

Deduction Mysteries

CASE 01

A genealogy register was taken from the administrator office of Helix Heritage Foundation during the overnight window between 00:15 and 03:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Omari (security officer), Roksana (administrator), Mei (head archivist), Alessio (records administrator), Renata (genealogist), Mira (intern), Lucia (researcher), Eitan (conservation specialist). Several have strong-looking motives.

Q Who took the genealogy register?

1. Four independent requirements: specialized engineering certification, documented hands-on history with the item, presence between 00:15 and 03:00, and possession of the specific tool used.
2. Lucia has all four requirements: specialized engineering certification, documented hands-on history with the item, possession of the specific tool used, and meets the temporal requirement (presence between 00:15 and 03:00).
3. Mira had financial pressure – appears to have motive.
4. Omari has possession of the specific tool used and documented hands-on history with the item – initial suspicion was high.
5. Renata lacks documented hands-on history with the item – security audit confirms.
6. Alessio's vault entry record shows them off-site the entire window.
7. Omari had financial pressure – appears to have motive.
8. The theft involved a network certificate signed by senior staff.
9. However: Mei is cleared – but their research-room pass was revoked the day before – confirmed in the security audit.
- 10 Initial assumption pointed to Eitan because of proximity to the scene earlier, but this has been independently ruled out.

CASE 02

An equipment manifest was taken from the press box of Saint-Clair Field House during the overnight window between 02:00 and 06:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Aleksandr (facilities manager), Cassia (assistant coach), Cedric (referee), Florian (equipment manager), Dario (team statistician), Ezra (athletic trainer), Akira (rookie player), Yvonne (star player). Several have strong-looking motives.

Q Who took the equipment manifest?

1. Dario has a master key issued only to senior staff and documented hands-on history with the item and possession of the specific tool used – initial suspicion was high.
2. However: Dario is cleared – but they were on a documented overnight flight, verified by airline records.
3. Cassia filed a grievance two weeks ago – appears to have motive.
4. Yvonne has documented hands-on history with the item and possession of the specific tool used – initial suspicion was high.
5. Dario had financial pressure – appears to have motive.
6. Ezra has only a master key issued only to senior staff of the four requirements.
7. Four independent requirements: a master key issued only to senior staff, documented hands-on history with the item, presence between 02:00 and 06:15, and possession of the specific tool used.
8. Aleksandr 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 02:00 and 06:15).
9. Yvonne clashed publicly with management – appears to have motive.
- 10 Akira lacks a master key issued only to senior staff – confirmed by personnel records.

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CASE 03

An illuminated codex was taken from the special collections room of Quartermaine Archive during the overnight window between 00:00 and 03:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Aaliyah (cataloger), Darya (visiting scholar), Sora (volunteer), Nikolai (rare-books curator), Kai (custodian), Dario (research assistant), Nizar (head librarian). Several have strong-looking motives.

Q Who took the illuminated codex?

1. However: Dario is cleared – but they were on a documented overnight flight, verified by airline records.
2. Four independent requirements: a master key issued only to senior staff, after-hours building access, presence between 00:00 and 03:00, and familiarity with the security routing.
3. Darya's archive log shows them off-site the entire window.
4. Dario has a master key issued only to senior staff and familiarity with the security routing – initial suspicion was high.
5. Nikolai has a master key issued only to senior staff and familiarity with the security routing and after-hours building access – initial suspicion was high.
6. Kai has after-hours building access and familiarity with the security routing – initial suspicion was high.
7. Kai had financial pressure – appears to have motive.
8. Sora has all four requirements: a master key issued only to senior staff, after-hours building access, familiarity with the security routing, and meets the temporal requirement (presence between 00:00 and 03:00).
9. Dario filed a grievance two weeks ago – appears to have motive.
- 10 But: however parking-lot camera records show they re-authenticated from an internal network at 1:05.

CASE 04

The box-office receipts were taken from the box office of Pemberton Opera House during the overnight window between 02:30 and 05:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Priya (stage manager), Elara (prop master), Juno (director), Elspeth (musical director), Jules (understudy), Darya (box-office manager), Gemma (costume designer), Galina (lead actor). Several have strong-looking motives.

Q Who took the box-office receipts?

1. Elara has all four requirements: advanced restoration training, administrator credentials, possession of the specific tool used, and meets the temporal requirement (presence between 02:30 and 05:15).
2. But: however VPN session record records show they re-authenticated from an internal network at 2:40.
3. Galina had financial pressure – appears to have motive.
4. Initial assumption pointed to Elspeth because of being seen near the building, but this has been independently ruled out.
5. Four independent requirements: advanced restoration training, administrator credentials, presence between 02:30 and 05:15, and possession of the specific tool used.
6. However: Galina is cleared – but they were on a documented overnight flight, verified by airline records.
7. Gemma has only advanced restoration training of the four requirements.
8. The theft involved a network certificate signed by senior staff.
9. Darya lacks administrator credentials – security audit confirms.
- 10 Jules had financial pressure – appears to have motive.
- 11 Priya's witness crew member shows them off-site the entire window.

Deduction Mysteries

CASE 05

A reservation book was taken from the dining floor of Aldermarsh Bistro during the overnight window between 02:15 and 05:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Amari (server), Tomas (sommelier), Roksana (pastry chef), Cassia (head chef), Sami (bartender), Ronan (manager), Priya (sous chef), Wren (dishwasher). Several have strong-looking motives.

Q Who took the reservation book?

1. Ronan lacks a verified relationship with the donor – security audit confirms.
2. However: Roksana is cleared – but front-of-house camera places them at the hospital with a family emergency during the entire window.
3. Sami's front-of-house camera shows them off-site the entire window.
4. Four independent requirements: advanced restoration training, a verified relationship with the donor, presence between 02:15 and 05:30, and authorization to handle the item.
5. However: Wren is cleared – but their cellar key was revoked the day before – confirmed in the security audit.
6. Cassia has all four requirements: advanced restoration training, a verified relationship with the donor, authorization to handle the item, and meets the temporal requirement (presence between 02:15 and 05:30).
7. Initial assumption pointed to Amari because of public friction with management, but this has been independently ruled out.
8. The theft involved a network certificate signed by senior staff.
9. Priya had financial pressure – appears to have motive.
- 10 Wren clashed publicly with management – appears to have motive.
- 11 Roksana has advanced restoration training and a verified relationship with the donor – initial suspicion was high.

CASE 06

An oil painting was taken from the private collection room of Pemberton Wing during the overnight window between 00:45 and 03:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Alejandro (tour guide), Kalisa (art restorer), Idris (security guard), Kasper (archivist), Quincy (exhibition designer), Bjorn (curator), Arjun (docent), Ula (janitor). Several have strong-looking motives.

Q Who took the oil painting?

1. Arjun lacks clearance to the restricted archive – confirmed by personnel records.
2. Kasper lacks administrator credentials – security audit confirms.
3. However: Kalisa is cleared – but two independent witnesses confirm a video call with them throughout the window.
4. Ula has all four requirements: clearance to the restricted archive, administrator credentials, authorization to handle the item, and meets the temporal requirement (presence between 00:45 and 03:00).
5. However: Bjorn is cleared – but they were on a documented overnight flight, verified by airline records.
6. Bjorn has clearance to the restricted archive and authorization to handle the item and administrator credentials – initial suspicion was high.
7. Initial assumption pointed to Kalisa because of public friction with management, but this has been independently ruled out.
8. Alejandro lacks clearance to the restricted archive – confirmed by personnel records.
9. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Ula.
- 10 Ula claims to have exited the building at 23:45 – the official badge log confirms this.

Answer Key – Deduction Mysteries

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

Case 01 **undefined**) Lucia

- ☒ Four requirements (specialized engineering certification, documented hands-on history with the item, presence between 00:15 and 03:00, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Omari appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 **undefined**) Aleksandr

- ☒ Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 02:00 and 06:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Cassia appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 **E**) Sora

- ☒ Four requirements (a master key issued only to senior staff, after-hours building access, presence between 00:00 and 03:00, familiarity with the security routing) plus a unique technical trace narrow the case.
 - ☒ Nikolai appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 **E**) Elara

- ☒ Four requirements (advanced restoration training, administrator credentials, presence between 02:30 and 05:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Elspeth appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 **C**) Cassia

- ☒ Four requirements (advanced restoration training, a verified relationship with the donor, presence between 02:15 and 05:30, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Wren appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 **E**) Ula

- ☒ Four requirements (clearance to the restricted archive, administrator credentials, presence between 00:45 and 03:00, authorization to handle the item) plus a unique technical trace narrow the case.
- ☒ Quincy appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.