

Deduction Mysteries

CASE 01

The signed jerseys were taken from the training pool of Saint-Clair Field House during the overnight window between 02:15 and 05:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Alessio (rookie player), Vidal (athletic trainer), Sora (referee), Tarek (head coach), Bjorn (team captain), Suri (team statistician), Lana (facilities manager). Several have strong-looking motives.

Q Who took the signed jerseys?

1. Vidal lacks elevated system privileges – confirmed by personnel records.
2. The theft involved a hand-machined tool stocked in only one closet.
3. Lana was passed over for a recent promotion – appears to have motive.
4. Bjorn's witness teammate shows them off-site the entire window.
5. Suri has after-hours building access and possession of the specific tool used – initial suspicion was high.
6. Tarek has all four requirements: elevated system privileges, after-hours building access, possession of the specific tool used, and meets the temporal requirement (presence between 02:15 and 05:45).
7. However: Alessio is cleared – but two independent witnesses confirm a video call with them throughout the window.
8. Sora has only possession of the specific tool used of the four requirements.
9. But: however the unsecured service entrance doesn't require a badge to re-enter.
- 10 However: Lana is cleared – but their equipment-room key was revoked the day before – confirmed in the security audit.
- 11 Initial assumption pointed to Suri because of public friction with management, but this has been independently ruled out.
- 12 Alessio was passed over for a recent promotion – appears to have motive.

CASE 02

A signed prescription pad was taken from the imaging room of Aldermarsh Clinic during the overnight window between 00:45 and 04:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Tess (security officer), Rosalind (volunteer), Ulla (technician), Yvonne (social worker), Nikolai (administrator), Meriel (janitor), Adrian (head nurse), Xanthe (pharmacist). Several have strong-looking motives.

Q Who took the signed prescription pad?

1. Initial assumption pointed to Yvonne because of public friction with management, but this has been independently ruled out.
2. Xanthe was officially signed out at 22:35 via the front-desk register.
3. Ulla has administrator credentials and elevated system privileges – initial suspicion was high.
4. However: Nikolai is cleared – but two independent witnesses confirm a video call with them throughout the window.
5. Yvonne lacks administrator credentials – security audit confirms.
6. But: however the unsecured pedestrian door doesn't require a badge to re-enter.
7. Nikolai clashed publicly with management – appears to have motive.
8. Four independent requirements: elevated system privileges, administrator credentials, presence between 00:45 and 04:30, and knowledge of the seal serial pattern.
9. Adrian has administrator credentials and elevated system privileges and knowledge of the seal serial pattern – initial suspicion was high.
- 10 Nikolai has administrator credentials and knowledge of the seal serial pattern and elevated system privileges – initial suspicion was high.
- 11 Tess has only administrator credentials of the four requirements.

Deduction Mysteries

CASE 03

A reservation book was taken from the prep kitchen of Octavia's during the overnight window between 00:30 and 04:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Roksana (manager), Enzo (line cook), Mahdi (head chef), Dimitri (pastry chef), Amari (dishwasher), Zephyr (sous chef), Aaliyah (sommelier). Several have strong-looking motives.

Q Who took the reservation book?

1. Dimitri has familiarity with the security routing and clean-room or vault clearance and specialized engineering certification – initial suspicion was high.
2. Aaliyah's kitchen camera shows them off-site the entire window.
3. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Roksana.
4. Roksana has all four requirements: specialized engineering certification, clean-room or vault clearance, familiarity with the security routing, and meets the temporal requirement (presence between 00:30 and 04:30).
5. Dimitri clashed publicly with management – appears to have motive.
6. Amari has clean-room or vault clearance and specialized engineering certification and familiarity with the security routing – initial suspicion was high.
7. However: Dimitri is cleared – but they were on a documented overnight flight, verified by airline records.
8. Enzo clashed publicly with management – appears to have motive.
9. Amari clashed publicly with management – appears to have motive.
- 10 But: however elevator override log records show they re-authenticated from an internal network at . 2:35.

CASE 04

A calibration kit was swapped from the centrifuge bay of Pemberton Pharmaceuticals during the overnight window between 02:15 and 06:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Alejandro (lab technician), Priya (equipment manager), Cassia (principal investigator), Joaquin (clinical coordinator), Adrian (graduate student), Galina (visiting scientist), Ula (undergraduate volunteer). Several have strong-looking motives.

Q Who swapped the calibration kit?

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 Priya.
2. Joaquin clashed publicly with management – appears to have motive.
3. But: however pedestrian-door sensor records show they re-authenticated from an internal network at 2:00.
4. Joaquin 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. Ula's badge swipe shows them off-site the entire window.
6. Adrian filed a grievance two weeks ago – appears to have motive.
7. Adrian has familiarity with the security routing and clean-room or vault clearance and a master key issued only to senior staff – initial suspicion was high.
8. Priya their video call ended at 23:15 according to the system.
9. Alejandro has only clean-room or vault clearance of the four requirements.
- 10 Priya has all four requirements: a master key issued only to senior staff, clean-room or vault clearance, familiarity with the security routing, and meets the temporal requirement (presence between 02:15 and 06:00).

Deduction Mysteries

CASE 05

An annotated copy was taken from the staff workroom of Pemberton Research Library during the overnight window between 01:45 and 05:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Esme (rare-books curator), Jules (reference librarian), Mei (intern), Anastasia (volunteer), Etienne (research assistant), Helena (visiting scholar), Emiko (cataloger). Several have strong-looking motives.

Q Who took the annotated copy?

1. Mei has authorization to handle the item and after-hours building access – initial suspicion was high.
2. Anastasia has clearance to the restricted archive and authorization to handle the item and after-hours building access – initial suspicion was high.
3. Jules's archive log shows them off-site the entire window.
4. The trace at the scene (a hand-machined tool stocked in only one closet) ties directly to inventory or systems uniquely accessible to Emiko.
5. But: however the unsecured pedestrian door doesn't require a badge to re-enter.
6. However: Helena is cleared – but they were on a documented overnight flight, verified by airline records.
7. Anastasia clashed publicly with management – appears to have motive.
8. Four independent requirements: clearance to the restricted archive, after-hours building access, presence between 01:45 and 05:00, and authorization to handle the item.
9. Esme lacks after-hours building access – security audit confirms.
10. Emiko has all four requirements: clearance to the restricted archive, after-hours building access, authorization to handle the item, and meets the temporal requirement (presence between 01:45 and 05:00).

CASE 06

A curator notebook was taken from the reading room of Saint-Clair Collection during the overnight window between 01:00 and 05:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Eleni (cataloger), Yvonne (rare-books curator), Mikael (research assistant), Ginevra (head librarian), Tariq (intern), Isolde (visiting scholar), Magnus (volunteer). Several have strong-looking motives.

Q Who took the curator notebook?

1. However: Isolde is cleared – but they were on a documented overnight flight, verified by airline records.
2. Four independent requirements: elevated system privileges, a verified relationship with the donor, presence between 01:00 and 05:15, and authorization to handle the item.
3. Magnus claims to have exited the building at 23:25 – the official badge log confirms this.
4. Ginevra has a verified relationship with the donor and authorization to handle the item – initial suspicion was high.
5. Yvonne lacks a verified relationship with the donor – security audit confirms.
6. Isolde has a verified relationship with the donor and authorization to handle the item and elevated system privileges – initial suspicion was high.
7. However: Tariq is cleared – but security camera places them at the hospital with a family emergency during the entire window.
8. Mikael lacks elevated system privileges – confirmed by personnel records.
9. Eleni's security camera shows them off-site the entire window.
10. Magnus has all four requirements: elevated system privileges, a verified relationship with the donor, authorization to handle the item, and meets the temporal requirement (presence between 01:00 and 05:15).

Answer Key – Deduction Mysteries

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

Case 01 A) Tarek

- Four requirements (elevated system privileges, after-hours building access, presence between 02:15 and 05:45, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Suri appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 02 undefined) Xanthe

- Four requirements (elevated system privileges, administrator credentials, presence between 00:45 and 04:30, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - Nikolai appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 03 A) Roksana

- Four requirements (specialized engineering certification, clean-room or vault clearance, presence between 00:30 and 04:30, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Enzo appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 04 A) Priya

- Four requirements (a master key issued only to senior staff, clean-room or vault clearance, presence between 02:15 and 06:00, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Joaquin appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 05 B) Emiko

- Four requirements (clearance to the restricted archive, after-hours building access, presence between 01:45 and 05:00, authorization to handle the item) plus a unique technical trace narrow the case.
 - Mei appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 06 B) Magnus

- Four requirements (elevated system privileges, a verified relationship with the donor, presence between 01:00 and 05:15, authorization to handle the item) plus a unique technical trace narrow the case.
- Tariq appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.