

Deduction Mysteries

CASE 01

A client database was taken from the secure terminal of Helix Corporation during the overnight window between 00:45 and 03:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Tomas (CFO), Isolde (legal counsel), Meriel (security officer), Hiroshi (IT administrator), Xiomara (HR director), Fariha (intern), Xanthe (senior engineer), Theo (executive assistant). Several have strong-looking motives.

Q Who took the client database?

1. Four independent requirements: a master key issued only to senior staff, clean-room or vault clearance, presence between 00:45 and 03:30, and possession of the specific tool used.
2. Tomas's door access record shows them off-site the entire window.
3. However: Xiomara is cleared – but they were on a documented overnight flight, verified by airline records.
4. Isolde lacks a master key issued only to senior staff – confirmed by personnel records.
5. But: however VPN session record records show they re-authenticated from an internal network at 2:10.
6. However: Hiroshi is cleared – but witness account places them at the hospital with a family emergency during the entire window.
7. Theo clashed publicly with management – appears to have motive.
8. Theo has clean-room or vault clearance and a master key issued only to senior staff – initial suspicion was high.
9. Xanthe lacks a master key issued only to senior staff – confirmed by personnel records.
- 10 Initial assumption pointed to Xiomara because of proximity to the scene earlier, but this has been independently ruled out.
- 11 Meriel has all four requirements: a master key issued only to senior staff, clean-room or vault clearance, possession of the specific tool used, and meets the temporal requirement (presence between 00:45 and 03:30).

CASE 02

A controlled medication was taken from the medication closet of Saint-Clair Hospital during the overnight window between 02:30 and 05:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Mikael (security officer), Oren (administrator), Odell (social worker), Suri (pharmacist), Kenji (volunteer), Adrian (head nurse), Dimitri (medical resident), Cosima (technician). Several have strong-looking motives.

Q Who took the controlled medication?

1. Oren filed a grievance two weeks ago – appears to have motive.
2. Oren has possession of the specific tool used and clearance to the restricted archive – initial suspicion was high.
3. Kenji's badge log shows them off-site the entire window.
4. Dimitri has clearance to the restricted archive and documented hands-on history with the item – initial suspicion was high.
5. Four independent requirements: clearance to the restricted archive, documented hands-on history with the item, presence between 02:30 and 05:00, and possession of the specific tool used.
6. The theft involved an encryption signature tied to the internal training network.
7. Mikael lacks clearance to the restricted archive – confirmed by personnel records.
8. Suri's witness staff shows them off-site the entire window.
9. Odell has documented hands-on history with the item and possession of the specific tool used and clearance to the restricted archive – initial suspicion was high.
- 10 Cosima's pharmacy CCTV shows them off-site the entire window.
- 11 But: however elevator override log records show they re-authenticated from an internal network at 1:15.

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CASE 03

A signed agreement was taken from the document destruction room of Atlas Group during the overnight window between 01:15 and 04:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Xiomara (legal counsel), Eleni (intern), Penelope (CFO), Kalinda (facilities coordinator), Iolanthe (HR director), Juno (IT administrator), Klaus (records clerk). Several have strong-looking motives.

Q Who took the signed agreement?

1. Eleni was officially signed out at 23:20 via the front-desk register.
2. Four independent requirements: specialized engineering certification, clean-room or vault clearance, presence between 01:15 and 04:00, and authorization to handle the item.
3. Initial assumption pointed to Xiomara because of proximity to the scene earlier, but this has been independently ruled out.
4. Kalinda was passed over for a recent promotion – appears to have motive.
5. Xiomara's printer log shows them off-site the entire window.
6. The trace at the scene (a seal cut with a serial pattern from a specific supply) ties directly to inventory or systems uniquely accessible to Eleni.
7. Klaus has clean-room or vault clearance and specialized engineering certification – initial suspicion was high.
8. Penelope has authorization to handle the item and specialized engineering certification and clean-room or vault clearance – initial suspicion was high.
9. Iolanthe lacks clean-room or vault clearance – security audit confirms.
- 10 However: Kalinda is cleared – but their document-room code was revoked the day before – confirmed in the security audit.
- 11 Eleni has all four requirements: specialized engineering certification, clean-room or vault clearance, authorization to handle the item, and meets the temporal requirement (presence between 01:15 and 04:00).

CASE 04

The locker contents were taken from the equipment room of Brightline Fitness during the overnight window between 00:15 and 04:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Rhys (referee), Faye (facilities manager), Frida (head coach), Helena (equipment manager), Tess (team statistician), Indira (rookie player), Darya (star player). Several have strong-looking motives.

Q Who took the locker contents?

1. Faye has clearance to the restricted archive and a verified relationship with the donor and knowledge of the seal serial pattern – initial suspicion was high.
2. Tess has clearance to the restricted archive and a verified relationship with the donor – initial suspicion was high.
3. Four independent requirements: clearance to the restricted archive, a verified relationship with the donor, presence between 00:15 and 04:00, and knowledge of the seal serial pattern.
4. However: Tess is cleared – but their equipment-room key was revoked the day before – confirmed in the security audit.
5. Faye had financial pressure – appears to have motive.
6. Indira their video call ended at 22:25 according to the system.
7. Frida has clearance to the restricted archive and a verified relationship with the donor and knowledge of the seal serial pattern – initial suspicion was high.
8. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Indira.
9. However: Faye is cleared – but they were on a documented overnight flight, verified by airline records.
- 10 Rhys has only clearance to the restricted archive of the four requirements.

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CASE 05

The prototype specifications were taken from the secure terminal of Northgate Partners during the overnight window between 00:15 and 04:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Beatrix (HR director), Kalinda (security officer), Aaliyah (CFO), Tess (facilities coordinator), Dimitri (executive assistant), Magnus (senior engineer), Jacinta (IT administrator), Tarek (intern). Several have strong-looking motives.

Q Who took the prototype specifications?

1. However: Tarek is cleared – but two independent witnesses confirm a video call with them throughout the window.
2. Aaliyah had financial pressure – appears to have motive.
3. Magnus has only familiarity with the security routing of the four requirements.
4. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Jacinta.
5. Jacinta was officially signed out at 23:25 via the front-desk register.
6. Tarek filed a grievance two weeks ago – appears to have motive.
7. Kalinda has only documented hands-on history with the item of the four requirements.
8. However: Aaliyah is cleared – but they were on a documented overnight flight, verified by airline records.
9. Beatrix has only clearance to the restricted archive of the four requirements.
- 10 Jacinta has all four requirements: clearance to the restricted archive, documented hands-on history with the item, familiarity with the security routing, and meets the temporal requirement (presence between 00:15 and 04:45).
- 11 However: Tess is cleared – but two independent witnesses confirm a video call with them throughout the window.

CASE 06

An archive password log was taken from the restoration room of Pemberton Research Library during the overnight window between 02:45 and 05:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Rosalind (visiting scholar), Thora (volunteer), Tess (intern), Roksana (head librarian), Darya (archivist), Dimah (reference librarian), Oren (custodian), Kiran (cataloger). Several have strong-looking motives.

Q Who took the archive password log?

1. Kiran has all four requirements: a master key issued only to senior staff, administrator credentials, authorization to handle the item, and meets the temporal requirement (presence between 02:45 and 05:45).
2. However: Dimah is cleared – but they were on a documented overnight flight, verified by airline records.
3. Initial assumption pointed to Roksana because of public friction with management, but this has been independently ruled out.
4. However: Roksana is cleared – but security camera places them at the hospital with a family emergency during the entire window.
5. Darya has only authorization to handle the item of the four requirements.
6. Thora's badge swipe shows them off-site the entire window.
7. Oren has only administrator credentials of the four requirements.
8. Roksana has a master key issued only to senior staff and authorization to handle the item and administrator credentials – initial suspicion was high.
9. However: Rosalind is cleared – but their staff key was revoked the day before – confirmed in the security audit.
- 10 Dimah 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 D) Meriel

- ☒ Four requirements (a master key issued only to senior staff, clean-room or vault clearance, presence between 00:45 and 03:30, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Hiroshi appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 B) Adrian

- ☒ Four requirements (clearance to the restricted archive, documented hands-on history with the item, presence between 02:30 and 05:00, 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 03 D) Eleni

- ☒ Four requirements (specialized engineering certification, clean-room or vault clearance, presence between 01:15 and 04:00, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Penelope appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 undefined) Indira

- ☒ Four requirements (clearance to the restricted archive, a verified relationship with the donor, presence between 00:15 and 04:00, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Tess appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 undefined) Jacinta

- ☒ Four requirements (clearance to the restricted archive, documented hands-on history with the item, presence between 00:15 and 04:45, familiarity with the security routing) plus a unique technical trace narrow the case.
 - ☒ Tess appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 F) Kiran

- ☒ Four requirements (a master key issued only to senior staff, administrator credentials, presence between 02:45 and 05:45, authorization to handle the item) plus a unique technical trace narrow the case.
- ☒ Dimah appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.