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A method of constructing the maintenance service network under the redistricting and service provider demand sharing

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Abstract

The imbalance of supply and demand of the service network has seriously affected the service quality. This paper proposes a method of constructing the maintenance service network under the redistricting and service provider demand sharing. The method considers redistricting service areas and demand shared among service providers to solve the problem of demand overload in service regions. The simulated annealing algorithm is used to solve the problem. Finally, the method is applied to a real case of the farm machinery field.

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