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Combinatorial Double Auction-based Resource Allocation  
Mechanism in Cloud Computing Market

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## Highlights

- A combinatorial double auction-based market for cloud computing is studied.
- An integer linear programming optimization model is proposed for the market.
- A heuristic resource allocation algorithm is proposed for the optimization model.
- Trustworthiness, Fairness, Economic and allocation efficiency are proved.
- Simulation by means of CloudSim confirms the efficiency of the proposed algorithm.

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