

# **Homophily and Segregation in Cooperative Networks**

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## Online Appendix B: Selected Screenshots

### [Instructions, all conditions]



Welcome! In today's study, you will be making decisions with other students at two universities: **The Ohio State University** and **The University of South Carolina**.

Both your own decisions and the decisions of the others will influence your earnings. **Therefore, it is very important that you read all instructions carefully.**

During the study, you will be connected to some of the other participants. **The participants to whom you will be connected may be from OSU, USC, or a mix of both. Each participant will be identified only with a letter ID (e.g., Participant X or Participant Y).**

You and the others you are connected to will make decisions in several different phases. Each phase consists of multiple rounds.

These decisions will cause you and the others to gain or lose points. You start with 1000 points.

At the end of the study, you will be paid a show-up fee, plus a bonus based on the number of points you earned in one randomly selected phase of the study. So, each phase is important.

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Specifically: in each round, **you will choose whether to give points to each of the people you are connected to**. All others will also choose whether to give points to each of the people they are connected to.

For *each* person you are connected to, if you choose **Give**, you pay 50 points for that other to gain 100 points. If you choose **Keep**, you do not pay any points and you do not change the points of that other.

Each other that you are connected to has the same choice with each of the others they are connected to, including you. If the other chooses **Give**, the other pays 50 points for you to gain 100 points. If the other chooses **Keep**, you don't gain any points.

Once everyone makes their decisions, the results are displayed. You will be shown the choices of each other you are connected to, and how many points in total you gained or lost.

**Remember, you will earn a bonus based on the number of points you earned in one randomly selected phase of the study.**

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### [Instructions, Static network condition]



**In this phase, in all rounds**, after you learn the results, you will **continue interacting with the same others you were connected to in the previous round**. So, in this phase, you will see a solid arrow connecting you to each other. This indicates that you will be connected to the other throughout the remainder of this phase.

Be sure you have carefully read the instructions. Next, you will complete a few questions to ensure your understanding of the task.

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### [Instructions, Dynamic network condition]



In this phase, **periodically (that is, in some rounds)**, after you learn the results, you will be asked whether or not you want to **stop interacting with one of the others you are connected to, and connect with a new participant**.

If you do, you will choose which one other you no longer wish to interact with. **You can stop interacting with any one of the others you are connected to.** So, in this phase, you will see a dotted arrow connecting you to each other. This indicates that, in some rounds, you will be able to disconnect from the other.

While you are deciding whether and with whom you wish to stop interacting, the others will be deciding whether they wish to continue interacting with their ties, including you.

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### [Instructions, No reputations condition]



In those rounds that you are able to, if you choose to stop interacting with one of the others, **you will choose which one new other you want to connect with.**

Specifically, you will see a list containing the Participant IDs of all of the new others with whom you could potentially connect. From the list, you can select one new other to connect to.

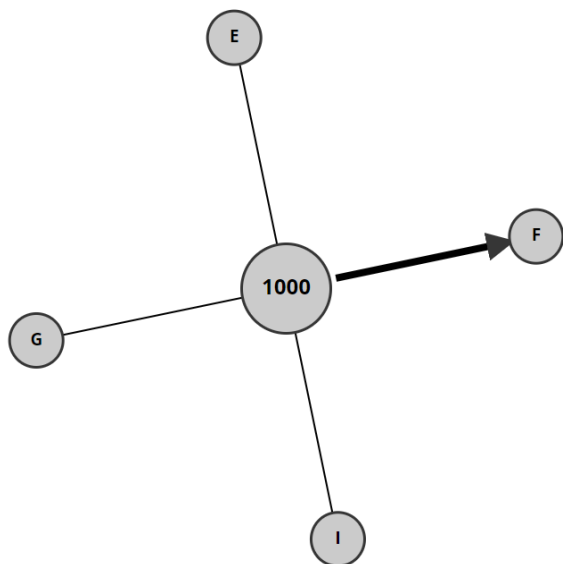
**The other must confirm this tie in order to finalize it.** Thus, the other will be asked if he or she would like to connect with you. If they do, you will successfully be connected with the new other.

Similarly, you will be given an opportunity to confirm any ties others want to form with you.

Be sure you have carefully read the instructions. Next, you will complete a few questions to ensure your understanding of the task.

Next

### [Sample decision and results screens, Static network condition]



### Please choose to Give or Keep:

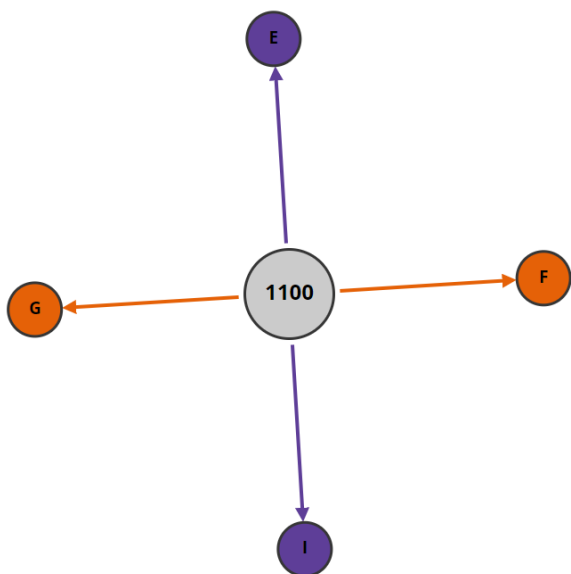
If you choose **Give** you will pay 50 points to give your neighbor 100 points

If you choose **Keep** you will pay 0 points and give your neighbor 0 points

Do you want to choose **Give** or **Keep** with this neighbor?

**Give (-50)**

**Keep (0)**



### Results

You chose **Give** with 2 player(s)-- those with orange colored arrows-- and paid a total of 100 points to give 100 points to each of them

You chose **Keep** with 2 player(s)-- those with purple arrows-- and paid 0 points to give 0 points to each of them

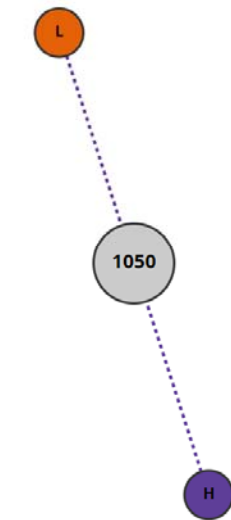
2 player(s) you are connected with chose **Give** -- those with orange circles-- and gave you a total of 200 points

2 player(s) you are connected with chose **Keep** -- those with purple circles-- and gave you 0 points

Click Next to continue

**Next**

[Sample tie-cutting and tie-making screens, Dynamic network condition]



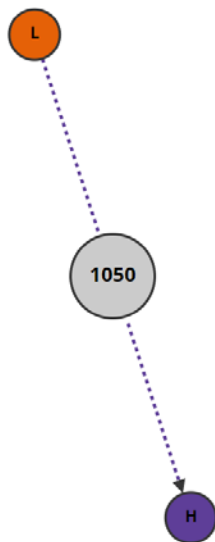
You may choose to cut your ties with one player.

Either select a player to cut your ties with or click the "No player" button. **Orange** buttons indicate the player chose to **Give** to you this round. **Purple** buttons mean the player chose to **Keep**.

L

H

No player



## Results

You chose to cut your tie(s) with 1 player(s)-- those with a dotted arrow pointed toward them.

0 player(s) chose to cut their tie with you-- those with a dotted arrow pointing toward you.

Click Next to continue

Next

[Reputations condition shown. In the No reputations condition, participants could see only grey boxes containing letter identities, without cooperation rates. Note that participants only saw this screen (and thus, only saw reputational information) if they chose to drop a tie and make a new one.]



### Make a new tie

Please choose one player with whom to make a new tie.  
If they agree, you will participate in future rounds with this player.

G:56%	J:50%	M:33%	A:50%	E:44%	H:40%
D:53%	I:56%	F:44%	C:100%	B:33%	