

The background features a complex network graph with red lines connecting green and blue nodes. On the left, there is a smaller inset showing a different network visualization with orange and red nodes. The overall aesthetic is technical and data-driven.

Session 2: Graphs, Networks, and Their Representations

Question

| | A | B | C |
|---|---|---|---|
| A | 0 | 1 | 1 |
| B | 1 | 0 | 0 |
| C | 0 | 1 | 0 |

❑ For node B in the directed graph represented by the given adjacency matrix, what's B's in-degree? Recall that entry a_{ij} in the adjacency matrix denotes a link between the node at row i and the node at column j .

☐ 0

☐ 1

☐ 2

☐ 3

❑ Answer: 2. B has incident edges A→B and C→B.