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A general approach to the 1-center problem. (English) Zbl 0615.90034
Cah. Cent. Étud. Rech. Opér. 28, 293-301 (1986).

This paper studies the 1-center problem in general metric spaces. More specifically, properties of a lower bound proposed by *P. M. Dearing* and *R. L. Francis* [Transp. Sci. 8, 333-343 (1974)] are presented and a geometric algorithm is derived to solve some instances of the problem when the location space is R^2 and the distance is measured by a block norm.

MSC:

90B05 Inventory, storage, reservoirs

Cited in 4 Documents

Keywords:

facility location; 1-center problem; general metric spaces; lower bound; geometric algorithm