

Deduction Mysteries

CASE 01

A catering payment was taken from the pastry station of Saint-Clair Café during the overnight window between 00:45 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Mahdi (bartender), Lucia (line cook), Kalisa (sommelier), Bram (manager), Finnegan (host), Zara (pastry chef), Kalinda (head chef), Phaedra (server). Several have strong-looking motives.

Q Who took the catering payment?

1. Kalinda claims to have exited the building at 23:20 – the official badge log confirms this.
2. Initial assumption pointed to Phaedra because of proximity to the scene earlier, but this has been independently ruled out.
3. Four independent requirements: specialized engineering certification, after-hours building access, presence between 00:45 and 04:15, and authorization to handle the item.
4. Mahdi lacks after-hours building access – security audit confirms.
5. Zara had financial pressure – appears to have motive.
6. Zara has after-hours building access and authorization to handle the item and specialized engineering certification – initial suspicion was high.
7. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Kalinda.
8. Bram has after-hours building access and specialized engineering certification – initial suspicion was high.
9. Bram was passed over for a recent promotion – appears to have motive.
- 10 Kalinda has all four requirements: specialized engineering certification, after-hours building access, authorization to handle the item, and meets the temporal requirement (presence between 00:45 and 04:15).

CASE 02

A rare first edition was taken from the periodicals room of Northgate Library during the overnight window between 01:00 and 05:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Zephyr (rare-books curator), Caelan (intern), Magnus (research assistant), Ronan (reference librarian), Meriel (volunteer), Katarina (archivist), Kiran (custodian). Several have strong-looking motives.

Q Who took the rare first edition?

1. However: Caelan is cleared – but they were on a documented overnight flight, verified by airline records.
2. Zephyr had financial pressure – appears to have motive.
3. Katarina's archive log shows them off-site the entire window.
4. Zephyr has a verified relationship with the donor and elevated system privileges and familiarity with the security routing – initial suspicion was high.
5. Four independent requirements: elevated system privileges, a verified relationship with the donor, presence between 01:00 and 05:15, and familiarity with the security routing.
6. Magnus's security camera shows them off-site the entire window.
7. Caelan has familiarity with the security routing and elevated system privileges and a verified relationship with the donor – initial suspicion was high.
8. But: however the unsecured pedestrian door doesn't require a badge to re-enter.
9. Ronan lacks elevated system privileges – confirmed by personnel records.
- 10 Caelan was passed over for a recent promotion – appears to have motive.
- 11 However: Meriel is cleared – but they were on a documented overnight flight, verified by airline records.

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CASE 03

A Vermeer sketch was taken from the prep workshop of Argent Gallery during the overnight window between 02:30 and 05:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Yusuf (art restorer), Florian (security guard), Leander (docent), Galina (janitor), Maeve (exhibition designer), Theo (curator), Ilya (gift shop manager). Several have strong-looking motives.

Q Who took the Vermeer sketch?

1. But: however DHCP log records show they re-authenticated from an internal network at 2:15.
2. However: Leander is cleared – but they were on a documented overnight flight, verified by airline records.
3. Galina's door sensor shows them off-site the entire window.
4. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Maeve.
5. However: Ilya is cleared – but their security badge was revoked the day before – confirmed in the security audit.
6. Theo has only a master key issued only to senior staff of the four requirements.
7. Leander had financial pressure – appears to have motive.
8. Four independent requirements: a master key issued only to senior staff, administrator credentials, presence between 02:30 and 05:30, and knowledge of the seal serial pattern.
9. Maeve their video call ended at 22:10 according to the system.
- 10 Ilya has a master key issued only to senior staff and knowledge of the seal serial pattern and . administrator credentials – initial suspicion was high.
- 11 Leander has administrator credentials and knowledge of the seal serial pattern – initial suspicion . was high.

CASE 04

The admin credentials were extracted from the engineer pod of Solstice Labs during the overnight window between 02:15 and 05:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Idris (product manager), Dario (support lead), Bram (data scientist), Thora (CTO), Zara (site-reliability engineer), Penelope (intern), Priya (contractor). Several have strong-looking motives.

Q Who extracted the admin credentials?

1. But: however the pedestrian-door sensor shows their vehicle remained in the lot until well after 02:15.
2. Priya has only advanced restoration training of the four requirements.
3. Idris has clean-room or vault clearance and familiarity with the security routing and advanced restoration training – initial suspicion was high.
4. However: Dario is cleared – but two independent witnesses confirm a video call with them throughout the window.
5. Four independent requirements: advanced restoration training, clean-room or vault clearance, presence between 02:15 and 05:00, and familiarity with the security routing.
6. Bram clashed publicly with management – appears to have motive.
7. Idris clashed publicly with management – appears to have motive.
8. Penelope claims to have exited the building at 23:10 – the official badge log confirms this.
9. The data theft involved an encryption signature tied to the internal training network.
- 10 However: Idris is cleared – but they were on a documented overnight flight, verified by airline . records.
- 11 Dario had financial pressure – appears to have motive.

Deduction Mysteries

CASE 05

A Vermeer sketch was taken from the climate-controlled vault of Whitmore Museum during the overnight window between 00:15 and 03:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Anand (security guard), Kiran (tour guide), Dimitri (night security), Darya (curator), Ginevra (docent), Joren (janitor), Quincy (archivist). Several have strong-looking motives.

Q Who took the Vermeer sketch?

1. Dimitri filed a grievance two weeks ago – appears to have motive.
2. Kiran's badge swipe log shows them off-site the entire window.
3. Darya has possession of the specific tool used and administrator credentials – initial suspicion was high.
4. Initial assumption pointed to Dimitri because of proximity to the scene earlier, but this has been independently ruled out.
5. Anand was passed over for a recent promotion – appears to have motive.
6. Ginevra lacks advanced restoration training – confirmed by personnel records.
7. However: Darya is cleared – but they were on a documented overnight flight, verified by airline records.
8. However: Dimitri is cleared – but their elevator access was revoked the day before – confirmed in the security audit.
9. Anand has possession of the specific tool used and administrator credentials and advanced restoration training – initial suspicion was high.
- 10 Darya filed a grievance two weeks ago – appears to have motive.
- 11 Joren has all four requirements: advanced restoration training, administrator credentials, possession of the specific tool used, and meets the temporal requirement (presence between 00:15 and 03:45).

CASE 06

A controlled medication was taken from the imaging room of Saint-Clair Hospital during the overnight window between 00:45 and 03:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Diallo (technician), Talia (medical resident), Tomas (pharmacist), Eitan (social worker), Joren (attending physician), Ishaan (volunteer), Tarek (head nurse). Several have strong-looking motives.

Q Who took the controlled medication?

1. Diallo has specialized engineering certification and possession of the specific tool used – initial suspicion was high.
2. Tomas was passed over for a recent promotion – appears to have motive.
3. Tarek has specialized engineering certification and after-hours building access – initial suspicion was high.
4. Tarek clashed publicly with management – appears to have motive.
5. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
6. However: Tarek is cleared – but they were on a documented overnight flight, verified by airline records.
7. Ishaan has all four requirements: specialized engineering certification, after-hours building access, possession of the specific tool used, and meets the temporal requirement (presence between 00:45 and 03:00).
8. Tomas has after-hours building access and possession of the specific tool used – initial suspicion was high.
9. However: Diallo is cleared – but their restricted-wing access was revoked the day before – confirmed in the security audit.
- 10 Diallo was passed over for a recent promotion – appears to have motive.

Answer Key – Deduction Mysteries

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

Case 01 E) Kalinda

- Four requirements (specialized engineering certification, after-hours building access, presence between 00:45 and 04:15, authorization to handle the item) plus a unique technical trace narrow the case.
 - Zara appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 C) Kiran

- Four requirements (elevated system privileges, a verified relationship with the donor, presence between 01:00 and 05:15, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Zephyr appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 undefined) Maeve

- Four requirements (a master key issued only to senior staff, administrator credentials, presence between 02:30 and 05:30, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - Ilya appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 F) Penelope

- Four requirements (advanced restoration training, clean-room or vault clearance, presence between 02:15 and 05:00, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Bram appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 C) Joren

- Four requirements (advanced restoration training, administrator credentials, presence between 00:15 and 03:45, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Anand appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 A) Ishaan

- Four requirements (specialized engineering certification, after-hours building access, presence between 00:45 and 03:00, possession of the specific tool used) plus a unique technical trace narrow the case.
- Diallo appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.