

Deduction Mysteries

CASE 01

A confidential memo was taken from the filing cabinet of Atlas Group during the overnight window between 19:00 and 21:30. Investigators have narrowed the field to 5 suspects: Indira (CFO), Roksana (senior engineer), Mikael (security officer), Polina (HR director), Alessio (intern).

Q Who took the confidential memo?

1. Elevator key access to the filing cabinet is restricted to Roksana, Polina.
2. A discarded note near the scene briefly suggested Mikael's involvement, but it was later traced to an unrelated incident.
3. Roksana had outstanding financial debt, well-documented in HR records.
4. Polina's witness account places them at an offsite location from 19:00 to roughly 21:30.
5. Alessio's VPN session log places them at an offsite location from 19:00 to roughly 21:30.
6. Roksana has no verifiable account of their whereabouts after 19:00.
7. Mikael's security badge log places them at a hospital visit from 19:00 to roughly 21:30.
8. The corporate theft required encryption key generation. Only Roksana, Mikael, Indira have it among the suspects.
9. Roksana's elevator key was activated at 19:00 at the filing cabinet.
- 10 Indira's witness account places them at a remote conference from 19:00 to roughly 21:30.

A) Roksana	B) Mikael	C) Alessio	D) Polina	E) Indira
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CASE 02

A research notebook was swapped from the PI office of Nordic Bio during the overnight window between 19:30 and 21:15. Investigators have narrowed the field to 5 suspects: Leila (undergraduate volunteer), Omari (principal investigator), Indira (operations manager), Roksana (graduate student), Bao (safety officer).

Q Who swapped the research notebook?

1. Roksana's sample log places them at a public event with hundreds of attendees from 19:30 to roughly 21:15.
2. A discarded note near the scene briefly suggested Indira's involvement, but it was later traced to an unrelated incident.
3. Leila has no verifiable account of their whereabouts after 19:30.
4. The sample tampering required complex schematic knowledge. Only Leila, Omari, Bao have it among the suspects.
5. Bao's badge swipe places them at a remote conference from 19:30 to roughly 21:15.
6. Indira's freezer access log places them at a hospital visit from 19:30 to roughly 21:15.
7. Leila's clean-room access was activated at 19:30 at the PI office.
8. Omari's sample log places them at a public event with hundreds of attendees from 19:30 to roughly 21:15.
9. Leila had a documented grievance, well-documented in HR records.
- 10 Clean-room access access to the PI office is restricted to Omari, Leila.

A) Indira	B) Roksana	C) Omari	D) Bao	E) Leila
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CASE 03

A sequencing chip was swapped from the prep bench of Aldermarsh Laboratory during the overnight window between 19:30 and 21:45. Investigators have narrowed the field to 5 suspects: Thora (operations manager), Magnus (postdoctoral researcher), Hadley (safety officer), Gunnar (equipment manager), Kalisa (undergraduate volunteer).

Q Who swapped the sequencing chip?

1. Gunnar's sample log places them at a remote conference from 19:30 to roughly 21:45.
2. Thora's lab badge was activated at 19:30 at the prep bench.
3. Thora has no verifiable account of their whereabouts after 19:30.
4. The sample tampering required social-engineering skill. Only Thora, Gunnar, Hadley have it among the suspects.
5. Thora had a documented grievance, well-documented in HR records.
6. Kalisa's badge swipe places them at a hospital visit from 19:30 to roughly 21:45.
7. Lab badge access to the prep bench is restricted to Thora, Magnus.
8. Magnus's badge swipe places them at an offsite location from 19:30 to roughly 21:45.
9. Hadley's freezer access log places them at an offsite location from 19:30 to roughly 21:45.

A) Hadley	B) Kalisa	C) Gunnar	D) Thora	E) Magnus
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CASE 04

The quarterly financials were extracted from the server farm of Velocity Networks during the overnight window between 21:45 and 23:15. Investigators have narrowed the field to 6 suspects: Jacinta (senior engineer), Emiko (DevOps lead), Jules (intern), Cosima (CTO), Polina (contractor), Simeon (product manager).

Q Who extracted the quarterly financials?

1. Cosima's VPN session log places them at an offsite location from 21:45 to roughly 23:15.
2. Emiko had recent disciplinary action, well-documented in HR records.
3. Emiko's MFA device was activated at 21:45 at the server farm.
4. Polina's witness colleague places them at a hospital visit from 21:45 to roughly 23:15.
5. Simeon's CCTV camera places them at an offsite location from 21:45 to roughly 23:15.
6. Emiko has no verifiable account of their whereabouts after 21:45.
7. MFA device access to the server farm is restricted to Polina, Emiko, Simeon.
8. Jacinta's CCTV camera places them at a remote conference from 21:45 to roughly 23:15.
9. The data theft required encryption key generation. Only Emiko, Jacinta, Cosima have it among the suspects.
- 10 Jules's SSH authentication log places them at a documented training session from 21:45 to roughly 23:15.

A) Emiko	B) Simeon	C) Jules	D) Cosima	E) Jacinta	F) Polina
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Deduction Mysteries

CASE 05

A lead actor's costume was taken from the sound booth of Northgate Stage during the overnight window between 21:00 and 23:45. Investigators have narrowed the field to 6 suspects: Fenella (lighting tech), Dimitri (director), Fariha (prop master), Beatrix (costume designer), Ravi (understudy), Nadia (musical director).

Q Who took the lead actor's costume?

1. Fenella's box-office key was activated at 21:00 at the sound booth.
2. Fenella has no verifiable account of their whereabouts after 21:00.
3. Fenella had an ongoing dispute with management, well-documented in HR records.
4. The theft required encryption key generation. Only Dimitri, Fenella, Beatrix have it among the suspects.
5. Nadia's stage door camera places them at a hospital visit from 21:00 to roughly 23:45.
6. Ravi's dressing-room sign-in places them at an offsite location from 21:00 to roughly 23:45.
7. Dimitri's stage door camera places them at an offsite location from 21:00 to roughly 23:45.
8. Fariha's box-office system places them at a hospital visit from 21:00 to roughly 23:45.
9. Box-office key access to the sound booth is restricted to Fenella, Ravi, Beatrix.
10. Beatrix's rehearsal sign-in places them at a remote conference from 21:00 to roughly 23:45.

A) Nadia	B) Fariha	C) Dimitri	D) Fenella	E) Beatrix	F) Ravi
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CASE 06

A prop weapon was taken from the dressing room of Argent Theatre during the overnight window between 20:10 and 22:45. Investigators have narrowed the field to 5 suspects: Aurora (understudy), Quentin (stage manager), Thora (stagehand), Cassia (lighting tech), Zephyr (prop master).

Q Who took the prop weapon?

1. Cassia's box-office key was activated at 20:10 at the dressing room.
2. Box-office key access to the dressing room is restricted to Cassia, Quentin.
3. The theft required medical sedative protocols. Only Zephyr, Quentin, Cassia have it among the suspects.
4. Aurora's props inventory log places them at a documented training session from 20:10 to roughly 22:45.
5. Zephyr's box-office system places them at a documented training session from 20:10 to roughly 22:45.
6. Cassia had an ongoing dispute with management, well-documented in HR records.
7. Thora's box-office system places them at a remote conference from 20:10 to roughly 22:45.
8. Quentin's props inventory log places them at a public event with hundreds of attendees from 20:10 to roughly 22:45.
9. Cassia has no verifiable account of their whereabouts after 20:10.

A) Zephyr	B) Cassia	C) Thora	D) Quentin	E) Aurora
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Answer Key – Deduction Mysteries

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

Case 01 A) Roksana

- ❑ The corporate theft required encryption key generation, elevator key, and a motivating reason.
 - ❑ Indira has the skill but no elevator key – cleared.
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Case 02 E) Leila

- ❑ The sample tampering required complex schematic knowledge, clean-room access, and a motivating reason.
 - ❑ Omari has skill and access but a verified alibi places them offsite – cleared.
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Case 03 D) Thora

- ❑ The sample tampering required social-engineering skill, lab badge, and a motivating reason.
 - ❑ Magnus lacks the required social-engineering skill – cleared.
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Case 04 A) Emiko

- ❑ The data theft required encryption key generation, MFA device, and a motivating reason.
 - ❑ Jacinta has the skill but no MFA device – cleared.
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Case 05 D) Fenella

- ❑ The theft required encryption key generation, box-office key, and a motivating reason.
 - ❑ Dimitri has the skill but no box-office key – cleared.
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Case 06 B) Cassia

- ❑ The theft required medical sedative protocols, box-office key, and a motivating reason.
 - ❑ Aurora lacks the required medical sedative protocols – cleared.
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