

On Constructing Strategy-Proof and Democratic Social Choice Correspondences : Possibility and Impossibility Results

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Abstract

We investigate the possibility of constructing strategy-proof and democratic social choice correspondences. Two different definitions of strategy-proofness are presented. Based on the first definition, we show that there is no democratic and strategy-proof social choice correspondence. On the other hand, the second definition leads to both possibility and impossibility results; the possibility result states that there is a strategy-proof and democratic social choice correspondence; on the other hand, the impossibility result states that such a social choice correspondence cannot be selective, as conjectured by Gärdenfors [1].

References

- [1] Gärdenfors, P.: 1976, 'Manipulation of Social Choice Functions'. *Journal of Economic Theory* (13), 217–228.

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