

Algorithms for Semi-Infinite Transportation Problems

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Abstract — In this paper we consider a class of semi-infinite transportation problems. We develop an algorithm for this class of semi-infinite transportation problems. The algorithm is a primal dual method which is a generalization of the classical algorithm for finite transportation problems. The most important work in our algorithm is that we can prove the convergence result for the optimal solution of semi-infinite transportation problems. We have implemented some examples to illustrate our algorithm.

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