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SOLVING PRODUCTION AND TRANSPORT PROBLEMS IN BRANCH PLANNING BY MEANS OF THE APPROXIMATION METHOD

(Приближенный метод решения многопродуктов производственно-транспортных задач отраслего планирования)

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This article deals with a problem referring to the development, location and specializing of enterprises in an industrial branch, viz. the elaboration is required of a production and distribution plan at the level of the entire branch within which, out of the various possible combinations in the variants of location, development and specializing of the existing and of the new enterprises, the combination ensuring the necessary quantity of products for all the consumption points, at minimum production and transport costs, must be found. The problem is solved by means of the classic transport method, in two steps:

1. the aim function consists in minimizing production costs;
2. minimizing transport costs.

The algorithms required for solving these functions are described.