# Power indices, claims games and core selection

# Propositions

accompanying the thesis

# Power indices, claim games and core selection

by

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1. In collective decision-making, the support or enthusiasm about the issues involved could be a vital factor to measure and compare the power of players in political and economic situations when taking these issues (for instance, a new law) into account.

2. The power in marriage problems is a measure of possibilities or opportunities of men and women. The greater a person's possibility or opportunities of changing a matching is, the more power he or she would get.

3. Simplifying the power index through the Transfer Property or Equal Power Change makes characterizations easier.

4. Punishment often makes people live in the present consciously, which is consistent with one conclusion in claim games that myopic play is an optimal strategy under the punishment on deviators.

5. To get more, one should create more under a commonly accepted assessment standard.

6. Elimination by invoking reasonable criteria is always a good way to rationalize choices.

7. Mathematics serves as a fundamental tool to especially model reasoning scenarios.

8. It does not matter how slowly you go as long as you do not stop!!

- Confucius