

## Deduction Mysteries

### CASE 01

A signed treaty was taken from the cataloging room of Saint-Clair Historical Society during the overnight window between 02:45 and 06:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Aleksandr (administrator), Eira (volunteer), Kasper (security officer), Tarek (conservation specialist), Ronan (researcher), Yara (intern), Gunnar (genealogist), Anand (records administrator). Several have strong-looking motives.

#### Q Who took the signed treaty?

1. Kasper has documented hands-on history with the item and advanced restoration training and possession of the specific tool used – initial suspicion was high.
2. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
3. However: Kasper is cleared – but they were on a documented overnight flight, verified by airline records.
4. Tarek has advanced restoration training and possession of the specific tool used – initial suspicion was high.
5. Kasper filed a grievance two weeks ago – appears to have motive.
6. Four independent requirements: advanced restoration training, documented hands-on history with the item, presence between 02:45 and 06:00, and possession of the specific tool used.
7. Ronan 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 02:45 and 06:00).
8. But: however the unsecured side stairwell doesn't require a badge to re-enter.
9. Anand has only possession of the specific tool used of the four requirements.
- 10 Initial assumption pointed to Kasper because of proximity to the scene earlier, but this has been independently ruled out.

### CASE 02

A member roster was taken from the press box of Pemberton Stadium during the overnight window between 00:45 and 03:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Phaedra (referee), Darya (facilities manager), Yusuf (team captain), Noor (equipment manager), Tomas (team statistician), Sigrid (star player), Joren (head coach), Suri (assistant coach). Several have strong-looking motives.

#### Q Who took the member roster?

1. Noor was passed over for a recent promotion – appears to have motive.
2. Joren's witness teammate shows them off-site the entire window.
3. Phaedra their video call ended at 23:35 according to the system.
4. However: Tomas is cleared – but locker-room sensor places them at the hospital with a family emergency during the entire window.
5. However: Noor is cleared – but two independent witnesses confirm a video call with them throughout the window.
6. Tomas has familiarity with the security routing and documented hands-on history with the item – initial suspicion was high.
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 Phaedra.
8. Four independent requirements: a master key issued only to senior staff, documented hands-on history with the item, presence between 00:45 and 03:45, and familiarity with the security routing.
9. Tomas filed a grievance two weeks ago – appears to have motive.
- 10 Noor has a master key issued only to senior staff and familiarity with the security routing – initial suspicion was high.

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### CASE 03

The title transfer documents were taken from the conservation room of Northgate Estate Archive during the overnight window between 00:15 and 03:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Hattie (conservation specialist), Galina (intern), Mei (security officer), Katarina (researcher), Juno (head archivist), Kalisa (clerk), Fariha (volunteer), Dimah (administrator). Several have strong-looking motives.

#### Q Who took the title transfer documents?

1. Initial assumption pointed to Juno because of proximity to the scene earlier, but this has been independently ruled out.
2. Fariha has only familiarity with the security routing of the four requirements.
3. However: Galina is cleared – but vault entry record places them at the hospital with a family emergency during the entire window.
4. Kalisa lacks specialized engineering certification – confirmed by personnel records.
5. Hattie filed a grievance two weeks ago – appears to have motive.
6. Galina has specialized engineering certification and a verified relationship with the donor – initial suspicion was high.
7. The theft involved an encryption signature tied to the internal training network.
8. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Dimah.
9. Juno lacks a verified relationship with the donor – security audit confirms.
- 10 Katarina has only familiarity with the security routing of the four requirements.
- 11 Hattie has familiarity with the security routing and a verified relationship with the donor and . specialized engineering certification – initial suspicion was high.

### CASE 04

A laptop was taken from the records office of Hawthorne Day School during the overnight window between 02:30 and 06:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Quentin (student council president), Elara (coach), Yusuf (department head), Ezra (teacher), Nadia (janitor), Helena (substitute teacher), Saoirse (principal), Joren (librarian). Several have strong-looking motives.

#### Q Who took the laptop?

1. Nadia was passed over for a recent promotion – appears to have motive.
2. Initial assumption pointed to Helena because of proximity to the scene earlier, but this has been independently ruled out.
3. The theft involved a hand-machined tool stocked in only one closet.
4. Saoirse has specialized engineering certification and possession of the specific tool used and clean-room or vault clearance – initial suspicion was high.
5. The trace at the scene (a hand-machined tool stocked in only one closet) ties directly to inventory or systems uniquely accessible to Yusuf.
6. Helena has specialized engineering certification and possession of the specific tool used and clean-room or vault clearance – initial suspicion was high.
7. Nadia has specialized engineering certification and possession of the specific tool used and clean-room or vault clearance – initial suspicion was high.
8. Helena clashed publicly with management – appears to have motive.
9. But: however parking-lot camera records show they re-authenticated from an internal network at 2:55.
- 10 However: Helena is cleared – but their staff key was revoked the day before – confirmed in the . security audit.

## Deduction Mysteries

### CASE 05

An original script was taken from the prop storage of Pemberton Opera House during the overnight window between 00:15 and 03:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Mateo (director), Kai (prop master), Helena (lead actor), Ula (stagehand), Damaris (costume designer), Yusuf (stage manager), Juno (musical director), Hattie (box-office manager). Several have strong-looking motives.

#### Q Who took the original script?

1. Hattie was officially signed out at 22:10 via the front-desk register.
2. The theft involved a seal cut with a serial pattern from a specific supply.
3. However: Mateo is cleared – but their backstage pass was revoked the day before – confirmed in the security audit.
4. Kai has a master key issued only to senior staff and familiarity with the security routing and clean-room or vault clearance – initial suspicion was high.
5. Kai filed a grievance two weeks ago – appears to have motive.
6. But: however DHCP log records show they re-authenticated from an internal network at 1:25.
7. However: Helena is cleared – but their director's key was revoked the day before – confirmed in the security audit.
8. Yusuf's stage door camera shows them off-site the entire window.
9. However: Kai is cleared – but props inventory log places them at the hospital with a family emergency during the entire window.
- 10 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 Hattie.
- 11 Ula has only familiarity with the security routing of the four requirements.
- 12 Juno lacks a master key issued only to senior staff – confirmed by personnel records.

### CASE 06

A sealed parts shipment was taken from the engine assembly area of Saint-Clair Machining during the overnight window between 01:30 and 05:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Mateo (master mechanic), Elara (apprentice), Yara (parts clerk), Ginevra (customer service rep), Zinnia (quality inspector), Alejandro (painter), Darya (shop manager), Aaliyah (machinist). Several have strong-looking motives.

#### Q Who took the sealed parts shipment?

1. Ginevra was passed over for a recent promotion – appears to have motive.
2. However: Ginevra is cleared – but two independent witnesses confirm a video call with them throughout the window.
3. Mateo filed a grievance two weeks ago – appears to have motive.
4. Yara was officially signed out at 22:35 via the front-desk register.
5. Mateo has familiarity with the security routing and after-hours building access and clearance to the restricted archive – initial suspicion was high.
6. Ginevra has after-hours building access and clearance to the restricted archive and familiarity with the security routing – initial suspicion was high.
7. Darya has only after-hours building access of the four requirements.
8. However: Mateo is cleared – but two independent witnesses confirm a video call with them throughout the window.
9. Alejandro filed a grievance two weeks ago – appears to have motive.
- 10 Initial assumption pointed to Darya because of being seen near the building, but this has been . independently ruled out.

## Answer Key – Deduction Mysteries

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

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### Case 01 undefined) Ronan

- ☒ Four requirements (advanced restoration training, documented hands-on history with the item, presence between 02:45 and 06:00, possession of the specific tool used) plus a unique technical trace narrow the case.
  - ☒ Gunnar appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 02 D) Phaedra

- ☒ Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 00:45 and 03:45, familiarity with the security routing) plus a unique technical trace narrow the case.
  - ☒ Noor appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 03 undefined) Dimah

- ☒ Four requirements (specialized engineering certification, a verified relationship with the donor, presence between 00:15 and 03:15, familiarity with the security routing) plus a unique technical trace narrow the case.
  - ☒ Mei appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 04 undefined) Yusuf

- ☒ Four requirements (specialized engineering certification, clean-room or vault clearance, presence between 02:30 and 06:00, possession of the specific tool used) plus a unique technical trace narrow the case.
  - ☒ Nadia appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 05 A) Hattie

- ☒ Four requirements (a master key issued only to senior staff, clean-room or vault clearance, presence between 00:15 and 03:00, familiarity with the security routing) plus a unique technical trace narrow the case.
  - ☒ Kai appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 06 undefined) Yara

- ☒ Four requirements (clearance to the restricted archive, after-hours building access, presence between 01:30 and 05:00, familiarity with the security routing) plus a unique technical trace narrow the case.
- ☒ Ginevra appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.