about the below context-free grammar, where S is the start symbol.

The following question will also ask you about the following four sentences.

Sentence 1: Cats run.

Sentence 2: Cats climb trees.

Sentence 3: Small cats run.

Sentence 4: Small white cats climb.

None of the four sentences

Of the four sentences above, which sentences can be derived from the above context-free grammar?

Only Sentence 1
Only Sentence 1 and Sentence 2
Only Sentence 1 and Sentence 3
Only Sentence 1 and Sentence 4
Only Sentence 1, Sentence 2, and Sentence 3
Only Sentence 1, Sentence 2, and Sentence 4

Only Sentence 1, Sentence 3, and Sentence 4

All four sentences

The following question will ask you about a corpus with the following documents.

Document 1: a a b c

Document 2: a c c c d e f

Document 3: a c d d d

Document 4: a d f

What is the tf-idf value for "d" in Document 3? * Round answers to two decimal places. Use the natural logarithm (log base e) when taking a logarithm.	1/1
0.00	
0.57	
0.69	
0.86	
2.07	
3.47	
6.00	

Smoothing allows Naive Bayes to be less "naive" by not assuming that evidence is conditionally independent.
 Smoothing allows Naive Bayes to turn a conditional probability of evidence given a category into a probability of a category given evidence.
 Smoothing allows Naive Bayes to better handle cases where there are many categories to classify between, instead of just two.
 Smoothing allows Naive Bayes to better handle cases where evidence has never appeared for a particular category.

1/1

Why is "smoothing" useful when applying Naive Bayes? *

From the phrase "must be the truth", how many word n-grams of length 2 *1/1

can be extracted?	
O 0	
O 1	
O 2	
3	
O 4	
5	
O 6	
<u> </u>	
O 17	
Comments, if any	
	<u></u>
	此表单是在 CS50 内部创建的。
	Google 表单