

## **Read:**

<http://for-the-love-of-trees.blogspot.com/2016/09/the-ancestors-are-not-among-us.html>

## **As needed:**

If you are not familiar with navigating the command line (Terminal/GitBash) please complete these tutorials by Michael Stonebank – <http://info.ee.surrey.ac.uk/Teaching/Unix/>  
Specifically,

- ▶ the introduction
- ▶ tutorial one,
- ▶ tutorial two,
- ▶ sections 5.1 and 5.2 of tutorial 5

## Homework #2

Draw an unrooted tree from the table of splits shown on the next page. The frequencies shown in the table represent bootstrap proportions. We'll cover bootstrapping later in the course – for now you can treat the “Freq” column as label for the branches. Start at the first row and add splits until you cannot add any more splits to the tree.

Make sure to label the leaves of the tree with the taxon number and the edges with the value found in the “Freq” column. Upload image to catcourses.

000000000111111	
123456789012345	Freq
.....*.*.*	100
.....**.....	99
.**.....*.	97
.....***.*.*	94
.....*.....*..	78
...*****.*	67
.**.....	61
.....*.*****.*	60
.....*...*	56
...*.*.....	41
.....*.*..	39
..*.....*.	37
.....*****.*	33

/end-of-homework