

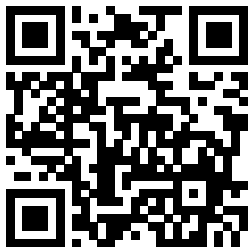
# Game Theory 01-03

## Exercise

Author

Oct. 7, 2025

# Answer on Google Slides



Scan the QR code or open the URL to reach the shared Google Slides deck and submit your answers for each exercise. Feel free to add supporting screenshots or headlines if your example comes from the real world.

[https://sites.google.com/vju.  
ac.vn/bcse-gt](https://sites.google.com/vju.ac.vn/bcse-gt)

## Notes

- ▶ Write the names of teammates who join today on your slide.
- ▶ Handwritten work is welcome—take clear photos and upload them if that is easier.

## Q.1

List three situations that involve strategic interaction. Use examples that are different from those in the lecture—think of settings from software engineering, esports, public policy, or your own hobbies.

## Q.2

In the teamwork example, explain what helps the players cooperate. Do you see similar ideas or tools around you—perhaps checklists, dashboards, or reputation systems?

### Q.3

Show that if a binary relation is asymmetric and negatively transitive, then it is transitive.

#### Q.4

Rewrite the game from the Cross-Cultural Understanding section using the normal-form definition. State the players, strategy sets, and utility functions, and add one additional outcome that reflects a scenario you have observed.