**Multiagent Systems Assignment 4**

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**Question**

Prove DSIC of the Vickrey auction, and submit with a PDF.

**Explanation**

**Vickrey**: 2nd price auction

**DISC**: Dominant Strategy Incentive Compatible

IC means:

To be truthful in reporting its type/evaluation is every agent’s own best interest.

To tell a lie or mis-information will be against the agent’s interest.

when IC is achieved in a dominant strategy equilibrium (so that truthfulness is best whatever the claims of other agents), it is DSIC.

