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Asslam-o-Alaikum! In this file we'll provide you CS301 quiz 3 2023 Important Finalterm MCQs. Must Prepare Before Finalterm Exams. Verify Answers yourself too. If you found mistake then inform me.

If you found mistake then let us know.

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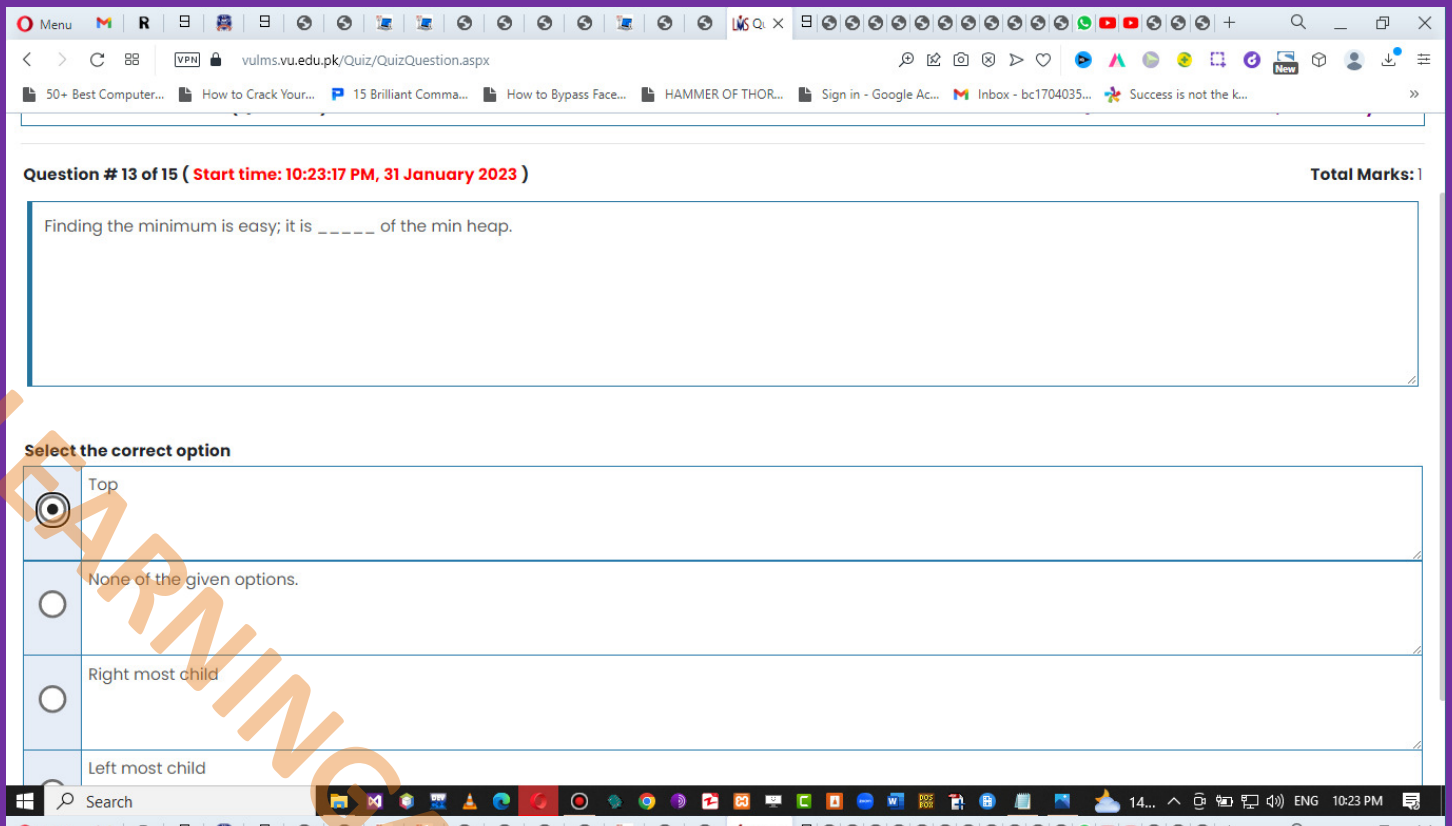
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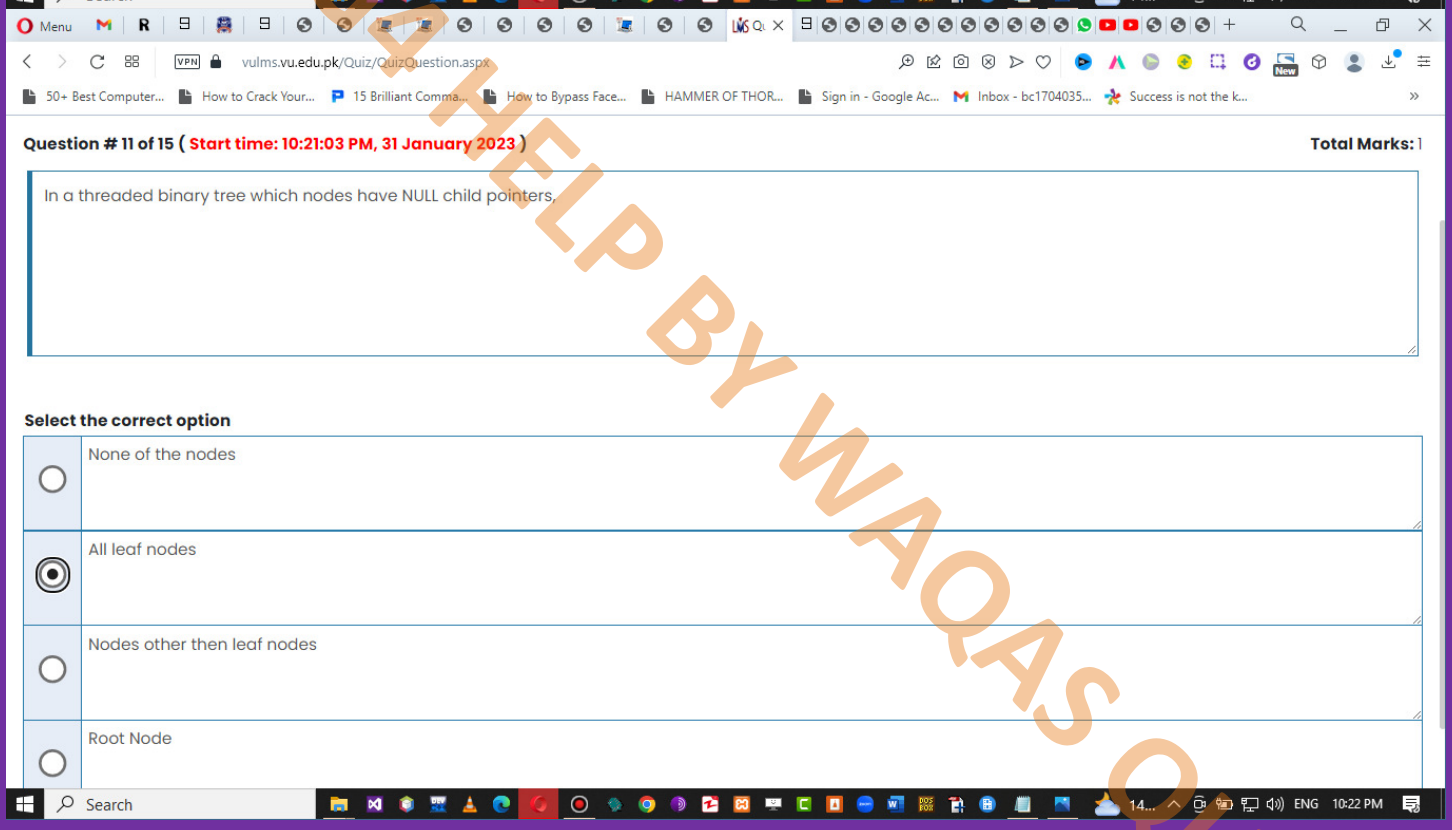
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Question # 9 of 15 (Start time: 10:18:50 PM, 31 January 2023) **Total Marks:** 1

For a perfect binary tree of height h, having N nodes, the sum of heights of nodes is _____.

Select the correct option

- N – 1 + h
- N – h – 1
- N – 1
- N – (h - 1)

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Consider a min heap, represented by the following array:
3,4,6,7,5

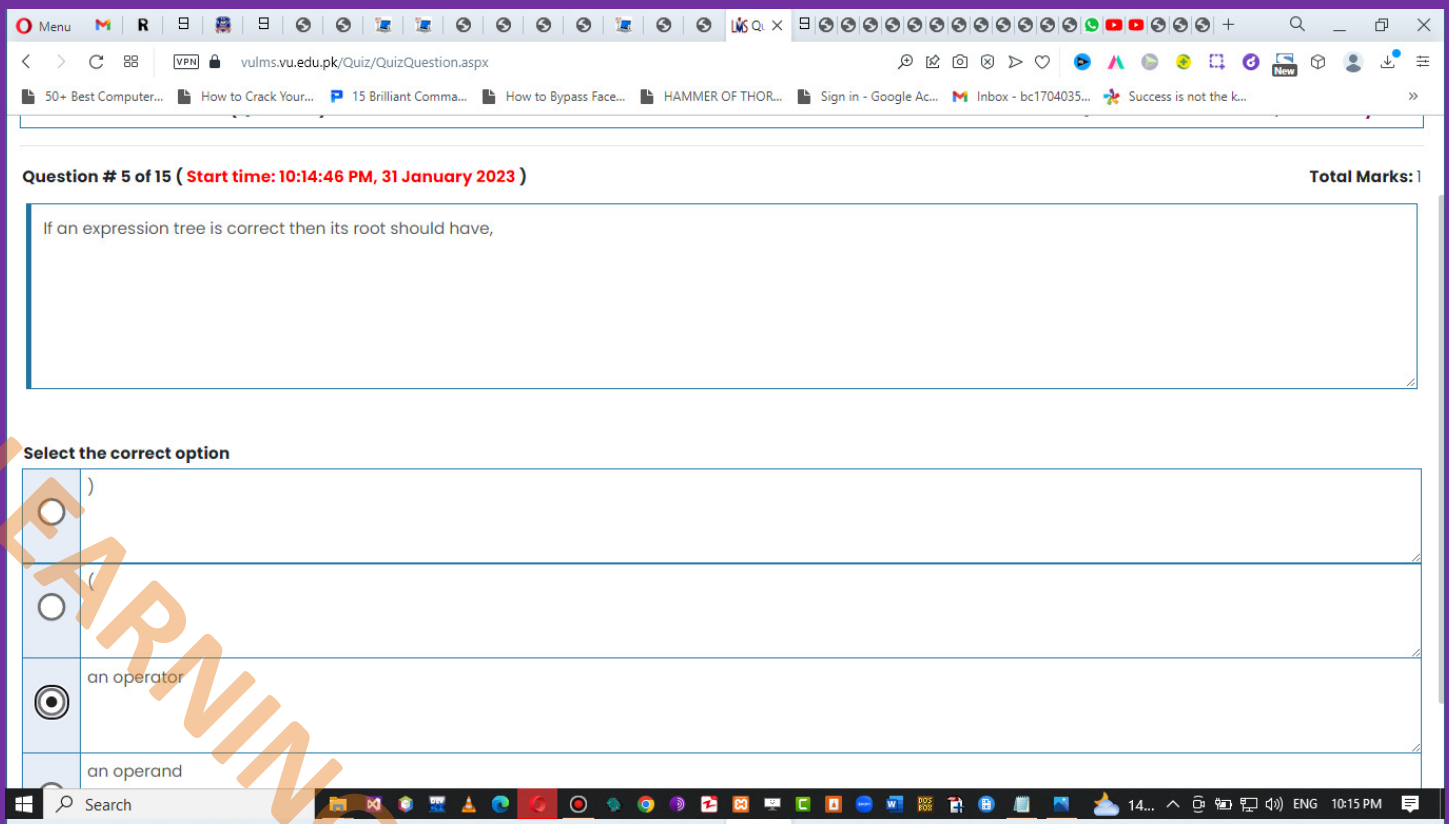
After calling the function deleteMin().Which of the following is the updated min heap?

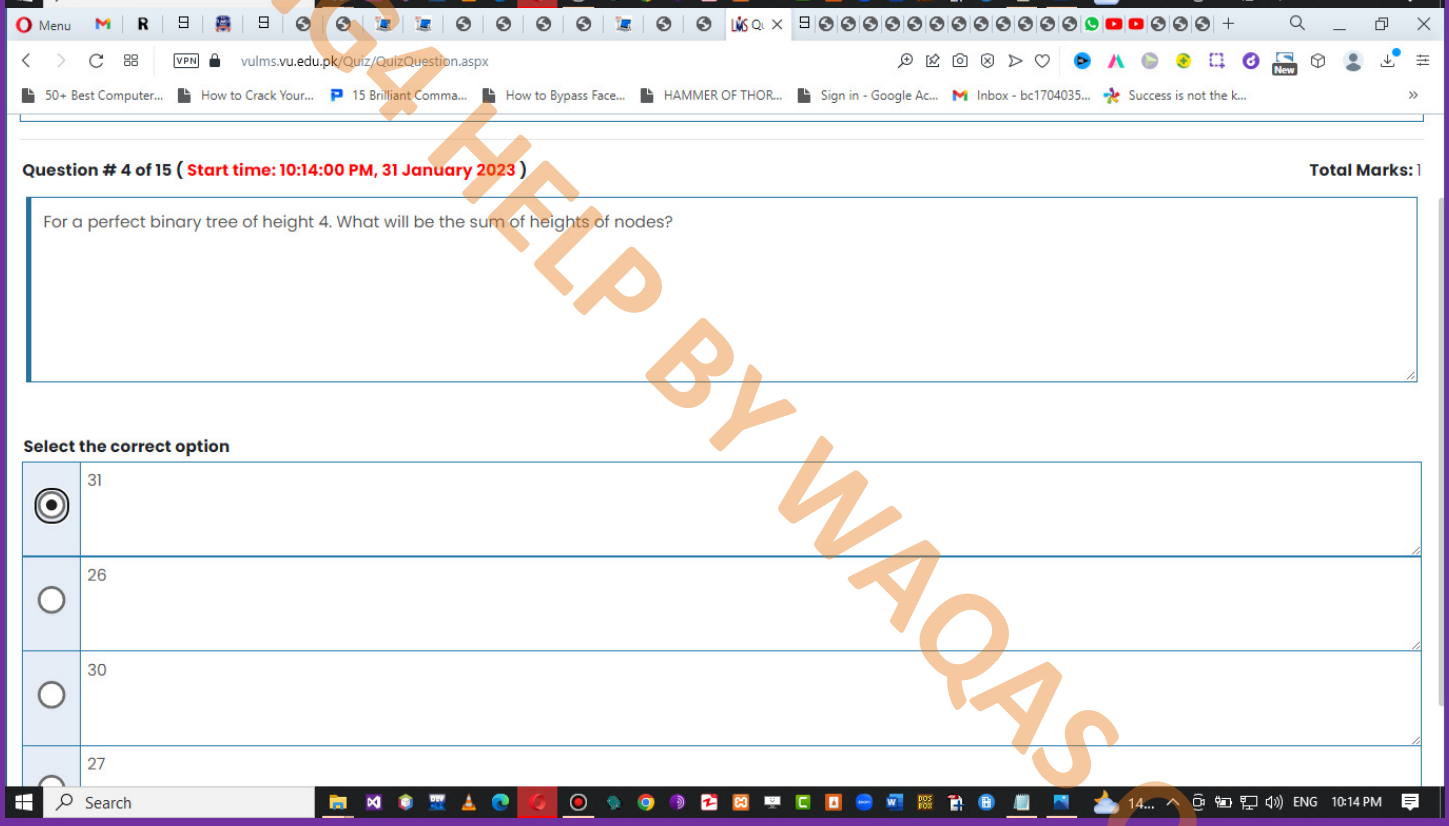
Select the correct option

- 4,6,5,7,
- 4,6,7,5
- 6,7,5,4
- 4,5,6,7

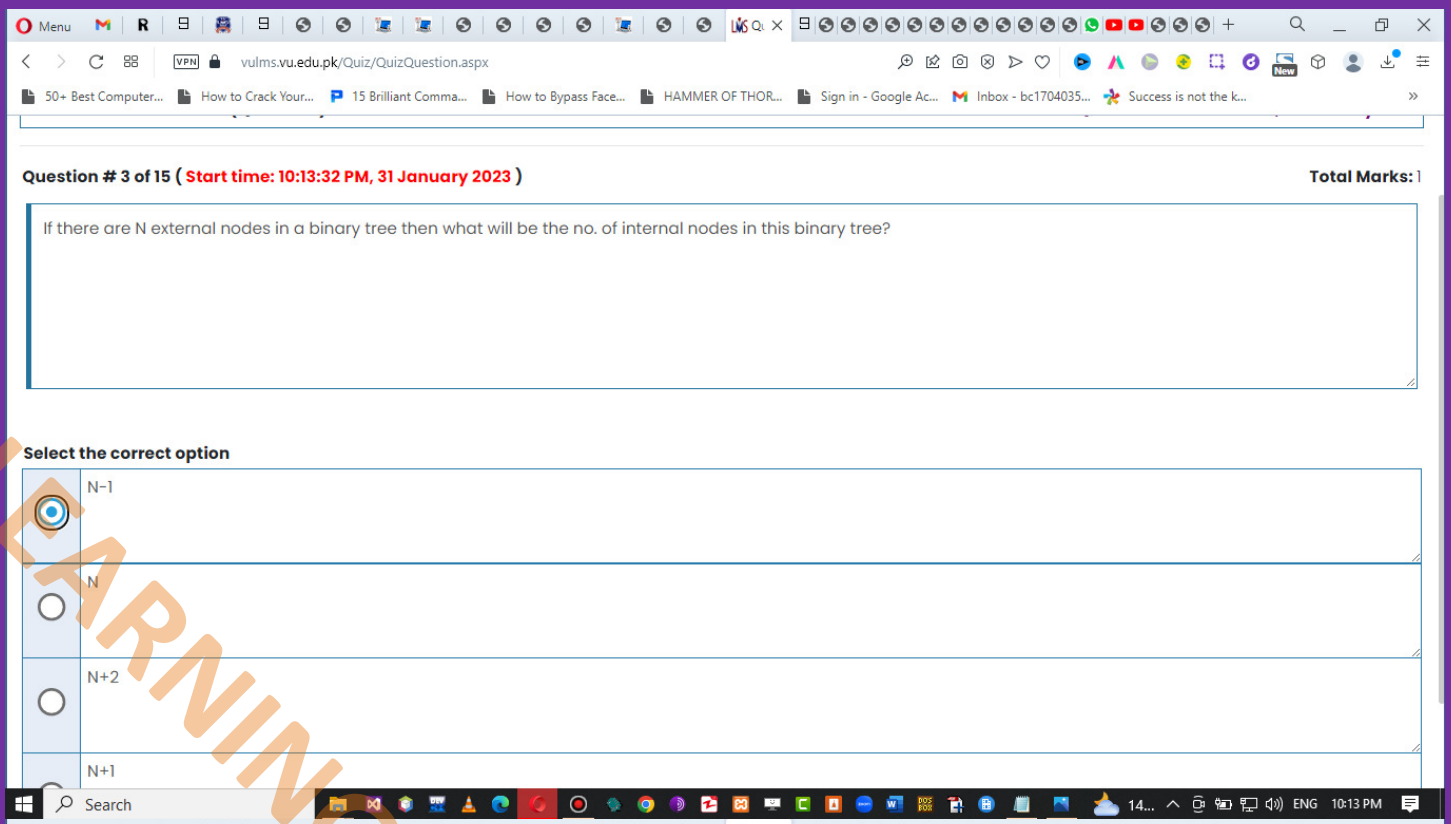
Click to Save Answer & Move to Next Question

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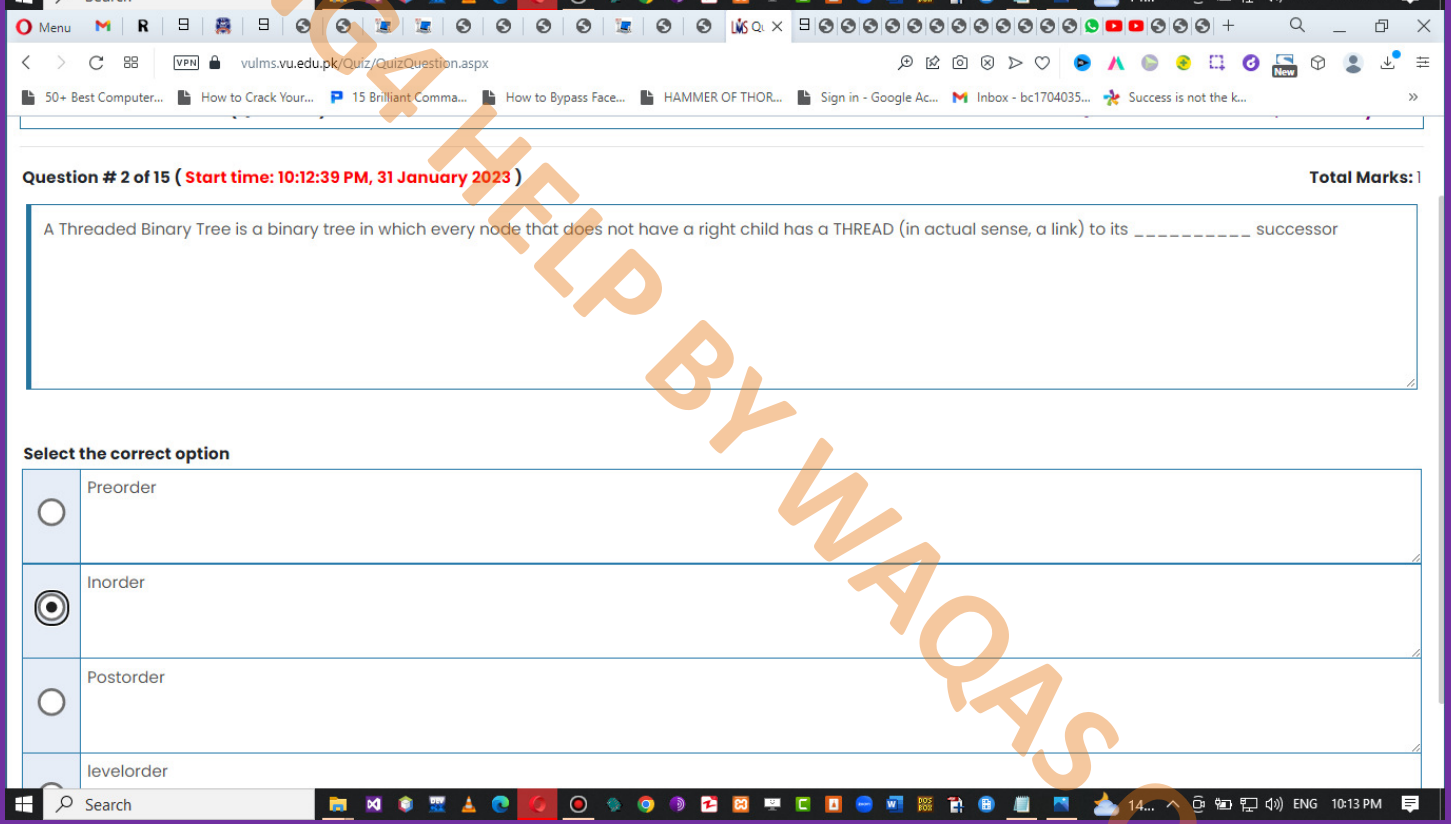


Question # 3 of 15 (Start time: 10:13:32 PM, 31 January 2023) **Total Marks:** 1

If there are N external nodes in a binary tree then what will be the no. of internal nodes in this binary tree?

Select the correct option

- N-1
- N
- N+2
- N+1



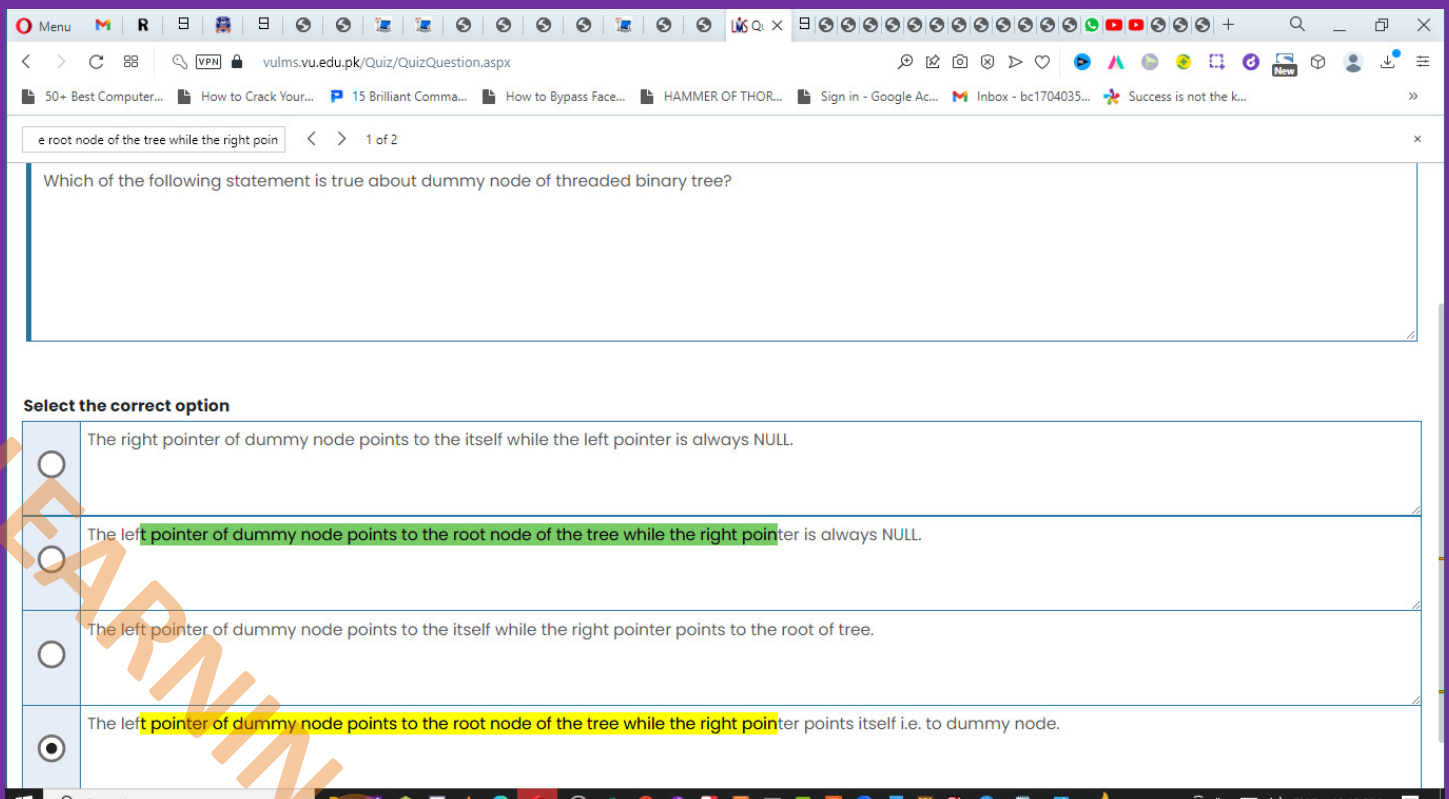
Question # 2 of 15 (Start time: 10:12:39 PM, 31 January 2023) **Total Marks:** 1

A Threaded Binary Tree is a binary tree in which every node that does not have a right child has a THREAD (in actual sense, a link) to its _____ successor

Select the correct option

- Preorder
- Inorder
- Postorder
- levelorder

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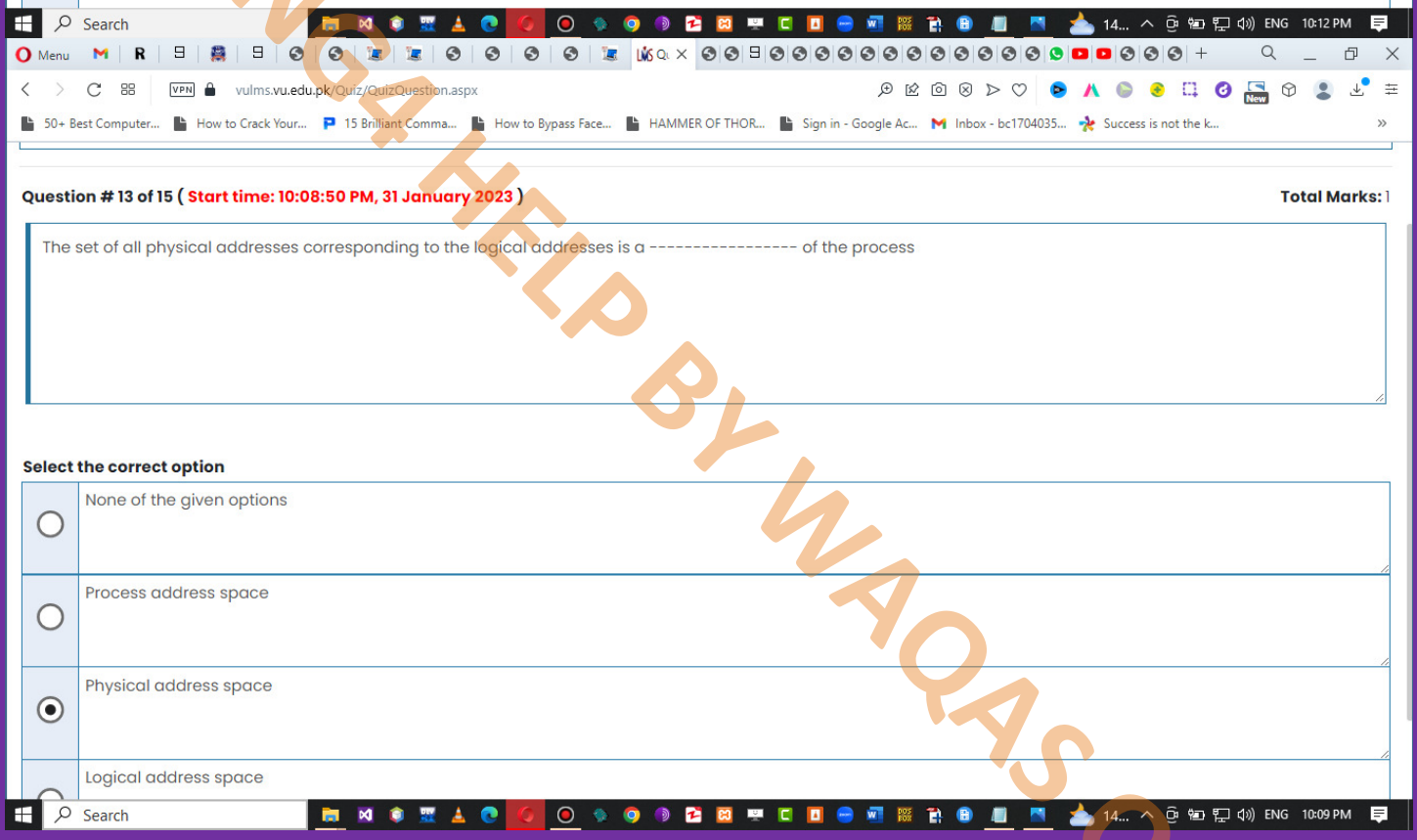


e root node of the tree while the right poin 1 of 2

Which of the following statement is true about dummy node of threaded binary tree?

Select the correct option

- The right pointer of dummy node points to the itself while the left pointer is always NULL.
- The left pointer of dummy node points to the root node of the tree while the right pointer is always NULL.
- The left pointer of dummy node points to the itself while the right pointer points to the root of tree.
- The left pointer of dummy node points to the root node of the tree while the right pointer points itself i.e. to dummy node.



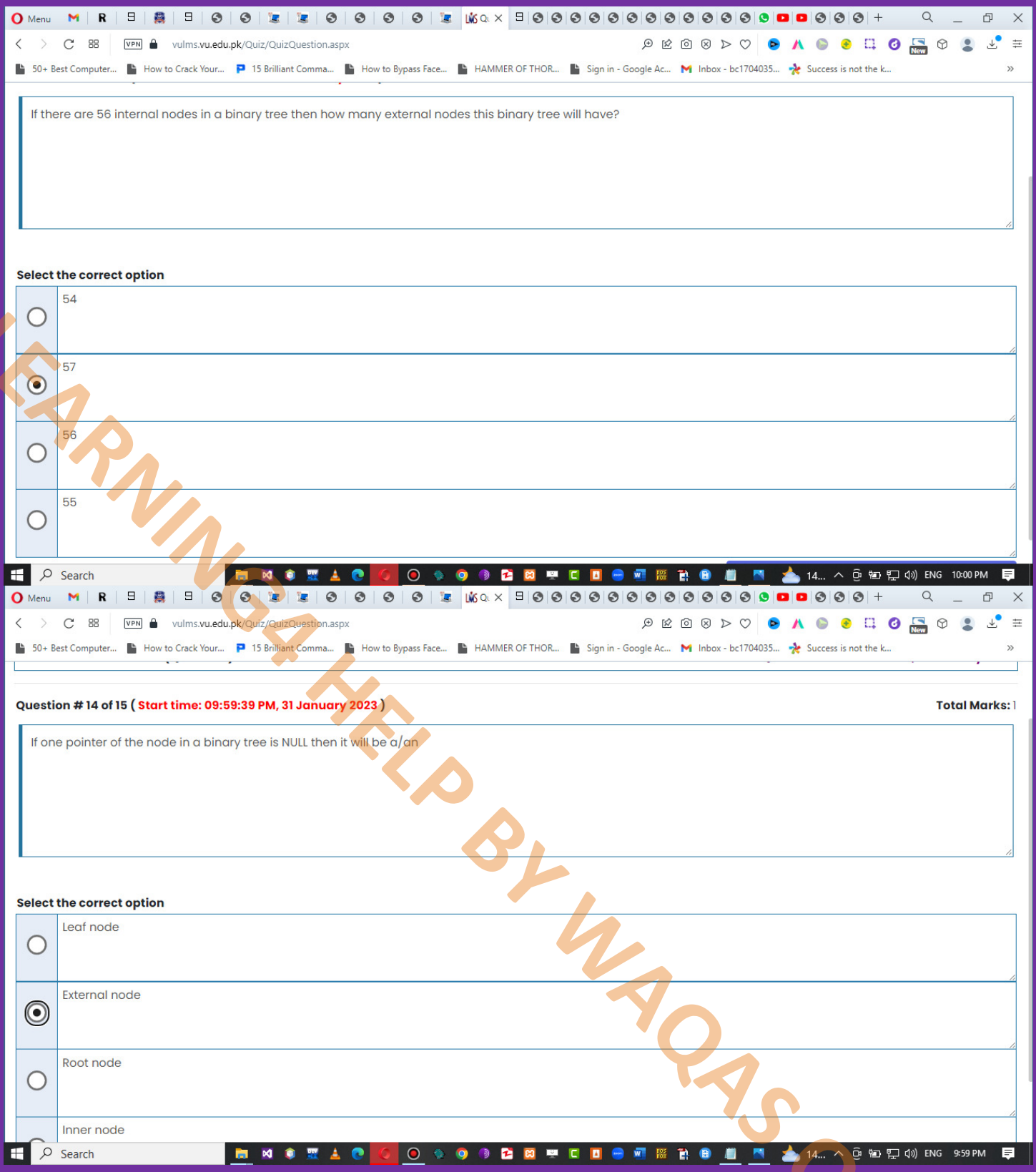
Question # 13 of 15 (Start time: 10:08:50 PM, 31 January 2023) **Total Marks:** 1

The set of all physical addresses corresponding to the logical addresses is a ---------- of the process

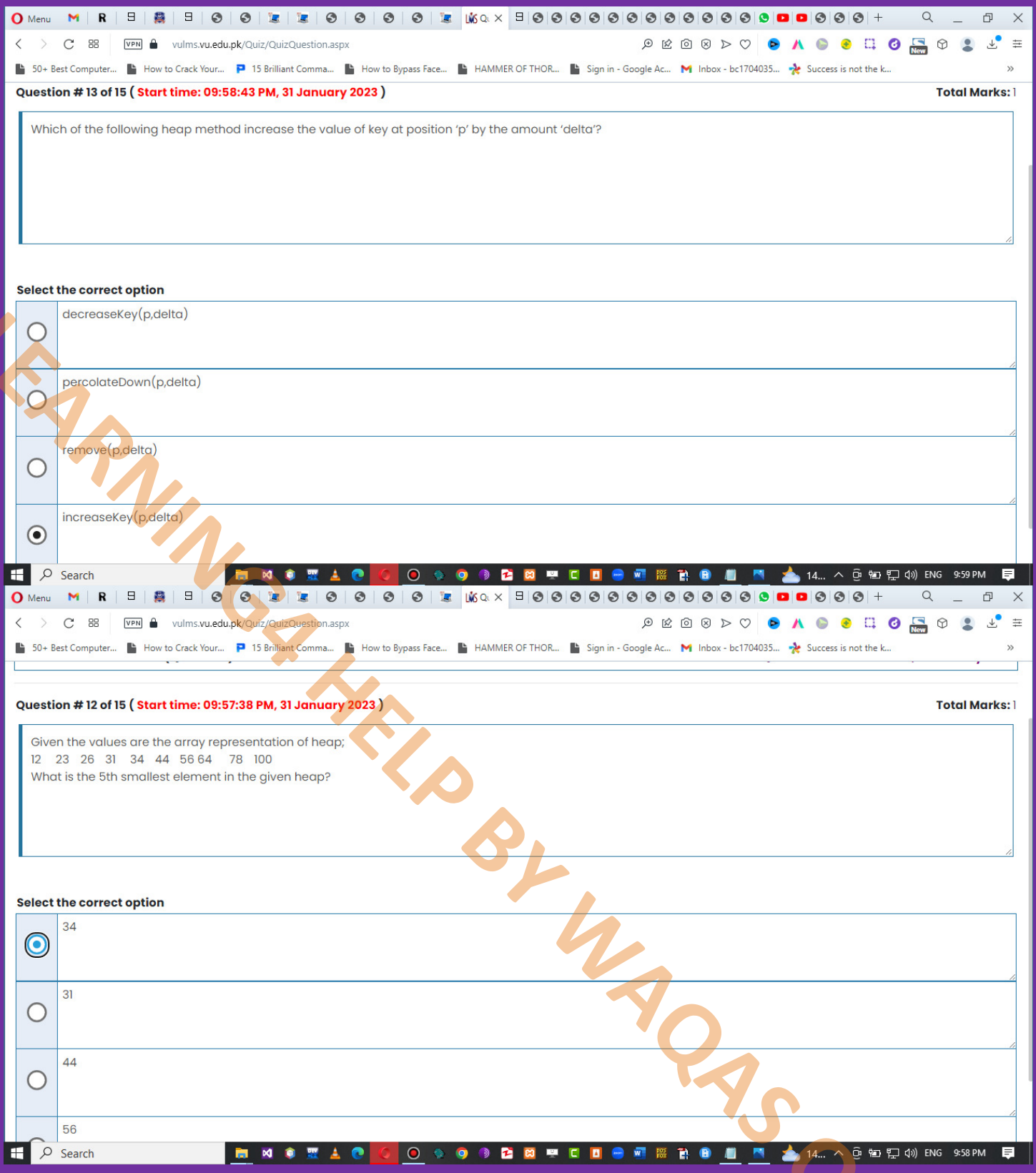
Select the correct option

- None of the given options
- Process address space
- Physical address space
- Logical address space

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40,30,20,10,15,16,17,8,4,35 1 of 1

Question # 11 of 15 (Start time: 09:56:00 PM, 31 January 2023) **Total Marks:** 1

Consider a max heap, represented by the following array:
40,30,20,10,15,16,17,8,4

After inserting a node with value 35.Which of the following is the updated max heap?

Select the correct option

- (●) 40,30,20,10,15,16,17,8,4,35
- ( ) 40,30,20,10,35,16,17,8,4,15
- ( ) 40,35,20,10,15,16,17,8,4,30

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30,20,31,40,50,80,60,70 1 of 1

After inserting a node with value 31.Which of the following is the updated min heap?

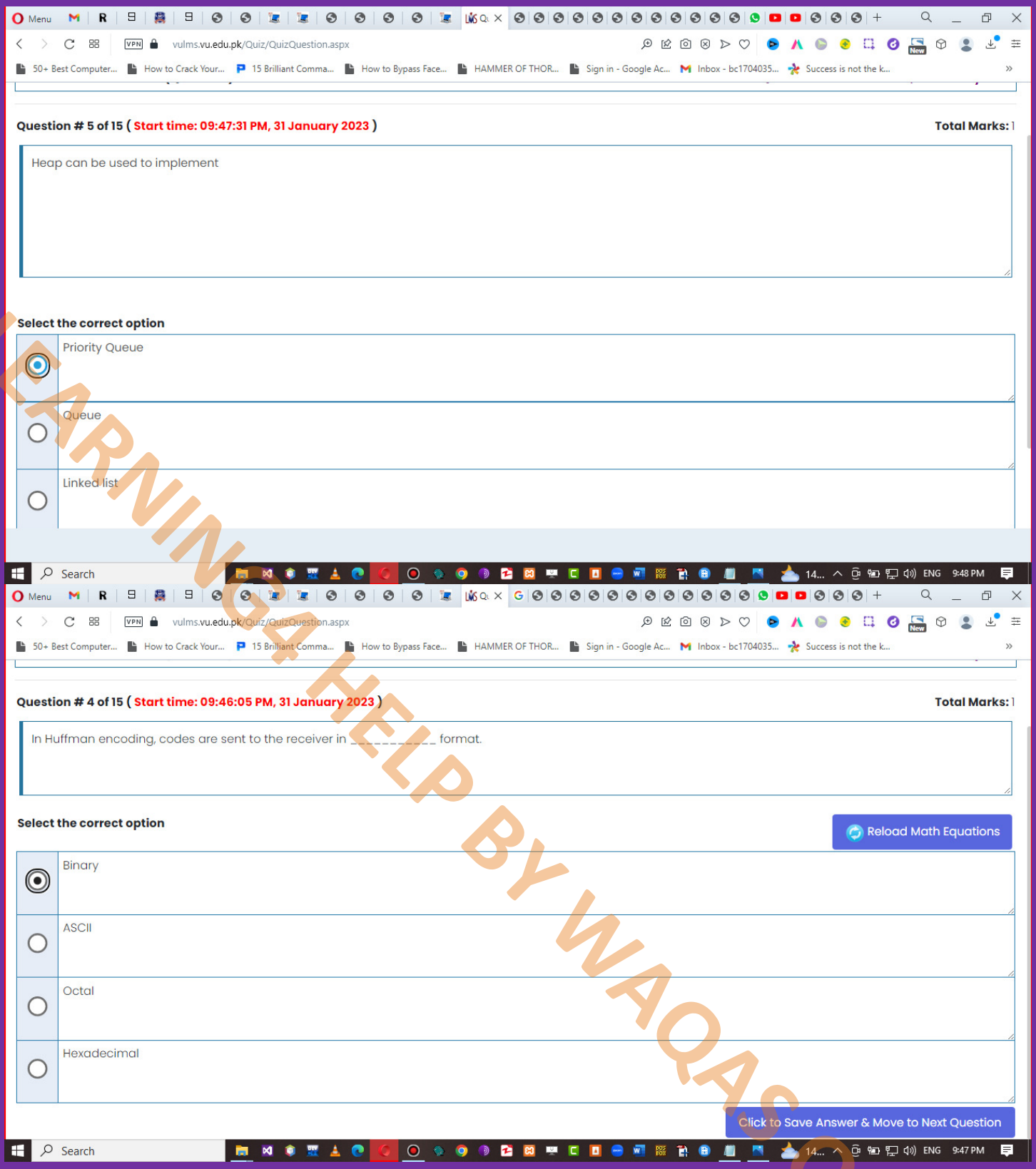
Select the correct option

- ( ) 10,30,20,70,40,50,80,60,31
- ( ) 10,30,20,31,40,50,80,70,60
- ( ) 31,10,30,20,70,40,50,80,60
- (●) 10,30,20,31,40,50,80,60,70

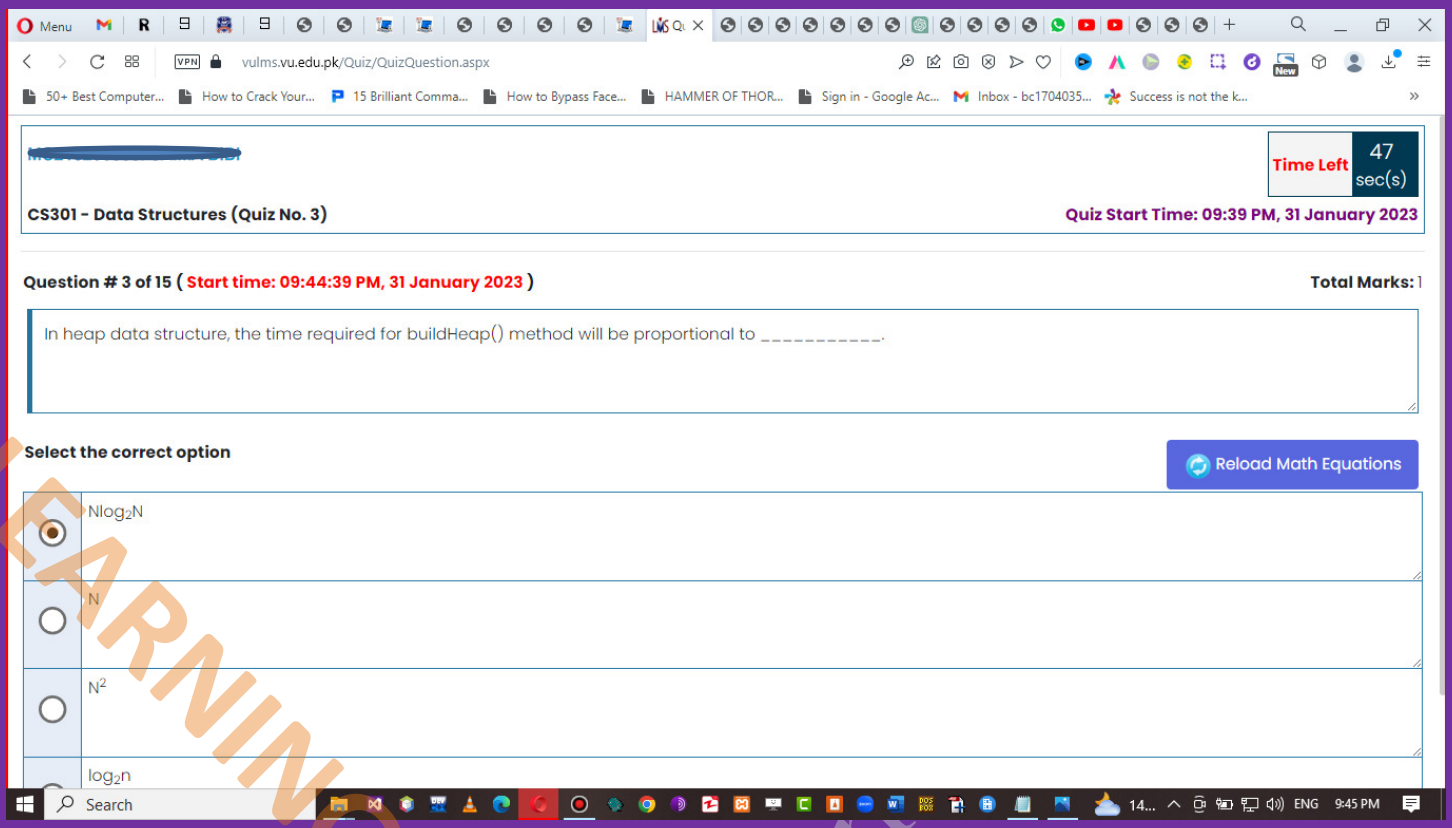
Click to Save Answer & Move to Next Question

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