

# LINEAR TIME AND SPACE RECONSTRUCTION OF A BINARY TREE FROM ITS PRE-ORDER AND IN-ORDER TRAVERSALS

Adrian DEACONU<sup>1</sup>

***Abstract:** In this paper, a new idea using some special data structure for the reconstruction of a binary tree from its pre-order and in-order traversals in linear time and space is presented. The reconstruction of the binary tree from its in-order and post-order traversals is also studied.*

***Key words:** pre-order, in-order traversals, tree (re)construction, Divide and Conquer method.*

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\* Transilvania University of Brasov.