

Deduction Mysteries

CASE 01

A signed treaty was taken from the conservation room of Helix Heritage Foundation during the overnight window between 01:45 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Juno (security officer), Tarek (head archivist), Olive (researcher), Bayan (intern), Yusuf (records administrator), Ulla (volunteer), Ginevra (administrator). Several have strong-looking motives.

Q Who took the signed treaty?

1. Juno has possession of the specific tool used and documented hands-on history with the item and a master key issued only to senior staff – initial suspicion was high.
2. Ginevra's reading-room sign-in shows them off-site the entire window.
3. Ulla has possession of the specific tool used and documented hands-on history with the item – initial suspicion was high.
4. Bayan clashed publicly with management – appears to have motive.
5. Ulla had financial pressure – appears to have motive.
6. However: Juno is cleared – but they were on a documented overnight flight, verified by airline records.
7. Juno clashed publicly with management – appears to have motive.
8. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Yusuf.
9. However: Bayan is cleared – but archive log places them at the hospital with a family emergency during the entire window.
- 10 Initial assumption pointed to Ginevra because of being seen near the building, but this has been independently ruled out.
- 11 But: however the unsecured side stairwell doesn't require a badge to re-enter.

CASE 02

A sealed parts shipment was taken from the parts storage of Northgate Workshop during the overnight window between 01:45 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Gisela (shop manager), Eleni (painter), Priya (electrician), Akira (parts clerk), Yusuf (machinist), Suri (welder), Joaquin (apprentice). Several have strong-looking motives.

Q Who took the sealed parts shipment?

1. However: Joaquin is cleared – but their manager key was revoked the day before – confirmed in the security audit.
2. Akira was passed over for a recent promotion – appears to have motive.
3. The trace at the scene (a hand-machined tool stocked in only one closet) ties directly to inventory or systems uniquely accessible to Yusuf.
4. Four independent requirements: clearance to the restricted archive, administrator credentials, presence between 01:45 and 04:15, and possession of the specific tool used.
5. Yusuf has all four requirements: clearance to the restricted archive, administrator credentials, possession of the specific tool used, and meets the temporal requirement (presence between 01:45 and 04:15).
6. However: Suri is cleared – but two independent witnesses confirm a video call with them throughout the window.
7. The theft involved a hand-machined tool stocked in only one closet.
8. Initial assumption pointed to Eleni because of being seen near the building, but this has been independently ruled out.
9. But: however the parking-lot camera shows their vehicle remained in the lot until well after 01:45.
- 10 Joaquin filed a grievance two weeks ago – appears to have motive.

Deduction Mysteries

CASE 03

A silver chalice was taken from the private collection room of Pemberton Wing during the overnight window between 00:15 and 03:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Elspeth (janitor), Mei (curator), Thora (night security), Meriel (gift shop manager), Mira (tour guide), Tomas (docent), Indira (exhibition designer), Yusuf (archivist). Several have strong-looking motives.

Q Who took the silver chalice?

1. Elspeth has all four requirements: a master key issued only to senior staff, documented hands-on history with the item, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 00:15 and 03:45).
2. Mira has a master key issued only to senior staff and knowledge of the seal serial pattern – initial suspicion was high.
3. But: however the DHCP log shows their vehicle remained in the lot until well after 00:15.
4. However: Yusuf is cleared – but their elevator access was revoked the day before – confirmed in the security audit.
5. Elspeth their video call ended at 23:10 according to the system.
6. Indira has only knowledge of the seal serial pattern of the four requirements.
7. Thora lacks documented hands-on history with the item – security audit confirms.
8. Meriel filed a grievance two weeks ago – appears to have motive.
9. The trace at the scene (a hand-machined tool stocked in only one closet) ties directly to inventory or systems uniquely accessible to Elspeth.
- 10 Tomas lacks a master key issued only to senior staff – confirmed by personnel records.
- 11 Yusuf had financial pressure – appears to have motive.
- 12 ~~However: Mira is cleared – but they were on a documented overnight flight, verified by airline records.~~

CASE 04

A custom engine part was taken from the main shop floor of Northgate Workshop during the overnight window between 00:00 and 04:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Adrian (customer service rep), Jules (quality inspector), Ginevra (parts clerk), Olive (shop manager), Zara (apprentice), Mahdi (master mechanic), Kenji (welder), Ramona (machinist). Several have strong-looking motives.

Q Who took the custom engine part?

1. Ramona has familiarity with the security routing and a master key issued only to senior staff and a verified relationship with the donor – initial suspicion was high.
2. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Zara.
3. Zara their video call ended at 23:30 according to the system.
4. Initial assumption pointed to Ramona because of proximity to the scene earlier, but this has been independently ruled out.
5. Olive lacks a master key issued only to senior staff – confirmed by personnel records.
6. Kenji had financial pressure – appears to have motive.
7. Kenji has a master key issued only to senior staff and a verified relationship with the donor – initial suspicion was high.
8. But: however the elevator override log shows their vehicle remained in the lot until well after 00:00.
9. The theft involved a network certificate signed by senior staff.
- 10 Mahdi's witness coworker shows them off-site the entire window.
- 11 Ginevra has only a master key issued only to senior staff of the four requirements.

Deduction Mysteries

CASE 05

The tip jar contents were taken from the dishwashing bay of Northgate Grill during the overnight window between 02:00 and 05:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Eira (pastry chef), Olive (head chef), Bayan (dishwasher), Noor (sous chef), Beatrix (server), Rosalind (line cook), Elspeth (bartender). Several have strong-looking motives.

Q Who took the tip jar contents?

1. Rosalind had financial pressure – appears to have motive.
2. Beatrix has all four requirements: elevated system privileges, after-hours building access, authorization to handle the item, and meets the temporal requirement (presence between 02:00 and 05:15).
3. Beatrix their video call ended at 23:50 according to the system.
4. Elspeth has after-hours building access and authorization to handle the item – initial suspicion was high.
5. However: Elspeth is cleared – but two independent witnesses confirm a video call with them throughout the window.
6. Initial assumption pointed to Bayan because of proximity to the scene earlier, but this has been independently ruled out.
7. Noor's front-of-house camera shows them off-site the entire window.
8. However: Olive is cleared – but they were on a documented overnight flight, verified by airline records.
9. Eira has only elevated system privileges of the four requirements.
- 10 However: Rosalind is cleared – but they were on a documented overnight flight, verified by airline records.

CASE 06

A sound-system controller was taken from the sound booth of Saint-Clair Playhouse during the overnight window between 01:30 and 04:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Mira (box-office manager), Ravi (lead actor), Pavel (understudy), Quentin (prop master), Phaedra (director), Leander (musical director), Finnegan (costume designer), Kerensa (lighting tech). Several have strong-looking motives.

Q Who took the sound-system controller?

1. Kerensa lacks specialized engineering certification – confirmed by personnel records.
2. Quentin clashed publicly with management – appears to have motive.
3. Ravi was passed over for a recent promotion – appears to have motive.
4. Pavel their video call ended at 22:40 according to the system.
5. Initial assumption pointed to Kerensa because of proximity to the scene earlier, but this has been independently ruled out.
6. Finnegan filed a grievance two weeks ago – appears to have motive.
7. However: Ravi is cleared – but they were on a documented overnight flight, verified by airline records.
8. However: Finnegan is cleared – but props inventory log places them at the hospital with a family emergency during the entire window.
9. The theft involved a network certificate signed by senior staff.
- 10 The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Pavel.
- 11 Leander has only specialized engineering certification of the four requirements.
- 12 However: Quentin is cleared – but they were on a documented overnight flight, verified by airline records.

Answer Key – Deduction Mysteries

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

Case 01 undefined) Yusuf

- ☒ Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 01:45 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Juno appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 B) Yusuf

- ☒ Four requirements (clearance to the restricted archive, administrator credentials, presence between 01:45 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Akira appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 undefined) Elspeth

- ☒ Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 00:15 and 03:45, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Meriel appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 F) Zara

- ☒ Four requirements (a master key issued only to senior staff, a verified relationship with the donor, presence between 00:00 and 04:45, familiarity with the security routing) plus a unique technical trace narrow the case.
 - ☒ Jules appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 A) Beatrix

- ☒ Four requirements (elevated system privileges, after-hours building access, presence between 02:00 and 05:15, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Rosalind appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 undefined) Pavel

- ☒ Four requirements (specialized engineering certification, documented hands-on history with the item, presence between 01:30 and 04:00, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
- ☒ Ravi appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.