Feedback — Quiz 1: Consensus Trees (manual)

You submitted this quiz on **Sun 14 Jul 2013 10:17 AM PDT**. You got a score of **3.00** out of **3.00**.

Question 1

- **Prepare bipartition table:**

  Prepare a bipartition table similar to the one shown below. You can either download and print the table using the link, or you can construct your own on a piece of paper, or in a computer file:

  Bipartition table: [Download link]

Bipartition							Bipartition count	Bipartition frequency
A	B	C	D	E	F	G		

- **Count bipartitions:**

  Based on the set of 7 input trees shown below, and using the method outlined in the video lecture, enter all observed bipartitions along with their counts in your bipartition table. When you have counted all bipartitions, convert the counts to frequencies (for instance: since there are 7 input trees, a count of 2 would correspond to a frequency of: *[Math Processing Error]*)

Input trees: [Download link]

- **Construct consensus tree:**

  Again, using the method outlined in the video lecture, construct a majority rule consensus tree, i.e., a consensus tree constructed from those bipartitions that are present in more than *[Math Processing Error]* of the input trees.

- **Question:** Which of the following bipartitions are present in more than *[Math Processing Error]* of the input trees (check all that apply). Note that we have here indicated bipartitions by listing the two groups of leaves that are present on either side of the internal branch separated by a hash sign. Also note that order is unimportant, meaning ABC # DEFG is the same as DEFG # ABC.

Your Answer		Score	Explanation
☐ DEG # ABCF	✔	0.12	
☑ FG # ABCDE	✔	0.12	
☐ CD # ABEFG	✔	0.12	
☐ AC # BDEFG	✔	0.12	
☑ AB # CDEFG	✔	0.12	
☐ ABC # DEFG	✔	0.12	
☐ EG # ABCDF	✔	0.12	
☑ EFG # ABCD	✔	0.12	
Total		1.00 / 1.00	

Question 2

- What is the frequency (not the count) of this bipartition in the set of input trees:

AC # BDEFG

You entered:

0.29

Your Answer		Score	Explanation
0.29	✔	1.00	
Total		1.00 / 1.00	

Question 3

- What is the frequency (not the count) of this bipartition in the set of input trees:

FG # ABCDE

You entered:

0.57

Your Answer		Score	Explanation
0.57	✔	1.00	
Total		1.00 / 1.00	