

Integrated and collaborative routing problems

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Abstract

The technological and scientific advances have favored a trend that is leading to the optimization of increasingly integrated parts of the logistic systems and to the optimization of logistic problems arising from collaboration agreements among companies. The reason for studying these problems comes from the economic advantages that can be achieved. At the same time, integration and collaboration may imply additional costs and organizational challenges. For this reason, it is vital to quantify the benefits coming from an integration or a collaboration project. In this talk, different examples of integrated vehicle routing problems and of collaborative routing problems will be presented and discussed.