

## Deduction Mysteries

### CASE 01

A source code repository was extracted from the war room of Meridian Data during the overnight window between 20:00 and 22:45. Investigators have narrowed the field to 5 suspects: Talia (data scientist), Eitan (intern), Roksana (product manager), Ilya (CTO), Joaquin (support lead).

#### Q Who extracted the source code repository?

1. Talia's MFA token log places them at an offsite location from 20:00 to roughly 22:45.
2. Roksana has no verifiable account of their whereabouts after 20:00.
3. SSH key access to the war room is restricted to Roksana, Ilya.
4. Roksana's SSH key was activated at 20:00 at the war room.
5. Roksana had a documented grievance, well-documented in HR records.
6. Eitan's witness colleague places them at a hospital visit from 20:00 to roughly 22:45.
7. The data theft required professional restoration training. Only Roksana, Ilya, Eitan have it among the suspects.
8. Joaquin's MFA token log places them at a public event with hundreds of attendees from 20:00 to roughly 22:45.
9. Ilya's witness colleague places them at a hospital visit from 20:00 to roughly 22:45.

 A) Ilya B) Roksana C) Talia D) Eitan E) Joaquin

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### CASE 02

A sequencing chip was swapped from the PI office of Pemberton Pharmaceuticals during the overnight window between 21:45 and 23:45. Investigators have narrowed the field to 6 suspects: Aaliyah (equipment manager), Kenji (clinical coordinator), Helena (principal investigator), Akhil (safety officer), Cosima (lab technician), Alejandro (operations manager).

#### Q Who swapped the sequencing chip?

1. The sample tampering required firmware manipulation. Only Helena, Kenji, Cosima have it among the suspects.
2. A discarded note near the scene briefly suggested Alejandro's involvement, but it was later traced to an unrelated incident.
3. Kenji has no verifiable account of their whereabouts after 21:45.
4. Akhil's witness sighting places them at a public event with hundreds of attendees from 21:45 to roughly 23:45.
5. Aaliyah's equipment timestamp places them at an offsite location from 21:45 to roughly 23:45.
6. Freezer key access to the PI office is restricted to Kenji, Akhil.
7. Cosima's witness sighting places them at a remote conference from 21:45 to roughly 23:45.
8. Alejandro's clean-room entry log places them at an offsite location from 21:45 to roughly 23:45.
9. Kenji's freezer key was activated at 21:45 at the PI office.
10. Kenji had passed-over promotion, well-documented in HR records.
11. Helena's freezer access log places them at a documented training session from 21:45 to roughly 23:45.

## Deduction Mysteries

### CASE 03

A curator notebook was taken from the restoration room of Pemberton Research Library during the overnight window between 19:45 and 21:15. Investigators have narrowed the field to 5 suspects: Tomas (rare-books curator), Zinnia (intern), Damaris (volunteer), Anand (visiting scholar), Rhys (archivist).

#### Q Who took the curator notebook?

1. Damaris's book-checkout record places them at a public event with hundreds of attendees from 19:45 to roughly 21:15.
2. Zinnia's badge swipe places them at a remote conference from 19:45 to roughly 21:15.
3. A discarded note near the scene briefly suggested Anand's involvement, but it was later traced to an unrelated incident.
4. Vault key access to the restoration room is restricted to Tomas, Zinnia, Damaris.
5. Rhys's badge swipe places them at an offsite location from 19:45 to roughly 21:15.
6. Tomas had passed-over promotion, well-documented in HR records.
7. Anand's badge swipe places them at a public event with hundreds of attendees from 19:45 to roughly 21:15.
8. Tomas's vault key was activated at 19:45 at the restoration room.
9. Tomas has no verifiable account of their whereabouts after 19:45.
- 10 The theft required complex schematic knowledge. Only Tomas, Rhys, Zinnia have it among the suspects.

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| A) Anand | B) Damaris | C) Zinnia | D) Tomas | E) Rhys |
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### CASE 04

An original script was taken from the green room of Saint-Clair Playhouse during the overnight window between 19:00 and 21:15. Investigators have narrowed the field to 5 suspects: Polina (musical director), Hattie (understudy), Diallo (lead actor), Priya (costume designer), Vidal (lighting tech).

#### Q Who took the original script?

1. Polina's witness crew member places them at a hospital visit from 19:00 to roughly 21:15.
2. Priya has no verifiable account of their whereabouts after 19:00.
3. The theft required social-engineering skill. Only Priya, Polina, Vidal have it among the suspects.
4. Box-office key access to the green room is restricted to Priya, Vidal.
5. Vidal's rehearsal sign-in places them at a public event with hundreds of attendees from 19:00 to roughly 21:15.
6. Hattie's stage door camera places them at a remote conference from 19:00 to roughly 21:15.
7. Priya had recent disciplinary action, well-documented in HR records.
8. Diallo's stage door camera places them at a documented training session from 19:00 to roughly 21:15.
9. Priya's box-office key was activated at 19:00 at the green room.

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| A) Priya | B) Vidal | C) Hattie | D) Diallo | E) Polina |
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## Deduction Mysteries

### CASE 05

The master plans were taken from the paint booth of Brightline Industrial during the overnight window between 20:10 and 22:30. Investigators have narrowed the field to 6 suspects: Mahdi (electrician), Iolanthe (shop manager), Wren (apprentice), Vera (welder), Selene (parts clerk), Hadley (painter).

#### Q Who took the master plans?

1. Vera's parts-room audit places them at a hospital visit from 20:10 to roughly 22:30.
2. Wren's shop camera places them at a remote conference from 20:10 to roughly 22:30.
3. Mahdi's shop camera places them at a documented training session from 20:10 to roughly 22:30.
4. The theft required firmware manipulation. Only Iolanthe, Selene, Vera have it among the suspects.
5. Selene has no verifiable account of their whereabouts after 20:10.
6. Hadley's door sensor places them at a remote conference from 20:10 to roughly 22:30.
7. Selene had recent disciplinary action, well-documented in HR records.
8. Iolanthe's shop camera places them at a hospital visit from 20:10 to roughly 22:30.
9. Selene's tool-crib key was activated at 20:10 at the paint booth.
- 10 Tool-crib key access to the paint booth is restricted to Selene, Vera, Iolanthe.

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| A) Hadley | B) Iolanthe | C) Selene | D) Mahdi | E) Wren | F) Vera |
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### CASE 06

The hospital ID badges were taken from the operating theater of Saint-Clair Hospital during the overnight window between 21:00 and 23:00. Investigators have narrowed the field to 5 suspects: Xiomara (security officer), Fariha (head nurse), Amari (social worker), Klaus (pharmacist), Bram (medical resident).

#### Q Who took the hospital ID badges?

1. Fariha's badge log places them at an offsite location from 21:00 to roughly 23:00.
2. The theft required complex schematic knowledge. Only Bram, Xiomara, Klaus have it among the suspects.
3. Xiomara had recent disciplinary action, well-documented in HR records.
4. Pharmacy key access to the operating theater is restricted to Xiomara, Amari.
5. Amari's door sensor places them at an offsite location from 21:00 to roughly 23:00.
6. Klaus's witness staff places them at an offsite location from 21:00 to roughly 23:00.
7. Xiomara has no verifiable account of their whereabouts after 21:00.
8. Bram's elevator log places them at a hospital visit from 21:00 to roughly 23:00.
9. Xiomara's pharmacy key was activated at 21:00 at the operating theater.

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| A) Fariha | B) Amari | C) Bram | D) Klaus | E) Xiomara |
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## Answer Key – Deduction Mysteries

Solve before peeking. Correct suspect and key reasoning steps below.

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### Case 01    B)   Roksana

- ❑ The data theft required professional restoration training, SSH key, and a motivating reason.
  - ❑ Talia lacks the required professional restoration training – cleared.
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### Case 02    C)   Kenji

- ❑ The sample tampering required firmware manipulation, freezer key, and a motivating reason.
  - ❑ Aaliyah lacks the required firmware manipulation – cleared.
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### Case 03    D)   Tomas

- ❑ The theft required complex schematic knowledge, vault key, and a motivating reason.
  - ❑ Zinnia has skill and access but a verified alibi places them offsite – cleared.
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### Case 04    A)   Priya

- ❑ The theft required social-engineering skill, box-office key, and a motivating reason.
  - ❑ Polina has the skill but no box-office key – cleared.
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### Case 05    C)   Selene

- ❑ The theft required firmware manipulation, tool-crib key, and a motivating reason.
  - ❑ Mahdi lacks the required firmware manipulation – cleared.
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### Case 06    E)   Xiomara

- ❑ The theft required complex schematic knowledge, pharmacy key, and a motivating reason.
- ❑ Fariha lacks the required complex schematic knowledge – cleared.