

A formula for vertex cuts in b-treesLORENTZ JÄNTSCHI¹, CARMEN ELENA STOENOIU², SORANA-DANIELA BOLBOACĂ³

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The paper presents a polynomial formula giving the number and size of substructures that result after removing of one vertex from a b-tree.

The solution proposed for this problem is presented by using of a polynomial formula. Two particular cases are presented.

The obtained polynomial formulas for vertex cuts in $b\{\}$ -trees can be generalized, allowing calculations of any structures of interest. The obtained formula works also as limit formulas for trivial trees, which are paths.