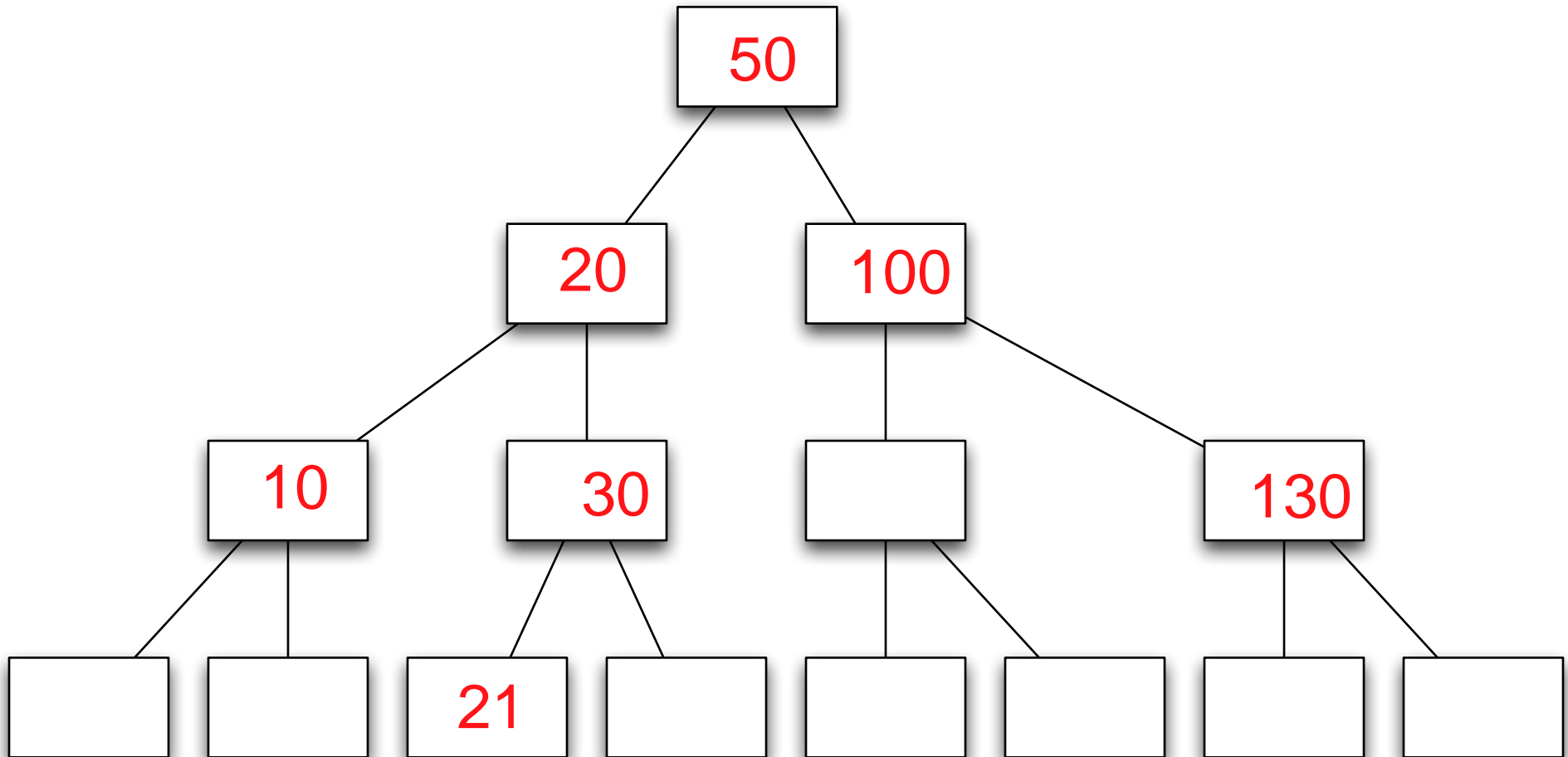


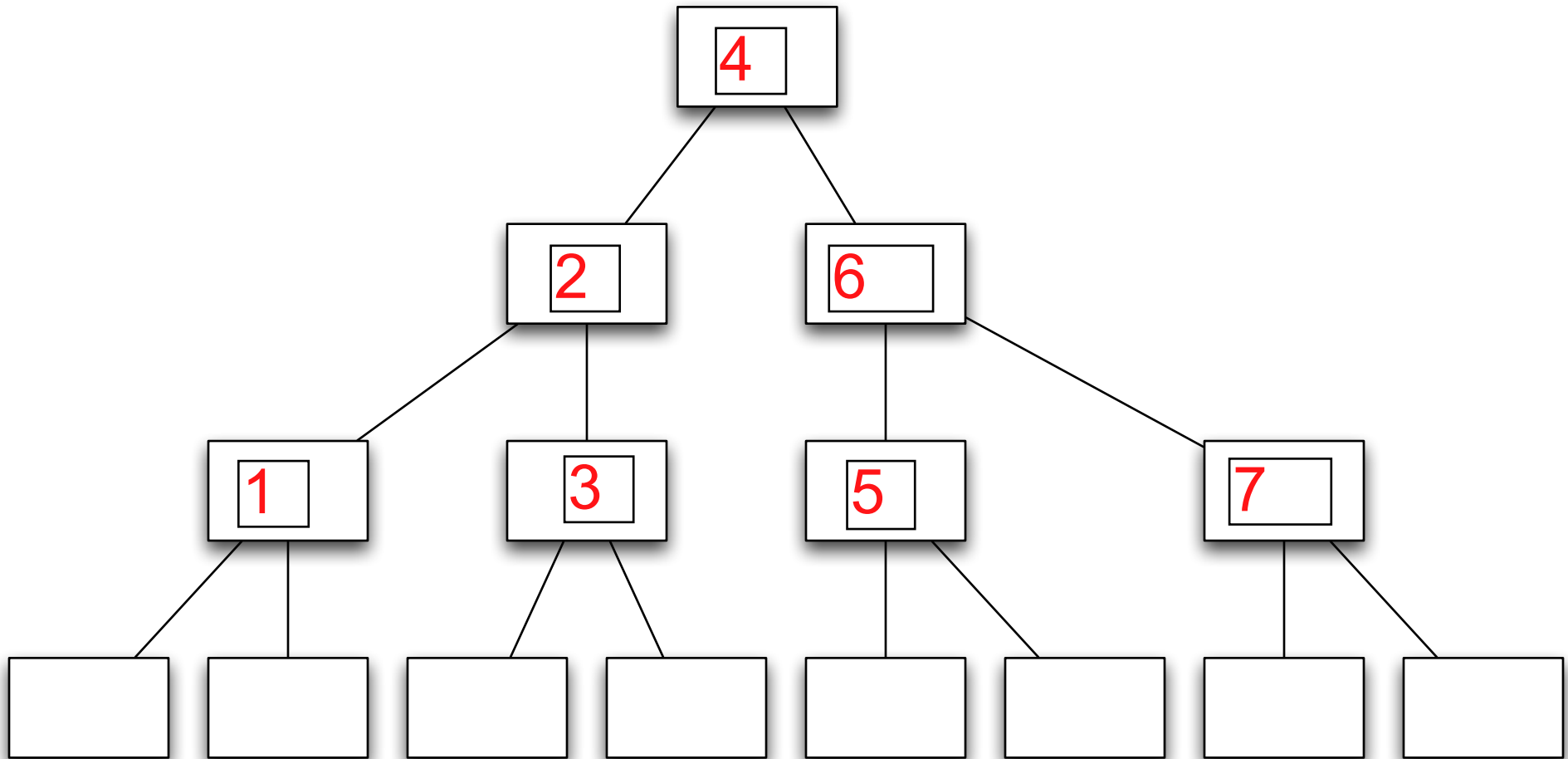
Name: Tatyana Vlaskin

Question#: 1



Name: Tatyana Vlaskin

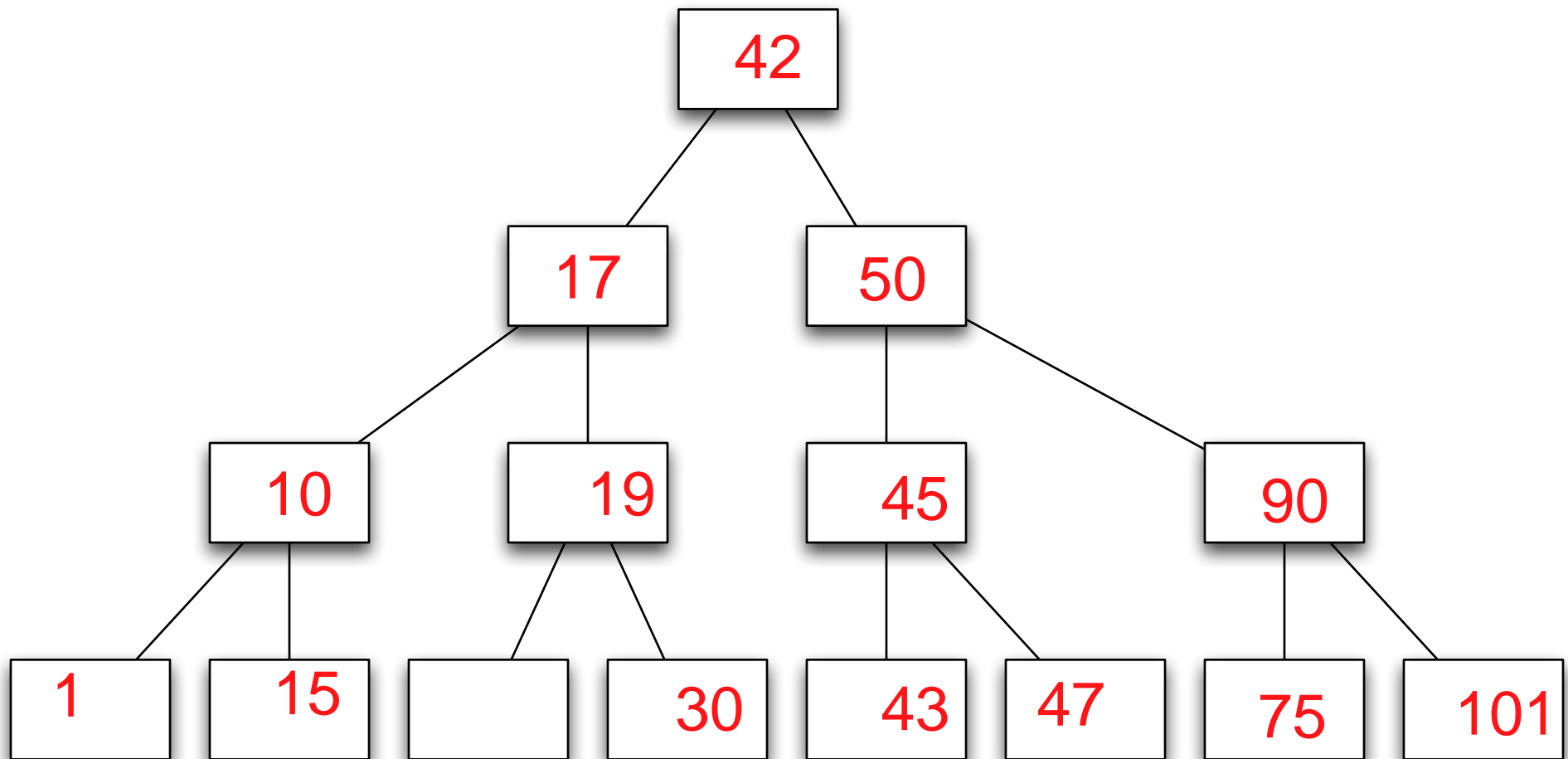
Question#: 2



One possible order of inserting elements 1-7 in the binary tree to generate full binary tree is: 4, 2, 6, 3, 1, 5, 7

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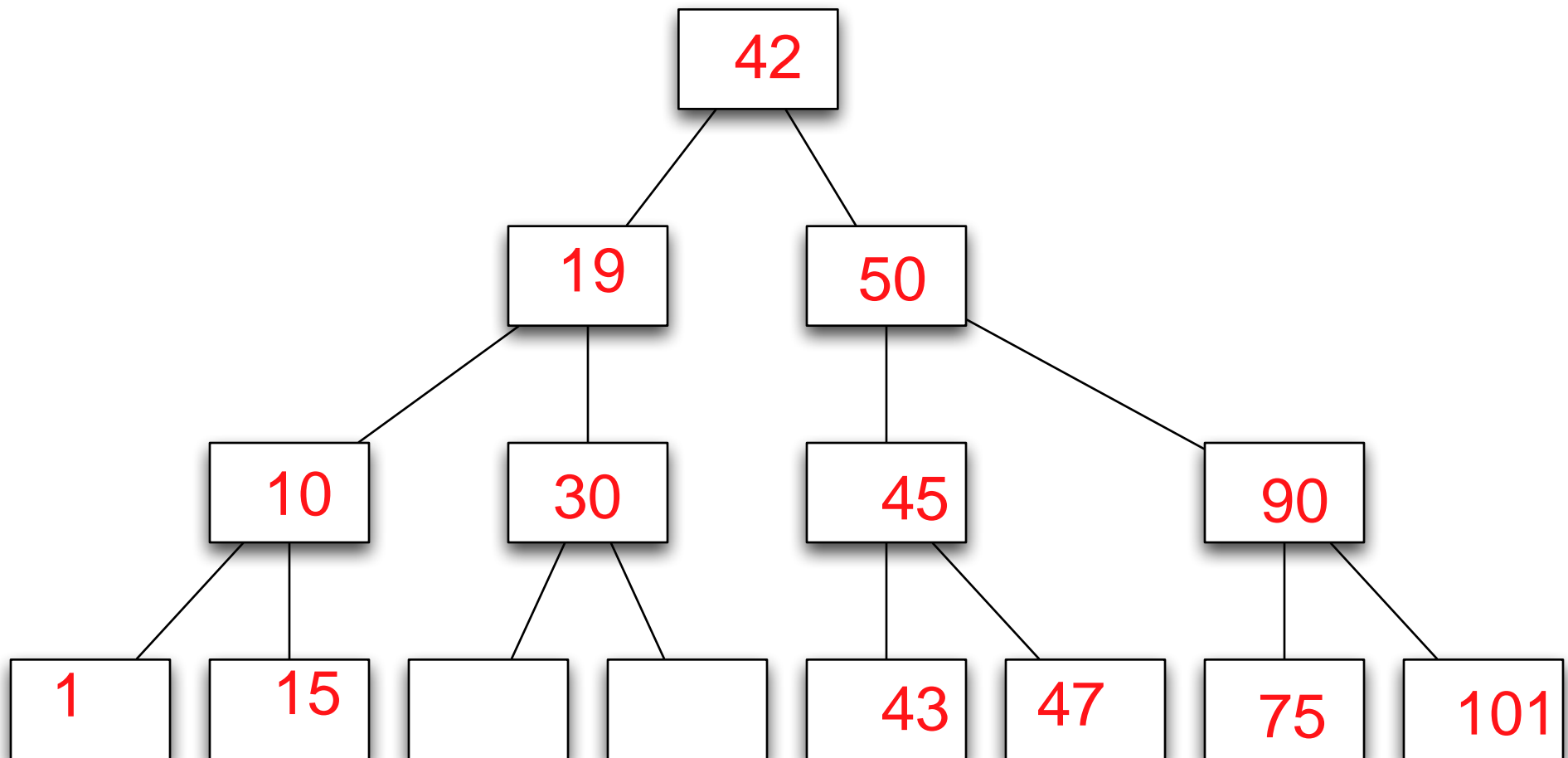
Question#: 3A



When an element is removed from the tree, the gap is filled with the leftmost child of the right subtree (smallest element in the right subtree), if such exist. So when 16 is removed, 17 takes its place

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Question#: 3B



When an element is removed from the tree, the gap is filled with the leftmost child of the right subtree (smallest element in the right subtree), if such exist. If this case there is no left child in the right subtree, so the element is replaced by the right subtree itself. So when 17 is removed, 19 takes its place.

Name: Tatyana Vlaskin

Question#: 4

