Gradiance Online Accelerated Learning

Zayd

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Help

Submission number:	69051
Submission certificate:	EA388247
Submission time:	2014-03-15 20:58:01 PST (GMT - 8:00)

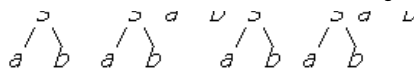|	
Number of questions:	4
Positive points per question:	3.0
Negative points per question:	1.0
Your score:	12

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?

(d)
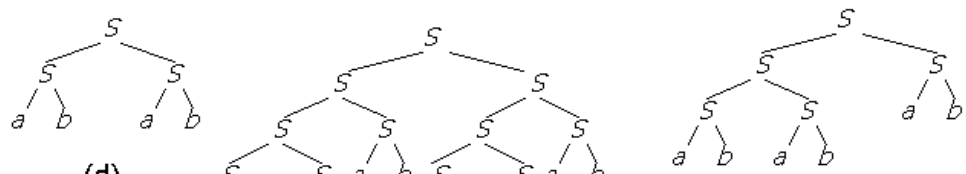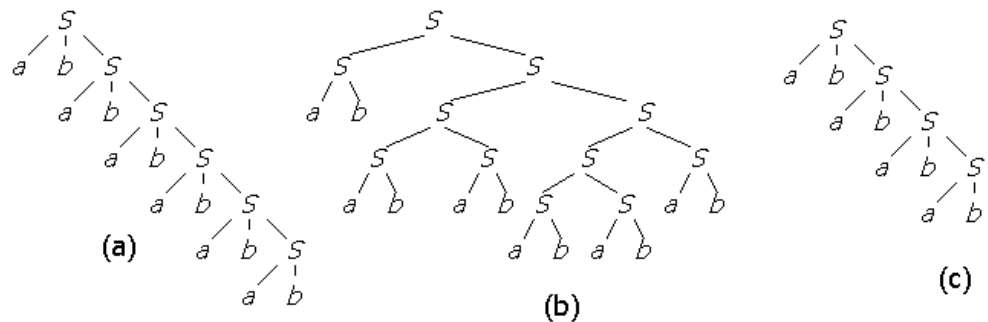
(f)

(e)

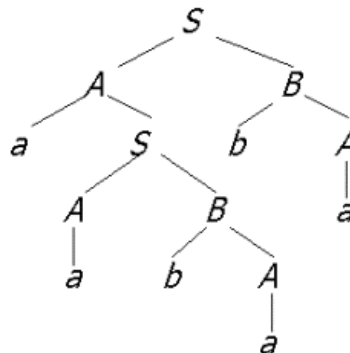a) {(b),(d),(e)}

b) {(e)}

c) {(b),(d)}

d) {(a),(d)}

Answer submitted: **d)**

You have answered the question correctly.

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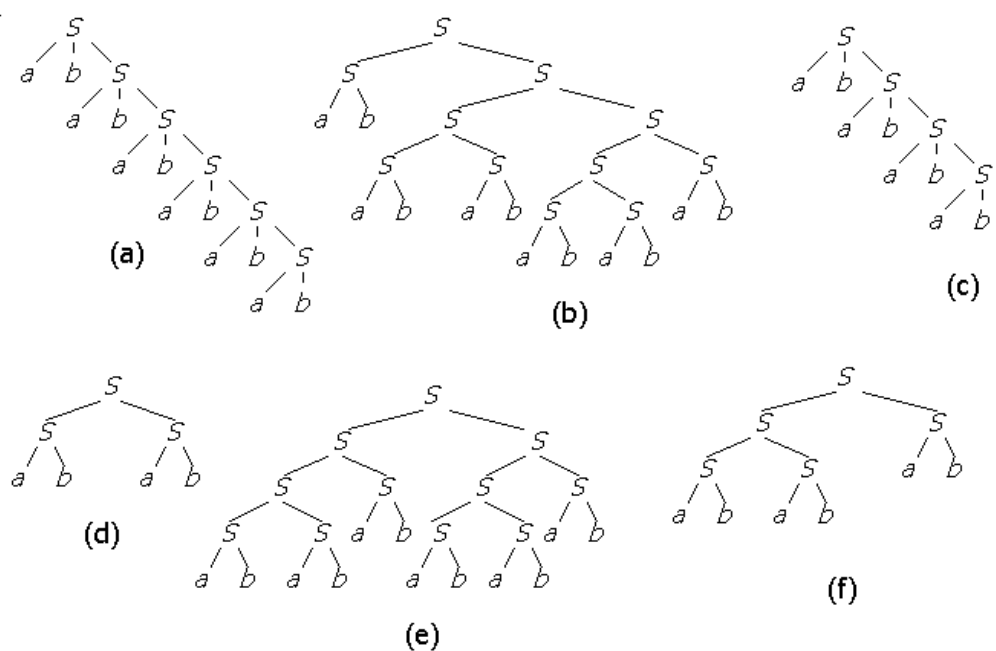

Which of the following is a left-sentential form in this derivation?

a) aABbA

b) aSbA

c) aabAB

d) aaBbA

Answer submitted: **c)**

You have answered the question correctly.

3. 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)

(b)

(c)
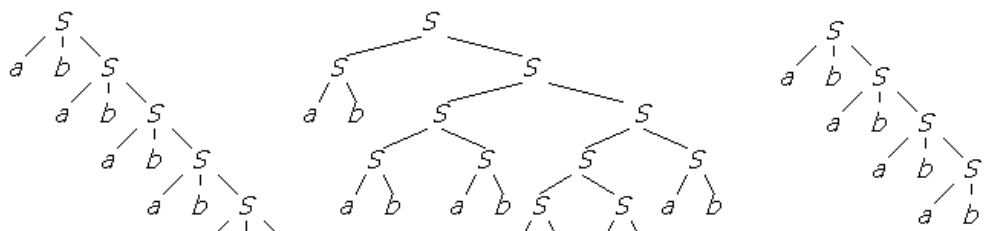
(d)

(e)

(f)

a) abababab

b) abSS

c) ab

d) abab

Answer submitted: **d)**

You have answered the question correctly.

4. 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?
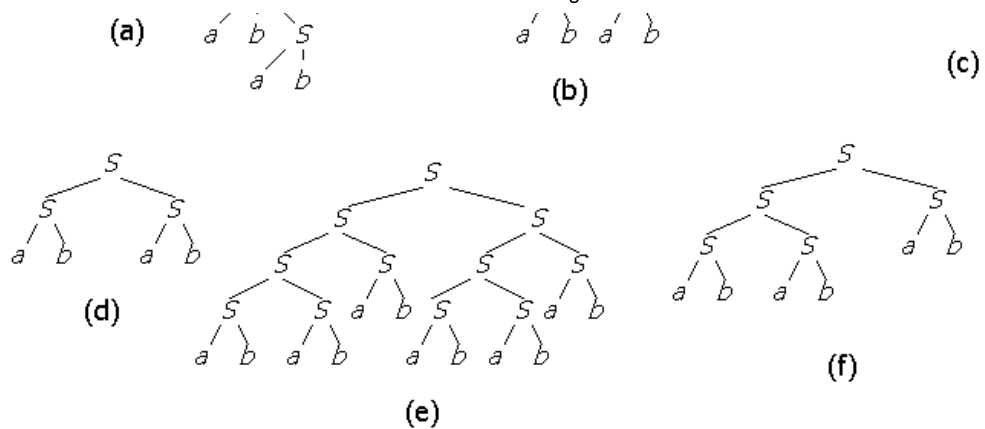
a)   ababab

b)   ababababababab

c)   abababab

d)   abab

Answer submitted: **c)**

You have answered the question correctly.