

Deduction Mysteries

CASE 01

A principal's personal file was taken from the exam preparation room of Northgate Academy during the overnight window between 01:30 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Bram (department head), Kiran (secretary), Vera (school counselor), Alessio (principal), Meriel (teacher), Mateo (coach), Rosalind (substitute teacher), Roksana (janitor). Several have strong-looking motives.

Q Who took the principal's personal file?

1. Alessio has knowledge of the seal serial pattern and after-hours building access and a master key issued only to senior staff – initial suspicion was high.
2. However: Meriel is cleared – but they were on a documented overnight flight, verified by airline records.
3. However: Vera is cleared – but their master key was revoked the day before – confirmed in the security audit.
4. Meriel was passed over for a recent promotion – appears to have motive.
5. Vera filed a grievance two weeks ago – appears to have motive.
6. Kiran lacks a master key issued only to senior staff – confirmed by personnel records.
7. Alessio clashed publicly with management – appears to have motive.
8. Initial assumption pointed to Alessio because of being seen near the building, but this has been independently ruled out.
9. But: however the DHCP log shows their vehicle remained in the lot until well after 01:30.
- 10 The theft involved a seal cut with a serial pattern from a specific supply.
- 11 Bram claims to have exited the building at 22:40 – the official badge log confirms this.
- 12 Bram has all four requirements: a master key issued only to senior staff, after-hours building access, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 01:30 and 04:15).

CASE 02

A laptop was taken from the locker room of Westbrook Academy during the overnight window between 01:15 and 04:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Mikael (librarian), Enzo (secretary), Hiroshi (coach), Akhil (department head), Kalisa (teacher), Sami (janitor), Zephyr (school counselor), Wilder (substitute teacher). Several have strong-looking motives.

Q Who took the laptop?

1. However: Enzo is cleared – but their staff key was revoked the day before – confirmed in the security audit.
2. Akhil their video call ended at 23:30 according to the system.
3. Zephyr has only elevated system privileges of the four requirements.
4. Wilder has after-hours building access and knowledge of the seal serial pattern and elevated system privileges – initial suspicion was high.
5. Kalisa's hallway camera shows them off-site the entire window.
6. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Akhil.
7. Mikael clashed publicly with management – appears to have motive.
8. Enzo has after-hours building access and knowledge of the seal serial pattern – initial suspicion was high.
9. However: Mikael is cleared – but two independent witnesses confirm a video call with them throughout the window.
- 10 Enzo had financial pressure – appears to have motive.
- 11 Akhil has all four requirements: elevated system privileges, after-hours building access, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 01:15 and 04:00).

Deduction Mysteries

CASE 03

The sealed wills were taken from the research area of Aldermarsh County Archive during the overnight window between 02:45 and 06:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Eitan (intern), Polina (administrator), Wilder (conservation specialist), Eira (researcher), Olive (clerk), Nizar (volunteer), Tarek (genealogist). Several have strong-looking motives.

Q Who took the sealed wills?

1. Eira has knowledge of the seal serial pattern and specialized engineering certification – initial suspicion was high.
2. Four independent requirements: specialized engineering certification, administrator credentials, presence between 02:45 and 06:45, and knowledge of the seal serial pattern.
3. The theft involved a network certificate signed by senior staff.
4. Nizar filed a grievance two weeks ago – appears to have motive.
5. Polina has specialized engineering certification and knowledge of the seal serial pattern and administrator credentials – initial suspicion was high.
6. Wilder has only knowledge of the seal serial pattern of the four requirements.
7. Eitan claims to have exited the building at 22:35 – the official badge log confirms this.
8. Olive's archive log shows them off-site the entire window.
9. Initial assumption pointed to Wilder because of being seen near the building, but this has been independently ruled out.
10. However: Eira is cleared – but two independent witnesses confirm a video call with them throughout the window.
11. Polina filed a grievance two weeks ago – appears to have motive.
12. ~~Eitan has all four requirements: specialized engineering certification, administrator credentials, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 02:45 and 06:45).~~

CASE 04

A signed prescription pad was taken from the blood bank of Helix Health Center during the overnight window between 01:45 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Yusuf (attending physician), Wilder (administrator), Tess (head nurse), Ezra (volunteer), Penelope (security officer), Hiroshi (pharmacist), Sora (technician). Several have strong-looking motives.

Q Who took the signed prescription pad?

1. However: Ezra is cleared – but two independent witnesses confirm a video call with them throughout the window.
2. Tess has authorization to handle the item and a verified relationship with the donor and elevated system privileges – initial suspicion was high.
3. Yusuf has authorization to handle the item and elevated system privileges and a verified relationship with the donor – initial suspicion was high.
4. However: Tess is cleared – but their restricted-wing access was revoked the day before – confirmed in the security audit.
5. Ezra had financial pressure – appears to have motive.
6. Sora lacks elevated system privileges – confirmed by personnel records.
7. Four independent requirements: elevated system privileges, a verified relationship with the donor, presence between 01:45 and 04:15, and authorization to handle the item.
8. Ezra has a verified relationship with the donor and elevated system privileges – initial suspicion was high.
9. Penelope 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 01:45 and 04:15).

Deduction Mysteries

CASE 05

The hospital ID badges were taken from the medical records of Northgate Memorial during the overnight window between 00:45 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Iolanthe (social worker), Quentin (head nurse), Ginevra (attending physician), Amari (administrator), Kiran (security officer), Xiomara (pharmacist), Priya (technician), Indira (volunteer). Several have strong-looking motives.

Q Who took the hospital ID badges?

1. The theft involved a seal cut with a serial pattern from a specific supply.
2. Xiomara lacks a verified relationship with the donor – security audit confirms.
3. Four independent requirements: advanced restoration training, a verified relationship with the donor, presence between 00:45 and 04:15, and familiarity with the security routing.
4. However: Iolanthe is cleared – but they were on a documented overnight flight, verified by airline records.
5. However: Priya is cleared – but elevator log places them at the hospital with a family emergency during the entire window.
6. But: however the unsecured side stairwell doesn't require a badge to re-enter.
7. Priya was passed over for a recent promotion – appears to have motive.
8. Amari has only familiarity with the security routing of the four requirements.
9. Kiran claims to have exited the building at 22:00 – the official badge log confirms this.
- 10 Ginevra lacks advanced restoration training – confirmed by personnel records.
- 11 Priya has familiarity with the security routing and advanced restoration training – initial suspicion was high.
- 12 However: Indira is cleared – but two independent witnesses confirm a video call with them throughout the window.

CASE 06

A SSL certificate was extracted from the data archive of Northgate Systems during the overnight window between 02:30 and 06:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Mauro (intern), Ezra (site-reliability engineer), Noor (support lead), Maeve (DevOps lead), Olive (product manager), Ravi (senior engineer), Lior (CTO), Ginevra (security analyst). Several have strong-looking motives.

Q Who extracted the SSL certificate?

1. Maeve had financial pressure – appears to have motive.
2. Noor has all four requirements: advanced restoration training, a verified relationship with the donor, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 02:30 and 06:15).
3. Lior has only knowledge of the seal serial pattern of the four requirements.
4. Noor claims to have exited the building at 22:20 – the official badge log confirms this.
5. The trace at the scene (a hand-machined tool stocked in only one closet) ties directly to inventory or systems uniquely accessible to Noor.
6. Ginevra was passed over for a recent promotion – appears to have motive.
7. However: Ezra is cleared – but two independent witnesses confirm a video call with them throughout the window.
8. Mauro lacks advanced restoration training – confirmed by personnel records.
9. But: however DHCP log records show they re-authenticated from an internal network at 2:55.
- 10 Ezra has advanced restoration training and a verified relationship with the donor and knowledge of the seal serial pattern – initial suspicion was high.
- 11 Ginevra has knowledge of the seal serial pattern and advanced restoration training and a verified relationship with the donor – initial suspicion was high.

Answer Key – Deduction Mysteries

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

Case 01 E) Bram

- ☒ Four requirements (a master key issued only to senior staff, after-hours building access, presence between 01:30 and 04:15, 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.
-

Case 02 D) Akhil

- ☒ Four requirements (elevated system privileges, after-hours building access, presence between 01:15 and 04:00, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Mikael appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 03 E) Eitan

- ☒ Four requirements (specialized engineering certification, administrator credentials, presence between 02:45 and 06:45, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Polina appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 04 F) Penelope

- ☒ Four requirements (elevated system privileges, a verified relationship with the donor, presence between 01:45 and 04:15, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Ezra appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 05 undefined) Kiran

- ☒ Four requirements (advanced restoration training, a verified relationship with the donor, presence between 00:45 and 04:15, familiarity with the security routing) plus a unique technical trace narrow the case.
 - ☒ Iolanthe appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-

Case 06 D) Noor

- ☒ Four requirements (advanced restoration training, a verified relationship with the donor, presence between 02:30 and 06:15, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Ginevra appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
-