



Zayd

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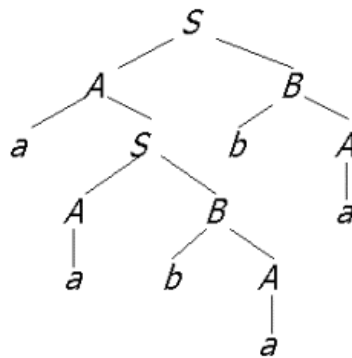
Submission number: 71244
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Submission time: 2014-03-22 17:12:03 PST (GMT - 8:00)

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.

[Help](#)

1. The parse tree below represents a leftmost derivation according to the grammar $S \rightarrow AB$, $A \rightarrow aS|a$, $B \rightarrow bA$.



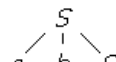
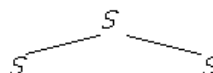
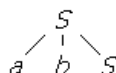
Which of the following is a left-sentential form in this derivation?

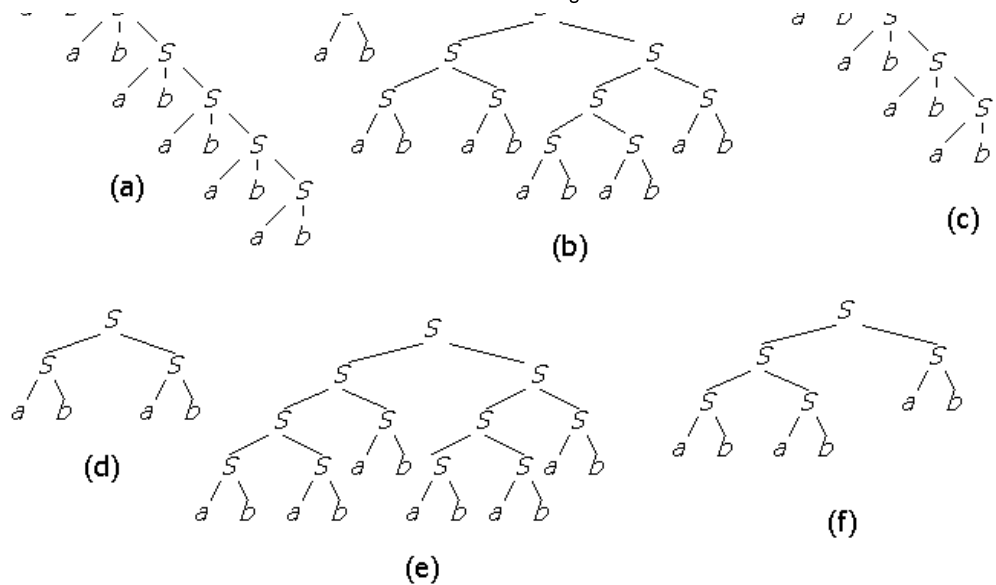
- a) aaBbA
- b) aABB
- c) AbA
- d) aSbA

Answer submitted: **b)**

You have answered the question correctly.

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



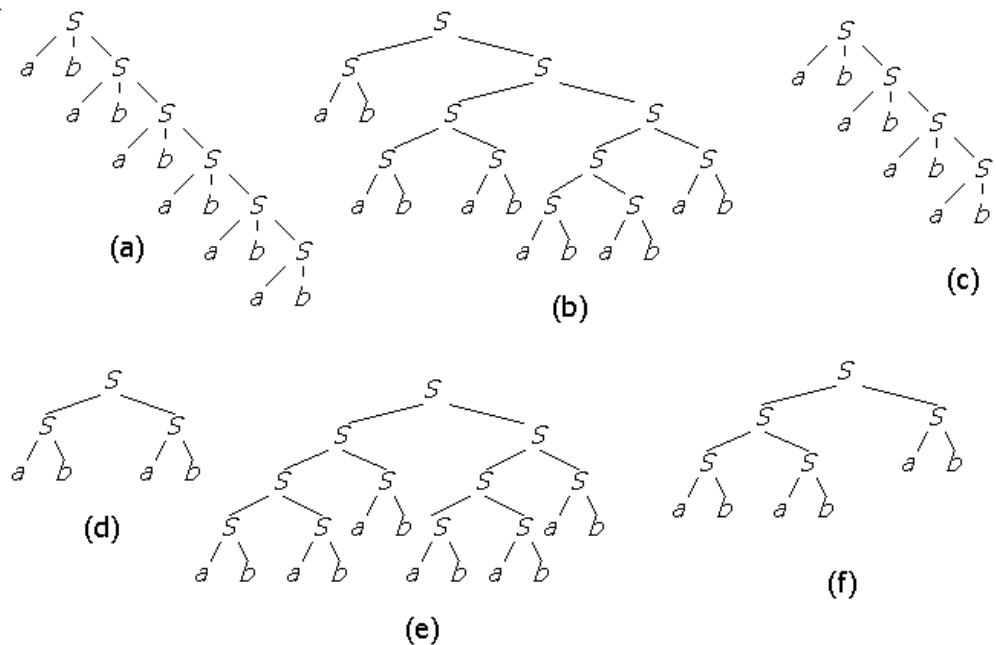


- a) $\{(f),(e),(d)\}$
- b) $\{(f),(e)\}$
- c) $\{(b)\}$
- d) $\{(a)\}$

Answer submitted: **d)**

You have answered the question correctly.

3. Consider the grammar $G: S \rightarrow abS, S \rightarrow ab$. 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?

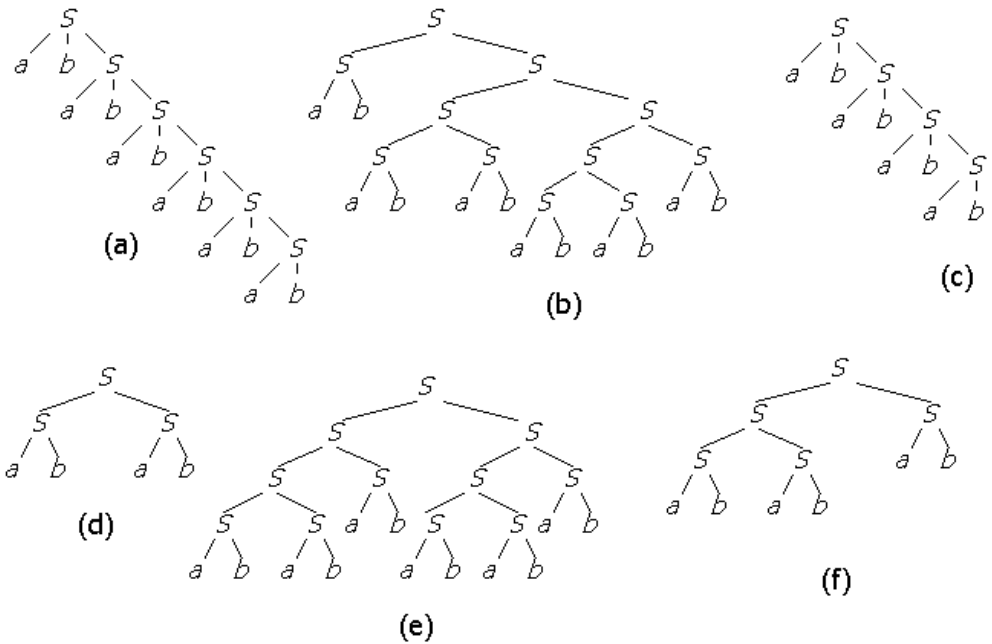


- a) abababab
- b) ababababababab
- c) ababS
- d) abab

Answer submitted: a)

You have answered the question correctly.

4. Consider the grammar $G: S \rightarrow SS, S \rightarrow ab$. 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) ababSabab
- d) abSS

Answer submitted: a)

You have answered the question correctly.