Subject: Data Structures #205  
Posted by gxu2 on Tue, 30 Aug 2016 01:27:49 GMT  
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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  
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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  
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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.