

Deduction Mysteries

CASE 01

The prototype specifications were taken from the secure terminal of Velocity Labs during the overnight window between 00:15 and 04:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Fenella (facilities coordinator), Odell (IT administrator), Alessio (HR director), Bram (records clerk), Noor (security officer), Wren (legal counsel), Elara (executive assistant). Several have strong-looking motives.

Q Who took the prototype specifications?

1. Odell was passed over for a recent promotion – appears to have motive.
2. Bram had financial pressure – appears to have motive.
3. However: Alessio is cleared – but they were on a documented overnight flight, verified by airline records.
4. Odell has documented hands-on history with the item and a master key issued only to senior staff and possession of the specific tool used – initial suspicion was high.
5. Fenella claims to have exited the building at 22:15 – the official badge log confirms this.
6. Fenella has all four requirements: a master key issued only to senior staff, documented hands-on history with the item, possession of the specific tool used, and meets the temporal requirement (presence between 00:15 and 04:30).
7. Four independent requirements: a master key issued only to senior staff, documented hands-on history with the item, presence between 00:15 and 04:30, and possession of the specific tool used.
8. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Fenella.
9. Alessio has documented hands-on history with the item and a master key issued only to senior staff – initial suspicion was high.
- 10 Initial assumption pointed to Odell because of being seen near the building, but this has been independently ruled out.

CASE 02

A SSL certificate was extracted from the data archive of Atlas Cloud during the overnight window between 02:30 and 06:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Tariq (data scientist), Aaliyah (product manager), Isolde (intern), Joaquin (CTO), Arjun (DevOps lead), Elara (senior engineer), Damaris (contractor), Alessio (site-reliability engineer). Several have strong-looking motives.

Q Who extracted the SSL certificate?

1. Isolde has authorization to handle the item and clean-room or vault clearance and specialized engineering certification – initial suspicion was high.
2. The trace at the scene (a hand-machined tool stocked in only one closet) ties directly to inventory or systems uniquely accessible to Joaquin.
3. But: however the elevator override log shows their vehicle remained in the lot until well after 02:30.
4. Four independent requirements: specialized engineering certification, clean-room or vault clearance, presence between 02:30 and 06:00, and authorization to handle the item.
5. The data theft involved a hand-machined tool stocked in only one closet.
6. Tariq's MFA token log shows them off-site the entire window.
7. Initial assumption pointed to Elara because of being seen near the building, but this has been independently ruled out.
8. Damaris lacks clean-room or vault clearance – security audit confirms.
9. Isolde filed a grievance two weeks ago – appears to have motive.
- 10 Aaliyah has clean-room or vault clearance and authorization to handle the item – initial suspicion was high.

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CASE 03

An expensive welding rod was taken from the customer pickup bay of Brightline Industrial during the overnight window between 01:15 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Isolde (apprentice), Stellan (welder), Tatum (parts clerk), Hiroshi (machinist), Elspeth (painter), Maeve (electrician), Ines (master mechanic), Nizar (quality inspector). Several have strong-looking motives.

Q Who took the expensive welding rod?

1. But: however the unsecured pedestrian door doesn't require a badge to re-enter.
2. Hiroshi clashed publicly with management – appears to have motive.
3. Hiroshi has documented hands-on history with the item and possession of the specific tool used – initial suspicion was high.
4. Isolde had financial pressure – appears to have motive.
5. Maeve lacks advanced restoration training – confirmed by personnel records.
6. Nizar has all four requirements: advanced restoration training, documented hands-on history with the item, possession of the specific tool used, and meets the temporal requirement (presence between 01:15 and 04:15).
7. Isolde has documented hands-on history with the item and advanced restoration training – initial suspicion was high.
8. Ines lacks advanced restoration training – confirmed by personnel records.
9. Elspeth's shop camera shows them off-site the entire window.
- 10 However: Tatum is cleared – but tool-checkout log places them at the hospital with a family emergency during the entire window.
- 11 Tatum has documented hands-on history with the item and advanced restoration training and possession of the specific tool used – initial suspicion was high.

CASE 04

A source code repository was extracted from the DevOps room of Atlas Cloud during the overnight window between 02:00 and 06:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Lana (data scientist), Diallo (CTO), Mira (support lead), Bram (security analyst), Phaedra (senior engineer), Jules (intern), Wilder (DevOps lead). Several have strong-looking motives.

Q Who extracted the source code repository?

1. But: however DHCP log records show they re-authenticated from an internal network at 1:40.
2. Initial assumption pointed to Wilder because of proximity to the scene earlier, but this has been independently ruled out.
3. However: Phaedra is cleared – but two independent witnesses confirm a video call with them throughout the window.
4. Lana clashed publicly with management – appears to have motive.
5. However: Wilder is cleared – but their VPN credentials was revoked the day before – confirmed in the security audit.
6. Four independent requirements: advanced restoration training, clean-room or vault clearance, presence between 02:00 and 06:00, and authorization to handle the item.
7. Phaedra was passed over for a recent promotion – appears to have motive.
8. Mira claims to have exited the building at 22:50 – the official badge log confirms this.
9. Phaedra has clean-room or vault clearance and authorization to handle the item – initial suspicion was high.
- 10 The data theft involved a seal cut with a serial pattern from a specific supply.
- 11 Bram lacks advanced restoration training – confirmed by personnel records.

Deduction Mysteries

CASE 05

An Etruscan pendant was taken from the archive room of Brookfield Art Institute during the overnight window between 00:45 and 03:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Mei (gift shop manager), Renata (security guard), Octavia (night security), Meriel (archivist), Klaus (exhibition designer), Xanthe (art restorer), Lucia (janitor). Several have strong-looking motives.

Q Who took the Etruscan pendant?

1. Initial assumption pointed to Xanthe because of proximity to the scene earlier, but this has been independently ruled out.
2. Four independent requirements: clearance to the restricted archive, documented hands-on history with the item, presence between 00:45 and 03:45, and knowledge of the seal serial pattern.
3. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
4. Mei claims to have exited the building at 22:25 – the official badge log confirms this.
5. Klaus has clearance to the restricted archive and documented hands-on history with the item and knowledge of the seal serial pattern – initial suspicion was high.
6. However: Klaus is cleared – but they were on a documented overnight flight, verified by airline records.
7. However: Lucia is cleared – but door sensor places them at the hospital with a family emergency during the entire window.
8. Meriel lacks documented hands-on history with the item – security audit confirms.
9. Xanthe filed a grievance two weeks ago – appears to have motive.
10. However: Xanthe is cleared – but two independent witnesses confirm a video call with them throughout the window.
11. Klaus clashed publicly with management – appears to have motive.

CASE 06

A musical score was taken from the dressing room of Argent Theatre during the overnight window between 02:30 and 05:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Ravi (lighting tech), Etienne (lead actor), Sora (stagehand), Joren (prop master), Zinnia (musical director), Rosalind (director), Ilya (stage manager), Ines (costume designer). Several have strong-looking motives.

Q Who took the musical score?

1. Joren has authorization to handle the item and advanced restoration training – initial suspicion was high.
2. However: Joren is cleared – but their prop-room code was revoked the day before – confirmed in the security audit.
3. Ines had financial pressure – appears to have motive.
4. Rosalind has advanced restoration training and authorization to handle the item – initial suspicion was high.
5. Sora lacks a verified relationship with the donor – security audit confirms.
6. However: Rosalind is cleared – but they were on a documented overnight flight, verified by airline records.
7. Ilya lacks a verified relationship with the donor – security audit confirms.
8. Ravi their video call ended at 22:00 according to the system.
9. Ines has advanced restoration training and authorization to handle the item and a verified relationship with the donor – initial suspicion was high.
10. The theft involved a network certificate signed by senior staff.
11. Four independent requirements: advanced restoration training, a verified relationship with the donor, presence between 02:30 and 05:00, and authorization to handle the item.

Answer Key – Deduction Mysteries

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

Case 01 E) Fenella

- ☒ Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 00:15 and 04:30, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Odell appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 A) Joaquin

- ☒ Four requirements (specialized engineering certification, clean-room or vault clearance, presence between 02:30 and 06:00, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Arjun appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 C) Nizar

- ☒ Four requirements (advanced restoration training, documented hands-on history with the item, presence between 01:15 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Tatum appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 F) Mira

- ☒ Four requirements (advanced restoration training, clean-room or vault clearance, presence between 02:00 and 06:00, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Wilder appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 D) Mei

- ☒ Four requirements (clearance to the restricted archive, documented hands-on history with the item, presence between 00:45 and 03:45, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Klaus appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 F) Ravi

- ☒ Four requirements (advanced restoration training, a verified relationship with the donor, presence between 02:30 and 05:00, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Ines appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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