



Zayd

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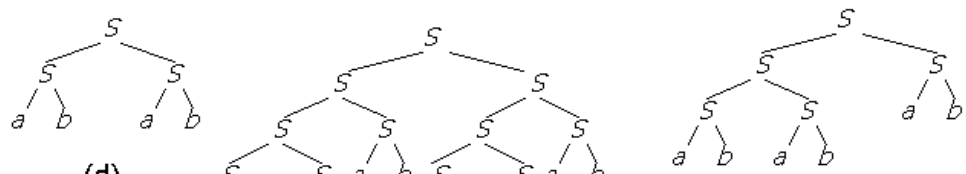
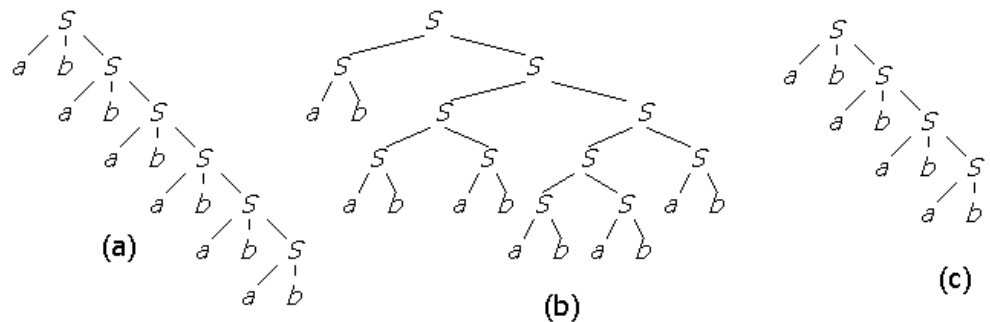
Submission number: 67790
Submission certificate: AI856778
Submission time: 2014-03-08 22:38:21 PST (GMT - 8:00)

Number of questions: 5
Positive points per question: 3.0
Negative points per question: 1.0
Your score: 15

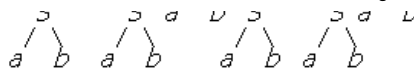
Selected questions on parse trees. Based on Section 5.2 of HMU.

[Help](#)

1. Which of the following is a parse tree for the grammar $S \rightarrow abS$, $S \rightarrow ab$?



(u)



(f)

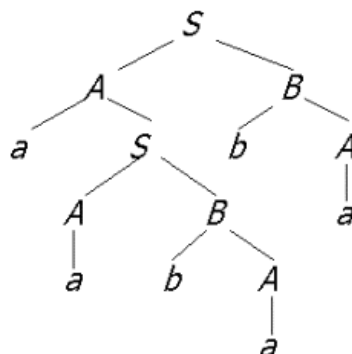
(e)

- a) (b)
- b) (a)
- c) (e)
- d) (f)

Answer submitted: **b)**

You have answered the question correctly.

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



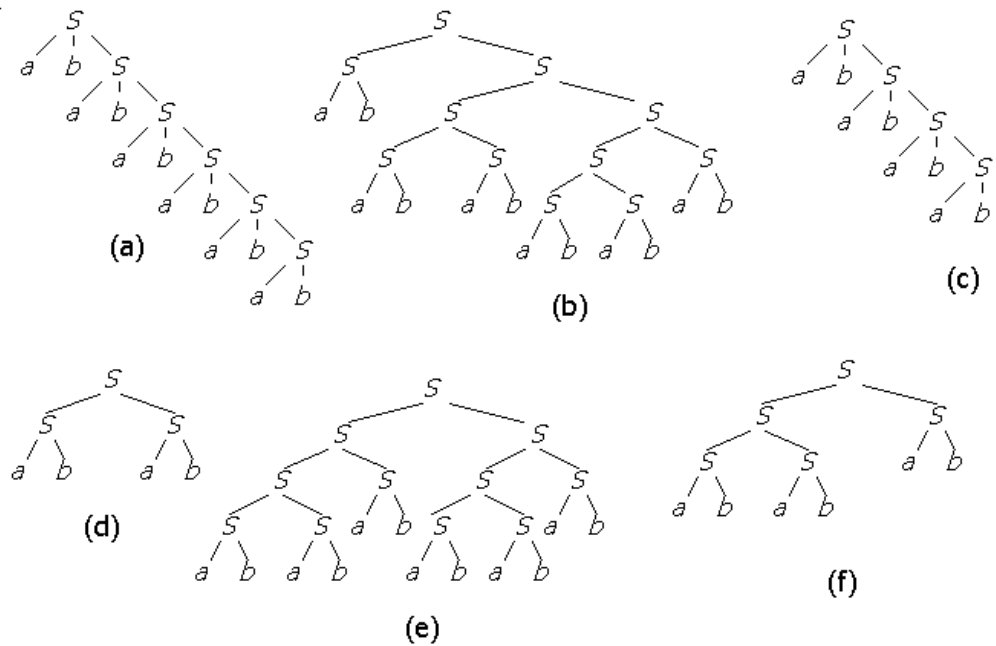
Which of the following is a right-sentential form in this derivation?

- a) aabAba
- b) aAbAba
- c) aaBB
- d) abaAba

Answer submitted: **b)**

You have answered the question correctly.

3. Which of the parse trees below yield the same word?

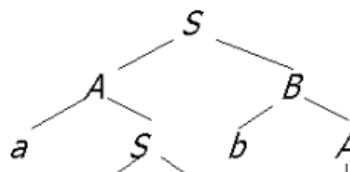


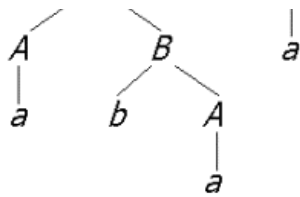
- a) c and f
- b) a and e
- c) d and f
- d) a and c

Answer submitted: **b)**

You have answered the question correctly.

4. Here is a parse tree that uses some unknown grammar G.





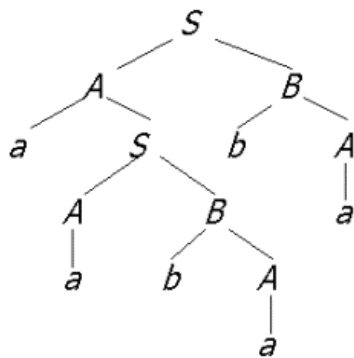
Which of the following productions is surely one of those for grammar G ?

- a) $B \rightarrow ba$
- b) $B \rightarrow b$
- c) $A \rightarrow a$
- d) $S \rightarrow aSbA$

Answer submitted: c)

You have answered the question correctly.

5. The following is a parse tree in some unknown grammar G :



Which of the following productions is **definitely not** a production of G ?

- a) $S \rightarrow CB$
- b) None of the other choices.
- c) $A \rightarrow aS$
- d) $S \rightarrow AB$

Answer submitted: b)

You have answered the question correctly.

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