

Accessibility (Indirect)

In the following section we will ask you questions about indirect accessibility of nodes. If you are unclear about any terms or concepts discussed, feel free to ask for clarification at any point.

* Indicates required question

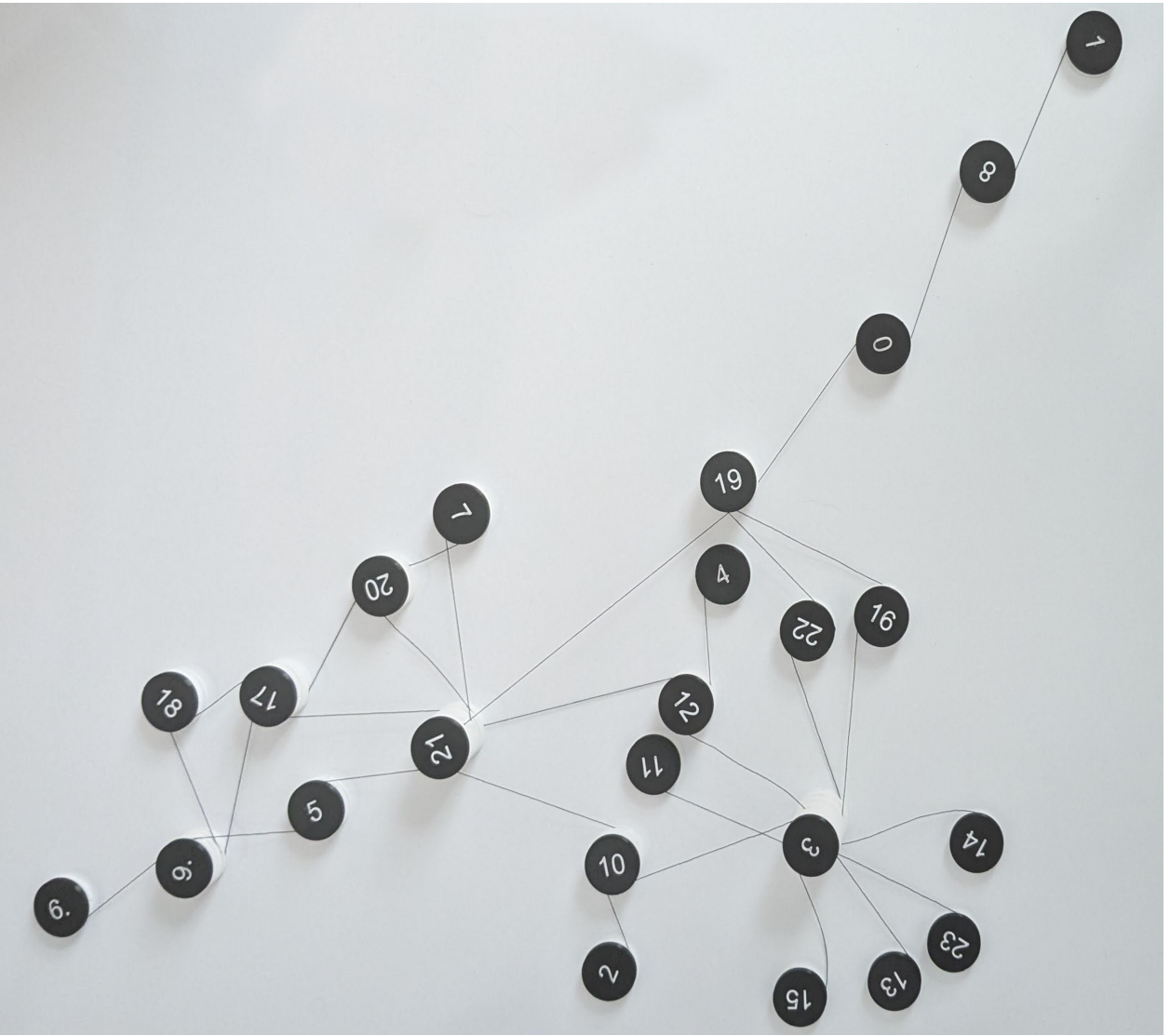
1. Participant ID *

Accessibility (Indirect) - Training

A node is accessible from another node if there is a path connecting them. All neighbors of a node are within a **hop distance** of 1 from it. The neighbors of these nodes are within a hop distance of 2 and so forth.

If you are ready, please ask the conductor for the training task for the concept of **hop distance**.

After the training task was successful, the timer will start and the actual task can begin.



2. **Training task:** Indicate the nodes in a hop distance of 2 from node 0. *

Tick all that apply.

- ☐ 1
- ☐ 3
- ☐ 7
- ☐ 8
- ☐ 12
- ☐ 16
- ☐ 19
- ☐ 20
- ☐ 21
- ☐ 22

Accessibility (Indirect) - Start

The amount of common connections in our animal contact network can play an important role in both **social structure** analysis, as well as **disease prevention**.

If one animal is infected, the most likely candidates for infections are the ones it interacts with. If the infection is allowed to spread, the interaction partners of all infected animals could be at risk as well.

For the next task, you are to determine **all** neighbors within a hop distance of 2 for the given nodes.

Reminder: an **interaction is modeled as an edge** in our network.

3. *

Tick all that apply.

- ☐ Timer started.

Accessibility (Indirect) - Task

Determine all neighbors within a hop distance of 2 from the given nodes.

4. Which animals are connected to **Eric** within **two hops**? *

Tick all that apply.

- ☐ Cairo
- ☐ Cohen
- ☐ Della
- ☐ Erik
- ☐ Hazel
- ☐ John
- ☐ Kade
- ☐ Kaia
- ☐ Kylo
- ☐ Naya
- ☐ Odin
- ☐ Otis
- ☐ Rhett
- ☐ Selah
- ☐ Siena
- ☐ Zoey

5. Which animals are connected to **Selah** within **two hops**? *

Tick all that apply.

- ☐ Cairo
- ☐ Cohen
- ☐ Della
- ☐ Erik
- ☐ Hazel
- ☐ John
- ☐ Kade
- ☐ Kaia
- ☐ Kylo
- ☐ Naya
- ☐ Odin
- ☐ Otis
- ☐ Rhett
- ☐ Selah
- ☐ Siena
- ☐ Zoey

6. Which animals are connected to **Cairo** within **two hops**? *

Tick all that apply.

- ☐ Cairo
- ☐ Cohen
- ☐ Della
- ☐ Erik
- ☐ Hazel
- ☐ John
- ☐ Kade
- ☐ Kaia
- ☐ Kylo
- ☐ Naya
- ☐ Odin
- ☐ Otis
- ☐ Rhett
- ☐ Selah
- ☐ Siena
- ☐ Zoey

Time

7. Time taken *

Difficulty

8. How difficult did you find this task? *

Mark only one oval.

1 2 3 4 5 6 7 8 9 10

Low ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ High

Final Thoughts

9. Please share any thoughts about the task here. *

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