Gradiance Online Accelerated Learning

Zayd

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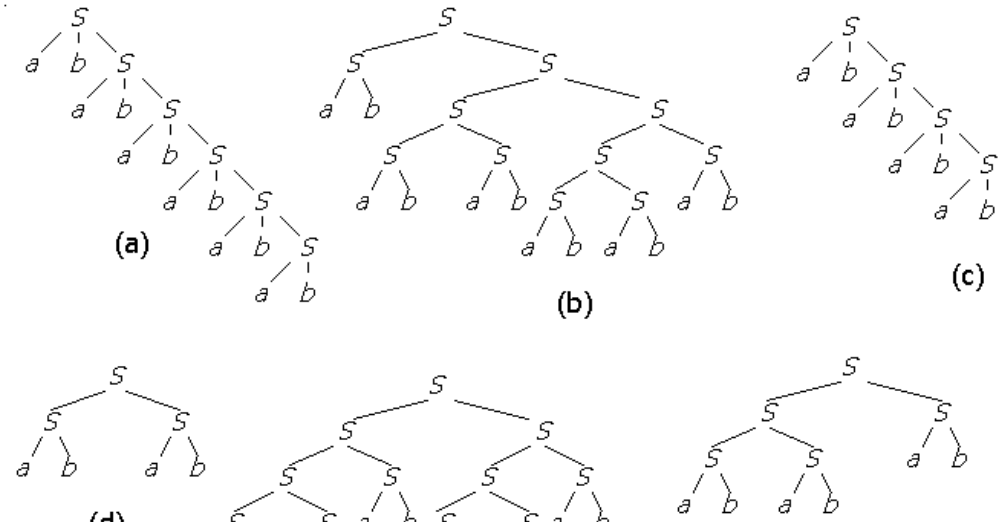
Help

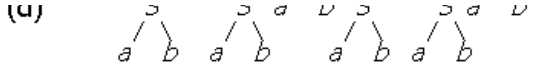
Submission number:	71318
Submission certificate:	FJ864318
Submission time:	2014-03-22 18:25:46 PST (GMT - 8:00)

Number of questions:	4
Positive points per question:	3.0
Negative points per question:	1.0
Your score:	12

These are questions based on Section 5.2 of HMU that were not selected for the main homework on the topic.

1. Consider the grammar: S → SS, S → ab. Identify in the list below the one set of parse trees which includes a tree that is NOT a parse tree of this grammar?





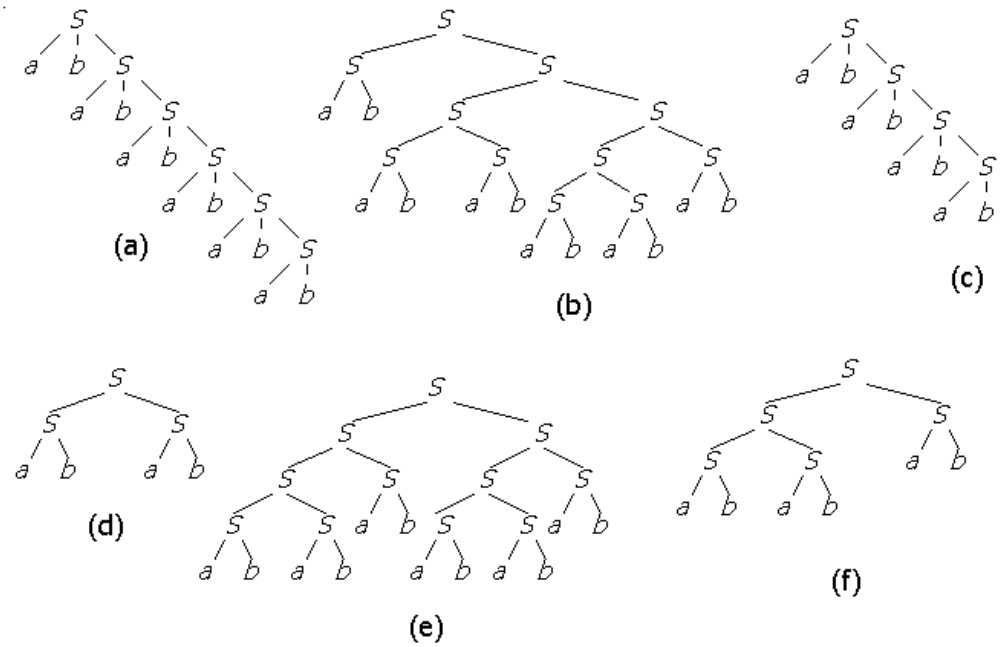
(e) (f)

a) {(c)}
b) {(d),(e)}
c) {(b),(d),(e)}
d) {(f),(e)}

Answer submitted: **a)**

You have answered the question correctly.

2. Consider the grammar G: S → abS, S → ab. Which of the following strings is a word of L(G) AND is the yield of one of the parse trees for grammar G in the figure below?



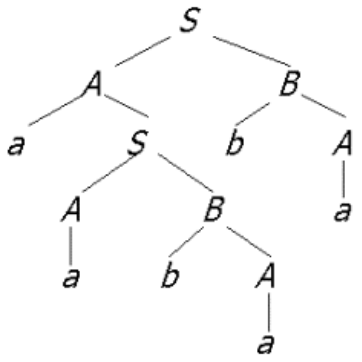
a) abababababab
b) abababab
c) ababS
d) ababab

Answer submitted: **a)**

You have answered the question correctly.

3. The parse tree below represents a leftmost derivation according to the grammar S → AB, A → aS | a, B →

3. The parse tree below represents a leftmost derivation according to the grammar `S → AB, A → aS|a, B → bA`.



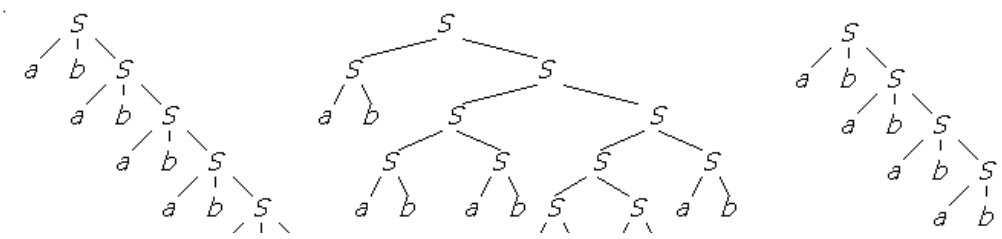
Which of the following is a left-sentential form in this derivation?

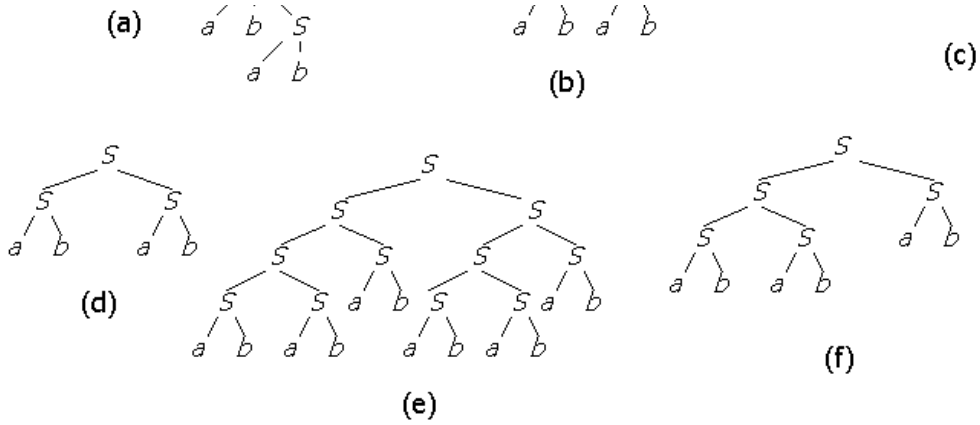
a) aSba
b) aabaB
c) AbA
d) aabAba

Answer submitted: **b)**

You have answered the question correctly.

4. Consider the grammar G: S → SS, S → ab. Which of the following strings is a word of L(G) AND is the yield of one of the parse trees for grammar G in the figure below?





a) abSS
b) abababababab
c) abab
d) ab

Answer submitted: **c)**

You have answered the question correctly.