

**Volume 28, Issue 3****Research Announcement****Axiomatic Characterization of the Nash and Kalai-Smorodinsky Solution Solutions for Integer Allocation Problems**

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**Abstract**

We consider two-player integer allocation plms and provide axiomatic characterizations of adaptations of the Nash (1950) an Kalai-Smorodinsky (1975) solutions fo such problems. We also relate the theory developed for integer allocation problems, to the problem of fair allocation of indivisible objects among two agents. We refer to such problems here, as (two-player) fair matching problems.

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