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Sen's proofs of the arrow and Gibbard theorems

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*Highlights (for review)

Highlights

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- Sen (2017) contains a new proof of Arrow's impossibility theorem.
- The proof assumes that the social preference relation is fully transitive.
- Sen's "Spread of Decisiveness" lemma can be used to prove Gibbard's oligarchy theorem.
- This lemma requires only quasi-transitivity.
- Arrow's theorem follows immediately once transitivity is strengthened.

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