

Deduction Mysteries

CASE 01

A research notebook was swapped from the centrifuge bay of Coriolis Institute during the overnight window between 21:30 and 23:45. Investigators have narrowed the field to 6 suspects: Omari (clinical coordinator), Sora (postdoctoral researcher), Diallo (graduate student), Kerensa (lab technician), Indira (safety officer), Wren (equipment manager).

Q Who swapped the research notebook?

1. The sample tampering required advanced lock-picking expertise. Only Sora, Wren, Omari have it among the suspects.
2. Sora has no verifiable account of their whereabouts after 21:30.
3. Diallo's sample log places them at a hospital visit from 21:30 to roughly 23:45.
4. Kerensa's witness sighting places them at a remote conference from 21:30 to roughly 23:45.
5. Biohazard clearance access to the centrifuge bay is restricted to Diallo, Sora.
6. Wren's sample log places them at a documented training session from 21:30 to roughly 23:45.
7. Sora had outstanding financial debt, well-documented in HR records.
8. Omari's equipment timestamp places them at a remote conference from 21:30 to roughly 23:45.
9. Indira's sample log places them at a remote conference from 21:30 to roughly 23:45.
- 10 Sora's biohazard clearance was activated at 21:30 at the centrifuge bay.

A) Sora	B) Omari	C) Diallo	D) Indira	E) Kerensa	F) Wren
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CASE 02

An accounting ledger was taken from the data center of Northgate Partners during the overnight window between 20:00 and 22:00. Investigators have narrowed the field to 6 suspects: Etienne (records clerk), Frida (CFO), Stellan (intern), Mauro (senior engineer), Xiomara (facilities coordinator), Helena (executive assistant).

Q Who took the accounting ledger?

1. A discarded note near the scene briefly suggested Helena's involvement, but it was later traced to an unrelated incident.
2. The corporate theft required firmware manipulation. Only Mauro, Xiomara, Frida have it among the suspects.
3. Mauro's security badge log places them at a documented training session from 20:00 to roughly 22:00.
4. Admin credentials access to the data center is restricted to Xiomara, Etienne, Stellan.
5. Xiomara had an ongoing dispute with management, well-documented in HR records.
6. Xiomara has no verifiable account of their whereabouts after 20:00.
7. Helena's VPN session log places them at a documented training session from 20:00 to roughly 22:00.
8. Etienne's VPN session log places them at a remote conference from 20:00 to roughly 22:00.
9. Stellan's printer log places them at an offsite location from 20:00 to roughly 22:00.
- 10 Frida's elevator log places them at a public event with hundreds of attendees from 20:00 to roughly 22:00.
- 11 Xiomara's admin credentials was activated at 20:00 at the data center.

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CASE 03

A medical equipment was taken from the administrator office of Brierfield Hospital during the overnight window between 19:30 and 21:15. Investigators have narrowed the field to 5 suspects: Xanthe (pharmacist), Rosalind (administrator), Hadley (social worker), Saoirse (attending physician), Gemma (head nurse).

Q Who took the medical equipment?

1. Hadley had an ongoing dispute with management, well-documented in HR records.
2. A discarded note near the scene briefly suggested Rosalind's involvement, but it was later traced to an unrelated incident.
3. Gemma's witness staff places them at a documented training session from 19:30 to roughly 21:15.
4. The theft required professional restoration training. Only Hadley, Gemma, Xanthe have it among the suspects.
5. Hadley has no verifiable account of their whereabouts after 19:30.
6. Xanthe's door sensor places them at a documented training session from 19:30 to roughly 21:15.
7. Hadley's restricted-wing access was activated at 19:30 at the administrator office.
8. Rosalind's medication audit places them at a public event with hundreds of attendees from 19:30 to roughly 21:15.
9. Restricted-wing access access to the administrator office is restricted to Saoirse, Gemma, Hadley.
- 10 Saoirse's elevator log places them at a public event with hundreds of attendees from 19:30 to roughly 21:15.

A) Hadley	B) Saoirse	C) Gemma	D) Xanthe	E) Rosalind
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CASE 04

The admin credentials were extracted from the war room of Brightline Software during the overnight window between 20:00 and 22:45. Investigators have narrowed the field to 6 suspects: Gunnar (support lead), Omari (security analyst), Amari (contractor), Nikolai (senior engineer), Joren (data scientist), Hiroshi (DevOps lead).

Q Who extracted the admin credentials?

1. Joren has no verifiable account of their whereabouts after 20:00.
2. Admin token access to the war room is restricted to Joren, Hiroshi, Omari.
3. The data theft required firmware manipulation. Only Amari, Gunnar, Joren have it among the suspects.
4. Joren had passed-over promotion, well-documented in HR records.
5. Nikolai's VPN session log places them at a public event with hundreds of attendees from 20:00 to roughly 22:45.
6. Amari's CCTV camera places them at a hospital visit from 20:00 to roughly 22:45.
7. Omari's SSH authentication log places them at a public event with hundreds of attendees from 20:00 to roughly 22:45.
8. Hiroshi's MFA token log places them at a remote conference from 20:00 to roughly 22:45.
9. Joren's admin token was activated at 20:00 at the war room.
- 10 Gunnar's SSH authentication log places them at an offsite location from 20:00 to roughly 22:45.

A) Amari	B) Nikolai	C) Omari	D) Gunnar	E) Hiroshi	F) Joren
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CASE 05

A reference card index was taken from the rare books vault of Saint-Clair Collection during the overnight window between 21:15 and 23:30. Investigators have narrowed the field to 5 suspects: Amari (intern), Zephyr (cataloger), Maeve (rare-books curator), Idris (volunteer), Faye (archivist).

Q Who took the reference card index?

1. Amari's witness patron places them at a hospital visit from 21:15 to roughly 23:30.
2. Archive badge access to the rare books vault is restricted to Maeve, Amari, Zephyr.
3. Idris's door sensor places them at a documented training session from 21:15 to roughly 23:30.
4. Faye's witness patron places them at a public event with hundreds of attendees from 21:15 to roughly 23:30.
5. Maeve has no verifiable account of their whereabouts after 21:15.
6. Maeve had recent disciplinary action, well-documented in HR records.
7. Maeve's archive badge was activated at 21:15 at the rare books vault.
8. Zephyr's security camera places them at a remote conference from 21:15 to roughly 23:30.
9. The theft required advanced lock-picking expertise. Only Zephyr, Maeve, Faye have it among the suspects.

A) Amari	B) Idris	C) Zephyr	D) Maeve	E) Faye
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CASE 06

A principal's personal file was taken from the faculty lounge of Northgate Academy during the overnight window between 20:10 and 22:30. Investigators have narrowed the field to 6 suspects: Ishaan (school counselor), Odell (janitor), Jules (department head), Leila (coach), Jacinta (secretary), Frida (teacher).

Q Who took the principal's personal file?

1. Leila's attendance log places them at a hospital visit from 20:10 to roughly 22:30.
2. The theft required social-engineering skill. Only Frida, Jacinta, Jules have it among the suspects.
3. A discarded note near the scene briefly suggested Leila's involvement, but it was later traced to an unrelated incident.
4. Odell's door sensor places them at a remote conference from 20:10 to roughly 22:30.
5. Ishaan's door sensor places them at an offsite location from 20:10 to roughly 22:30.
6. Records-room badge access to the faculty lounge is restricted to Frida, Jules.
7. Frida has no verifiable account of their whereabouts after 20:10.
8. Frida's records-room badge was activated at 20:10 at the faculty lounge.
9. Jacinta's printer log places them at a remote conference from 20:10 to roughly 22:30.
10. Frida had an ongoing dispute with management, well-documented in HR records.
11. Jules's attendance log places them at a public event with hundreds of attendees from 20:10 to roughly 22:30.

A) Odell	B) Jacinta	C) Ishaan	D) Jules	E) Frida	F) Leila
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Answer Key – Deduction Mysteries

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

Case 01 A) Sora

- ❑ The sample tampering required advanced lock-picking expertise, biohazard clearance, and a motivating reason.
 - ❑ Omari has the skill but no biohazard clearance – cleared.
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Case 02 A) Xiomara

- ❑ The corporate theft required firmware manipulation, admin credentials, and a motivating reason.
 - ❑ Etienne lacks the required firmware manipulation – cleared.
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Case 03 A) Hadley

- ❑ The theft required professional restoration training, restricted-wing access, and a motivating reason.
 - ❑ Xanthe has the skill but no restricted-wing access – cleared.
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Case 04 F) Joren

- ❑ The data theft required firmware manipulation, admin token, and a motivating reason.
 - ❑ Gunnar has the skill but no admin token – cleared.
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Case 05 D) Maeve

- ❑ The theft required advanced lock-picking expertise, archive badge, and a motivating reason.
 - ❑ Amari lacks the required advanced lock-picking expertise – cleared.
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Case 06 E) Frida

- ❑ The theft required social-engineering skill, records-room badge, and a motivating reason.
- ❑ Ishaan lacks the required social-engineering skill – cleared.