

## Deduction Mysteries

### CASE 01

The board minutes were taken from the server room of Brightline Holdings during the overnight window between 00:30 and 03:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Helena (intern), Elara (senior engineer), Simeon (IT administrator), Ezra (security officer), Suri (CFO), Lucia (legal counsel), Joren (HR director), Jacinta (records clerk). Several have strong-looking motives.

#### Q Who took the board minutes?

1. Suri has knowledge of the seal serial pattern and specialized engineering certification and a verified relationship with the donor – initial suspicion was high.
2. Joren lacks specialized engineering certification – confirmed by personnel records.
3. Lucia had financial pressure – appears to have motive.
4. Ezra has all four requirements: specialized engineering certification, a verified relationship with the donor, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 00:30 and 03:45).
5. Elara has only knowledge of the seal serial pattern of the four requirements.
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 Ezra.
7. Helena lacks specialized engineering certification – confirmed by personnel records.
8. But: however pedestrian-door sensor records show they re-authenticated from an internal network at 2:05.
9. However: Lucia is cleared – but their document-room code was revoked the day before – confirmed in the security audit.
- 10 Four independent requirements: specialized engineering certification, a verified relationship with the donor, presence between 00:30 and 03:45, and knowledge of the seal serial pattern.

### CASE 02

A signed prescription pad was taken from the blood bank of Aldermarsh Clinic during the overnight window between 02:00 and 05:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Nizar (medical resident), Arjun (janitor), Hattie (social worker), Galina (attending physician), Ines (technician), Maeve (volunteer), Alessio (head nurse). Several have strong-looking motives.

#### Q Who took the signed prescription pad?

1. Hattie had financial pressure – appears to have motive.
2. Four independent requirements: advanced restoration training, documented hands-on history with the item, presence between 02:00 and 05:30, and possession of the specific tool used.
3. Initial assumption pointed to Hattie because of being seen near the building, but this has been independently ruled out.
4. However: Hattie is cleared – but door sensor places them at the hospital with a family emergency during the entire window.
5. Ines 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 02:00 and 05:30).
6. Alessio lacks documented hands-on history with the item – security audit confirms.
7. Nizar has advanced restoration training and possession of the specific tool used and documented hands-on history with the item – initial suspicion was high.
8. But: however seal serial registry records show they re-authenticated from an internal network at 1:35.
9. Hattie has advanced restoration training and documented hands-on history with the item – initial suspicion was high.

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### CASE 03

The master plans were taken from the tool crib of Aldermarsh Auto Works during the overnight window between 00:30 and 04:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Tatum (welder), Odell (apprentice), Eitan (customer service rep), Hattie (painter), Idris (master mechanic), Zoltan (machinist), Klaus (quality inspector), Ulla (parts clerk). Several have strong-looking motives.

#### Q Who took the master plans?

1. Ulla was officially signed out at 22:50 via the front-desk register.
2. Ulla has all four requirements: elevated system privileges, documented hands-on history with the item, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 00:30 and 04:45).
3. Tatum was passed over for a recent promotion – appears to have motive.
4. The theft involved a network certificate signed by senior staff.
5. Four independent requirements: elevated system privileges, documented hands-on history with the item, presence between 00:30 and 04:45, and knowledge of the seal serial pattern.
6. But: however the elevator override log shows their vehicle remained in the lot until well after 00:30.
7. However: Klaus is cleared – but time-clock log places them at the hospital with a family emergency during the entire window.
8. However: Zoltan is cleared – but two independent witnesses confirm a video call with them throughout the window.
9. Zoltan clashed publicly with management – appears to have motive.
- 10 Idris lacks elevated system privileges – confirmed by personnel records.
- 11 Zoltan has elevated system privileges and knowledge of the seal serial pattern – initial suspicion was high.

### CASE 04

A medieval folio was taken from the reading room of Saint-Clair Collection during the overnight window between 01:30 and 04:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Talia (visiting scholar), Omari (archivist), Fenella (cataloger), Tarek (research assistant), Kalisa (intern), Florian (custodian), Alessio (rare-books curator). Several have strong-looking motives.

#### Q Who took the medieval folio?

1. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Alessio.
2. Kalisa lacks a master key issued only to senior staff – confirmed by personnel records.
3. However: Talia is cleared – but two independent witnesses confirm a video call with them throughout the window.
4. Talia has a master key issued only to senior staff and possession of the specific tool used and administrator credentials – initial suspicion was high.
5. Talia filed a grievance two weeks ago – appears to have motive.
6. Initial assumption pointed to Florian because of being seen near the building, but this has been independently ruled out.
7. Fenella lacks administrator credentials – security audit confirms.
8. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
9. Omari has administrator credentials and possession of the specific tool used – initial suspicion was high.
- 10 But: however parking-lot camera records show they re-authenticated from an internal network at 1:05.
- 11 However: Omari is cleared – but two independent witnesses confirm a video call with them throughout the window.

## Deduction Mysteries

### CASE 05

A restricted-area code was taken from the staff lounge of Aldermarsh Clinic during the overnight window between 00:15 and 04:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Priya (volunteer), Etienne (attending physician), Phaedra (security officer), Adrian (janitor), Mei (social worker), Wilder (technician), Theo (administrator), Finnegan (medical resident). Several have strong-looking motives.

#### Q Who took the restricted-area code?

1. Etienne's badge log shows them off-site the entire window.
2. However: Theo is cleared – but they were on a documented overnight flight, verified by airline records.
3. However: Priya is cleared – but witness staff places them at the hospital with a family emergency during the entire window.
4. Priya has a verified relationship with the donor and clearance to the restricted archive – initial suspicion was high.
5. But: however the unsecured service entrance doesn't require a badge to re-enter.
6. Adrian has only clearance to the restricted archive of the four requirements.
7. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Finnegan.
8. Theo has a verified relationship with the donor and familiarity with the security routing and clearance to the restricted archive – initial suspicion was high.
9. However: Phaedra is cleared – but their restricted-wing access was revoked the day before – confirmed in the security audit.
- 10 Phaedra has clearance to the restricted archive and a verified relationship with the donor – initial suspicion was high.

### CASE 06

A curator notebook was taken from the archive storage of Helix Reading Room during the overnight window between 01:15 and 05:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Eitan (intern), Elspeth (volunteer), Roksana (visiting scholar), Wilder (research assistant), Nizar (archivist), Mauro (cataloger), Bjorn (custodian). Several have strong-looking motives.

#### Q Who took the curator notebook?

1. The theft involved an encryption signature tied to the internal training network.
2. Wilder was passed over for a recent promotion – appears to have motive.
3. However: Roksana is cleared – but archive log places them at the hospital with a family emergency during the entire window.
4. However: Wilder is cleared – but their reading-room pass was revoked the day before – confirmed in the security audit.
5. Nizar claims to have exited the building at 22:15 – the official badge log confirms this.
6. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Nizar.
7. However: Eitan is cleared – but witness patron places them at the hospital with a family emergency during the entire window.
8. Elspeth lacks documented hands-on history with the item – security audit confirms.
9. Roksana has a master key issued only to senior staff and documented hands-on history with the item – initial suspicion was high.
- 10 Eitan has documented hands-on history with the item and a master key issued only to senior staff and familiarity with the security routing – initial suspicion was high.

## Answer Key – Deduction Mysteries

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

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### Case 01 C) Ezra

- ☒ Four requirements (specialized engineering certification, a verified relationship with the donor, presence between 00:30 and 03:45, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
  - ☒ Simeon appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 02 E) Ines

- ☒ Four requirements (advanced restoration training, documented hands-on history with the item, presence between 02:00 and 05:30, possession of the specific tool used) plus a unique technical trace narrow the case.
  - ☒ Hattie appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 03 D) Ulla

- ☒ Four requirements (elevated system privileges, documented hands-on history with the item, presence between 00:30 and 04:45, knowledge of the seal serial pattern) 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 E) Alessio

- ☒ Four requirements (a master key issued only to senior staff, administrator credentials, presence between 01:30 and 04:45, possession of the specific tool used) plus a unique technical trace narrow the case.
  - ☒ Tarek appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 05 D) Finnegan

- ☒ Four requirements (clearance to the restricted archive, a verified relationship with the donor, presence between 00:15 and 04:45, familiarity with the security routing) plus a unique technical trace narrow the case.
  - ☒ Priya appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 06 A) Nizar

- ☒ Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 01:15 and 05:30, familiarity with the security routing) plus a unique technical trace narrow the case.
- ☒ Wilder appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.