

Deduction Mysteries

CASE 01

A donor list was taken from the reading room of Helix Reading Room during the overnight window between 00:00 and 03:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Tomas (intern), Bayan (archivist), Odell (rare-books curator), Hasan (head librarian), Octavia (custodian), Quincy (cataloger), Ishaan (volunteer). Several have strong-looking motives.

Q Who took the donor list?

1. Four independent requirements: clearance to the restricted archive, documented hands-on history with the item, presence between 00:00 and 03:45, and familiarity with the security routing.
2. Quincy lacks documented hands-on history with the item – security audit confirms.
3. However: Ishaan is cleared – but door sensor places them at the hospital with a family emergency during the entire window.
4. Initial assumption pointed to Bayan because of being seen near the building, but this has been independently ruled out.
5. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Hasan.
6. Odell has familiarity with the security routing and documented hands-on history with the item and clearance to the restricted archive – initial suspicion was high.
7. Hasan claims to have exited the building at 23:55 – the official badge log confirms this.
8. Odell clashed publicly with management – appears to have motive.
9. Bayan has familiarity with the security routing and clearance to the restricted archive – initial suspicion was high.
- 10 The theft involved a network certificate signed by senior staff.
- 11 Ishaan has clearance to the restricted archive and familiarity with the security routing – initial suspicion was high.

CASE 02

A signed playbill collection was taken from the sound booth of Saint-Clair Playhouse during the overnight window between 00:30 and 03:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Hakim (costume designer), Theo (lead actor), Florian (lighting tech), Xanthe (stage manager), Dimah (box-office manager), Elspeth (stagehand), Indira (understudy), Polina (director). Several have strong-looking motives.

Q Who took the signed playbill collection?

1. Hakim's box-office system shows them off-site the entire window.
2. Florian had financial pressure – appears to have motive.
3. However: Florian is cleared – but they were on a documented overnight flight, verified by airline records.
4. Theo lacks elevated system privileges – confirmed by personnel records.
5. Florian has familiarity with the security routing and after-hours building access and elevated system privileges – initial suspicion was high.
6. Initial assumption pointed to Elspeth because of proximity to the scene earlier, but this has been independently ruled out.
7. Elspeth clashed publicly with management – appears to have motive.
8. But: however the pedestrian-door sensor shows their vehicle remained in the lot until well after 00:30.
9. However: Dimah is cleared – but their director's key was revoked the day before – confirmed in the security audit.
- 10 Polina lacks elevated system privileges – confirmed by personnel records.
- 11 Xanthe's props inventory log shows them off-site the entire window.

Deduction Mysteries

CASE 03

A prop weapon was taken from the sound booth of Helix Repertory during the overnight window between 02:45 and 05:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Iolanthe (musical director), Faye (stagehand), Vidal (costume designer), Idris (understudy), Caelan (director), Ishaan (prop master), Maeve (lead actor), Alejandro (lighting tech). Several have strong-looking motives.

Q Who took the prop weapon?

1. Caelan has advanced restoration training and possession of the specific tool used – initial suspicion was high.
2. Faye's box-office system shows them off-site the entire window.
3. However: Vidal is cleared – but their backstage pass was revoked the day before – confirmed in the security audit.
4. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
5. However: Maeve is cleared – but their backstage pass was revoked the day before – confirmed in the security audit.
6. Alejandro's rehearsal sign-in shows them off-site the entire window.
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 Iolanthe.
8. Iolanthe has all four requirements: advanced restoration training, clean-room or vault clearance, possession of the specific tool used, and meets the temporal requirement (presence between 02:45 and 05:00).
9. Iolanthe their video call ended at 22:25 according to the system.
- 10 Ishaan's box-office system shows them off-site the entire window.
- 11 But: however the DHCP log shows their vehicle remained in the lot until well after 02:45.

CASE 04

A member roster was taken from the equipment room of Northgate Athletic Club during the overnight window between 01:15 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Tatum (team statistician), Tess (equipment manager), Mikael (star player), Elspeth (referee), Vidal (assistant coach), Arjun (head coach), Ramona (athletic trainer), Lucia (team captain). Several have strong-looking motives.

Q Who took the member roster?

1. Vidal has only after-hours building access of the four requirements.
2. Ramona's badge log shows them off-site the entire window.
3. Mikael lacks after-hours building access – security audit confirms.
4. Initial assumption pointed to Ramona because of public friction with management, but this has been independently ruled out.
5. Arjun has all four requirements: a master key issued only to senior staff, after-hours building access, possession of the specific tool used, and meets the temporal requirement (presence between 01:15 and 04:15).
6. Elspeth was passed over for a recent promotion – appears to have motive.
7. Arjun claims to have exited the building at 22:55 – the official badge log confirms this.
8. Lucia had financial pressure – appears to have motive.
9. Four independent requirements: a master key issued only to senior staff, after-hours building access, presence between 01:15 and 04:15, and possession of the specific tool used.
- 10 However: Tess is cleared – but witness teammate places them at the hospital with a family emergency during the entire window.
- 11 The trace at the scene (a hand-machined tool stocked in only one closet) ties directly to inventory or systems uniquely accessible to Arjun.

Deduction Mysteries

CASE 05

A prototype compound was swapped from the prep bench of Helix Bioresearch during the overnight window between 02:30 and 06:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Tatum (principal investigator), Aaliyah (visiting scientist), Cassia (graduate student), Kerensa (operations manager), Bjorn (postdoctoral researcher), Mauro (equipment manager), Gisela (undergraduate volunteer). Several have strong-looking motives.

Q Who swapped the prototype compound?

1. The sample tampering involved a foam replica skillfully painted with restoration-grade spray paint.
2. Aaliyah's clean-room entry log shows them off-site the entire window.
3. However: Cassia is cleared – but witness sighting places them at the hospital with a family emergency during the entire window.
4. Gisela has knowledge of the seal serial pattern and after-hours building access and clearance to the restricted archive – initial suspicion was high.
5. Bjorn was officially signed out at 22:40 via the front-desk register.
6. Four independent requirements: clearance to the restricted archive, after-hours building access, presence between 02:30 and 06:30, and knowledge of the seal serial pattern.
7. Kerensa lacks clearance to the restricted archive – confirmed by personnel records.
8. Bjorn has all four requirements: clearance to the restricted archive, after-hours building access, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 02:30 and 06:30).
9. However: Tatum is cleared – but clean-room entry log places them at the hospital with a family emergency during the entire window.
- 10 Cassia had financial pressure – appears to have motive.

CASE 06

A musical score was taken from the catwalk of Helix Repertory during the overnight window between 00:15 and 03:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Vidal (stage manager), Mikael (understudy), Helena (lighting tech), Vera (director), Suri (lead actor), Indira (box-office manager), Mei (stagehand). Several have strong-looking motives.

Q Who took the musical score?

1. The theft involved an encryption signature tied to the internal training network.
2. Mikael clashed publicly with management – appears to have motive.
3. Vera has documented hands-on history with the item and specialized engineering certification – initial suspicion was high.
4. However: Helena is cleared – but they were on a documented overnight flight, verified by airline records.
5. Helena has documented hands-on history with the item and specialized engineering certification – initial suspicion was high.
6. Four independent requirements: specialized engineering certification, documented hands-on history with the item, presence between 00:15 and 03:15, and familiarity with the security routing.
7. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Vidal.
8. However: Mikael is cleared – but box-office system places them at the hospital with a family emergency during the entire window.
9. Indira lacks documented hands-on history with the item – security audit confirms.
- 10 Initial assumption pointed to Mikael because of public friction with management, but this has been independently ruled out.

Answer Key – Deduction Mysteries

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

Case 01 E) Hasan

- Four requirements (clearance to the restricted archive, documented hands-on history with the item, presence between 00:00 and 03:45, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Odell appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 02 A) Indira

- Four requirements (elevated system privileges, after-hours building access, presence between 00:30 and 03:45, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Florian appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 03 C) Iolanthe

- Four requirements (advanced restoration training, clean-room or vault clearance, presence between 02:45 and 05:00, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Caelan appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 04 F) Arjun

- Four requirements (a master key issued only to senior staff, after-hours building access, presence between 01:15 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Tess appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 05 D) Bjorn

- Four requirements (clearance to the restricted archive, after-hours building access, presence between 02:30 and 06:30, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - Gisela appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 06 undefined) Vidal

- Four requirements (specialized engineering certification, documented hands-on history with the item, presence between 00:15 and 03:15, familiarity with the security routing) plus a unique technical trace narrow the case.
- Mikael appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.