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An approximational decomposition algorithm for a combinatorial problem of developing production capacities of an industry with block production constraints. II.

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[For part I see Sov. J. Comput. Syst. Sci. 23, No.1, 119-126 (1985; Zbl 0591.90045).] A decomposition algorithm for the class of problems of partial integer- valued programming with block-diagonal structure of constraints that were examined in the first part of the report is described in detail. The results of the solution of benchmark examples on a computer are presented.

Keywords: decomposition algorithm; block-diagonal structure of constraints