ANNOTATION

Thesis is devoted to the actual problem of computer-aided design modular data flow diagrams. Under the modular block diagram means a series of procedures, combined into modules, and a plurality of information elements, combined into data sets that determine the relationship between the process data. The problem is formulated as a block-symmetric problem of discrete programming. As an objective function used in the formulation of at least the relationship between software modules and arrays of data flow charts in a number of technological limitations. For its solution, developed and proposed an efficient algorithm for iterative mappings. To evaluate the algorithm performed computational experiments, which showed high efficiency in solving large-scale

problems.