

## Deduction Mysteries

### CASE 01

A research notebook was swapped from the cold-storage freezer of Nordic Bio during the overnight window between 21:45 and 23:45. Investigators have narrowed the field to 5 suspects: Eleni (undergraduate volunteer), Hasan (operations manager), Ginevra (postdoctoral researcher), Yara (visiting scientist), Kasper (safety officer).

#### Q Who swapped the research notebook?

1. Yara's badge swipe places them at a hospital visit from 21:45 to roughly 23:45.
2. The sample tampering required social-engineering skill. Only Kasper, Hasan, Ginevra have it among the suspects.
3. Clean-room access access to the cold-storage freezer is restricted to Eleni, Kasper, Yara.
4. Kasper had an ongoing dispute with management, well-documented in HR records.
5. Kasper has no verifiable account of their whereabouts after 21:45.
6. Ginevra's freezer access log places them at a documented training session from 21:45 to roughly 23:45.
7. A discarded note near the scene briefly suggested Ginevra's involvement, but it was later traced to an unrelated incident.
8. Hasan's freezer access log places them at an offsite location from 21:45 to roughly 23:45.
9. Eleni's freezer access log places them at a public event with hundreds of attendees from 21:45 to roughly 23:45.
- 10 Kasper's clean-room access was activated at 21:45 at the cold-storage freezer.

A) Eleni	B) Kasper	C) Hasan	D) Yara	E) Ginevra
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### CASE 02

A calibration kit was swapped from the cold-storage freezer of Brightline Sciences during the overnight window between 19:00 and 21:15. Investigators have narrowed the field to 5 suspects: Ginevra (safety officer), Marisol (postdoctoral researcher), Bao (clinical coordinator), Odell (principal investigator), Iolanthe (undergraduate volunteer).

#### Q Who swapped the calibration kit?

1. Clean-room access access to the cold-storage freezer is restricted to Iolanthe, Marisol.
2. The sample tampering required firmware manipulation. Only Iolanthe, Marisol, Bao have it among the suspects.
3. Iolanthe had outstanding financial debt, well-documented in HR records.
4. Ginevra's witness sighting places them at a public event with hundreds of attendees from 19:00 to roughly 21:15.
5. Odell's sample log places them at an offsite location from 19:00 to roughly 21:15.
6. Bao's equipment timestamp places them at a documented training session from 19:00 to roughly 21:15.
7. Iolanthe has no verifiable account of their whereabouts after 19:00.
8. Marisol's equipment timestamp places them at a public event with hundreds of attendees from 19:00 to roughly 21:15.
9. Iolanthe's clean-room access was activated at 19:00 at the cold-storage freezer.

A) Ginevra	B) Iolanthe	C) Odell	D) Bao	E) Marisol
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## Deduction Mysteries

### CASE 03

The master plans were taken from the engine assembly area of Pemberton Repair during the overnight window between 19:10 and 21:30. Investigators have narrowed the field to 6 suspects: Elspeth (machinist), Hakim (master mechanic), Helena (electrician), Maeve (customer service rep), Eitan (shop manager), Tarek (welder).

#### Q Who took the master plans?

1. Hakim's parts-room audit places them at a hospital visit from 19:10 to roughly 21:30.
2. Maeve's door sensor places them at a hospital visit from 19:10 to roughly 21:30.
3. Tarek's parts-room audit places them at a hospital visit from 19:10 to roughly 21:30.
4. Elspeth has no verifiable account of their whereabouts after 19:10.
5. The theft required encryption key generation. Only Eitan, Hakim, Elspeth have it among the suspects.
6. Elspeth's tool-crib key was activated at 19:10 at the engine assembly area.
7. Tool-crib key access to the engine assembly area is restricted to Elspeth, Eitan, Hakim.
8. Eitan's witness coworker places them at a public event with hundreds of attendees from 19:10 to roughly 21:30.
9. Helena's door sensor places them at a hospital visit from 19:10 to roughly 21:30.
- 10 Elspeth had recent disciplinary action, well-documented in HR records.
- 11 A discarded note near the scene briefly suggested Maeve's involvement, but it was later traced to an unrelated incident.

A) Eitan	B) Tarek	C) Maeve	D) Helena	E) Hakim	F) Elspeth
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### CASE 04

An equipment manifest was taken from the training facility of Saint-Clair Field House during the overnight window between 21:15 and 23:00. Investigators have narrowed the field to 6 suspects: Ezra (head coach), Arjun (equipment manager), Katarina (assistant coach), Etienne (athletic trainer), Kasper (facilities manager), Ilya (rookie player).

#### Q Who took the equipment manifest?

1. Locker code access to the training facility is restricted to Ezra, Etienne, Katarina.
2. Katarina's facility camera places them at a hospital visit from 21:15 to roughly 23:00.
3. The theft required encryption key generation. Only Kasper, Ezra, Arjun have it among the suspects.
4. A discarded note near the scene briefly suggested Katarina's involvement, but it was later traced to an unrelated incident.
5. Ezra has no verifiable account of their whereabouts after 21:15.
6. Ezra's locker code was activated at 21:15 at the training facility.
7. Arjun's facility camera places them at a remote conference from 21:15 to roughly 23:00.
8. Ezra had passed-over promotion, well-documented in HR records.
9. Etienne's time-clock record places them at a hospital visit from 21:15 to roughly 23:00.
- 10 Ilya's equipment sign-out places them at an offsite location from 21:15 to roughly 23:00.
- 11 Kasper's time-clock record places them at a hospital visit from 21:15 to roughly 23:00.

A) Kasper	B) Ilya	C) Katarina	D) Arjun	E) Etienne	F) Ezra
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## Deduction Mysteries

### CASE 05

A formula draft was swapped from the equipment closet of Pemberton Pharmaceuticals during the overnight window between 20:30 and 22:00. Investigators have narrowed the field to 5 suspects: Nadia (equipment manager), Omari (visiting scientist), Selene (clinical coordinator), Dimah (lab technician), Joren (graduate student).

#### Q Who swapped the formula draft?

1. Joren has no verifiable account of their whereabouts after 20:30.
2. Clean-room access access to the equipment closet is restricted to Joren, Omari.
3. A discarded note near the scene briefly suggested Nadia's involvement, but it was later traced to an unrelated incident.
4. Joren had recent disciplinary action, well-documented in HR records.
5. Joren's clean-room access was activated at 20:30 at the equipment closet.
6. Omari's clean-room entry log places them at an offsite location from 20:30 to roughly 22:00.
7. Nadia's badge swipe places them at an offsite location from 20:30 to roughly 22:00.
8. Dimah's equipment timestamp places them at a documented training session from 20:30 to roughly 22:00.
9. Selene's equipment timestamp places them at a public event with hundreds of attendees from 20:30 to roughly 22:00.
- 10 The sample tampering required firmware manipulation. Only Nadia, Dimah, Joren have it among the suspects.

A) Selene	B) Omari	C) Dimah	D) Joren	E) Nadia
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### CASE 06

The clinical trial samples were taken from the medical records of Helix Health Center during the overnight window between 20:10 and 22:15. Investigators have narrowed the field to 5 suspects: Yara (medical resident), Elara (head nurse), Mei (janitor), Amelia (administrator), Galina (attending physician).

#### Q Who took the clinical trial samples?

1. The theft required firmware manipulation. Only Galina, Yara, Elara have it among the suspects.
2. Galina's administrator code was activated at 20:10 at the medical records.
3. Galina has no verifiable account of their whereabouts after 20:10.
4. Amelia's door sensor places them at a hospital visit from 20:10 to roughly 22:15.
5. Galina had a documented grievance, well-documented in HR records.
6. Elara's door sensor places them at an offsite location from 20:10 to roughly 22:15.
7. Mei's elevator log places them at a hospital visit from 20:10 to roughly 22:15.
8. A discarded note near the scene briefly suggested Amelia's involvement, but it was later traced to an unrelated incident.
9. Yara's pharmacy CCTV places them at a public event with hundreds of attendees from 20:10 to roughly 22:15.
- 10 Administrator code access to the medical records is restricted to Galina, Yara.

A) Elara	B) Amelia	C) Mei	D) Yara	E) Galina
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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) Kasper

- ☒ The sample tampering required social-engineering skill, clean-room access, and a motivating reason.
  - ☒ Eleni lacks the required social-engineering skill – cleared.
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### Case 02 B) Iolanthe

- ☒ The sample tampering required firmware manipulation, clean-room access, and a motivating reason.
  - ☒ Ginevra lacks the required firmware manipulation – cleared.
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### Case 03 F) Elspeth

- ☒ The theft required encryption key generation, tool-crib key, and a motivating reason.
  - ☒ Hakim has skill and access but a verified alibi places them offsite – cleared.
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### Case 04 F) Ezra

- ☒ The theft required encryption key generation, locker code, and a motivating reason.
  - ☒ Arjun has the skill but no locker code – cleared.
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### Case 05 D) Joren

- ☒ The sample tampering required firmware manipulation, clean-room access, and a motivating reason.
  - ☒ Nadia has the skill but no clean-room access – cleared.
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### Case 06 E) Galina

- ☒ The theft required firmware manipulation, administrator code, and a motivating reason.
- ☒ Yara has skill and access but a verified alibi places them offsite – cleared.