Does anybody know what this is asking.  
If I understand this right permutations would come up to 12, if not 6.

Thanks

Subject: Re: Data Structures #205  
Posted by matt.york on Tue, 30 Aug 2016 03:08:44 GMT

I think the permutation count will be lower than that. Taking a first insertion of 1 for example, we have only two permutations (1) -> (2) -> (3) and then (1) -> (3) -> (2), where two is inserted at the third level of the tree to the left of 3.

Hope this helps!

-Matt

Subject: Re: Data Structures #205  
Posted by jarobinson3 on Tue, 30 Aug 2016 05:06:17 GMT

The problem I have with it is that he just says binary trees, therefore anything can go in any order. Also, you only have two nodes.

There are two shapes:

(x)  (x)  
(y)  (y)

Here are six with the left child:

(1) (1) (2) (2) (3) (3)  
(2) (3) (1) (3) (1) (2)

However, we have repeats (if you think about permutations), here are two repeated trees:
From here you should be able to figure out the rest.