

## Deduction Mysteries

### CASE 01

A strategy deck was taken from the legal archive of Velocity Labs during the overnight window between 00:45 and 04:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Amari (CFO), Thora (facilities coordinator), Rhys (legal counsel), Hattie (intern), Nizar (senior engineer), Vidal (HR director), Octavia (executive assistant). Several have strong-looking motives.

#### Q Who took the strategy deck?

1. Initial assumption pointed to Vidal because of being seen near the building, but this has been independently ruled out.
2. Hattie has familiarity with the security routing and a master key issued only to senior staff – initial suspicion was high.
3. Vidal had financial pressure – appears to have motive.
4. However: Hattie is cleared – but two independent witnesses confirm a video call with them throughout the window.
5. But: however parking-lot camera records show they re-authenticated from an internal network at 1:35.
6. Four independent requirements: a master key issued only to senior staff, clean-room or vault clearance, presence between 00:45 and 04:30, and familiarity with the security routing.
7. Hattie was passed over for a recent promotion – appears to have motive.
8. Thora claims to have exited the building at 23:10 – the official badge log confirms this.
9. 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 Thora.
- 10 Octavia has a master key issued only to senior staff and clean-room or vault clearance – initial suspicion was high.
- 11 Thora 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 00:45 and 04:30).

### CASE 02

A grading book was taken from the science lab of Hawthorne Day School during the overnight window between 00:45 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Lior (student council president), Akira (principal), Wilder (school counselor), Ezra (substitute teacher), Galina (coach), Adrian (janitor), Indira (department head). Several have strong-looking motives.

#### Q Who took the grading book?

1. Initial assumption pointed to Wilder because of public friction with management, but this has been independently ruled out.
2. However: Indira is cleared – but they were on a documented overnight flight, verified by airline records.
3. Ezra has after-hours building access and specialized engineering certification and authorization to handle the item – initial suspicion was high.
4. Galina was passed over for a recent promotion – appears to have motive.
5. However: Ezra is cleared – but witness statement places them at the hospital with a family emergency during the entire window.
6. Ezra had financial pressure – appears to have motive.
7. Adrian's keycard log shows them off-site the entire window.
8. Akira claims to have exited the building at 22:45 – the official badge log confirms this.
9. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Akira.
- 10 The theft involved a foam replica skillfully painted with restoration-grade spray paint.
- 11 Wilder's hallway camera shows them off-site the entire window.

## Deduction Mysteries

### CASE 03

A sealed wine bottle was taken from the dining floor of Pemberton Tavern during the overnight window between 01:30 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Anand (dishwasher), Zephyr (host), Bayan (bartender), Tatum (sous chef), Magnus (line cook), Adrian (manager), Mateo (sommelier), Elspeth (head chef). Several have strong-looking motives.

#### Q Who took the sealed wine bottle?

1. Tatum has all four requirements: elevated system privileges, a verified relationship with the donor, possession of the specific tool used, and meets the temporal requirement (presence between 01:30 and 04:15).
2. Mateo has elevated system privileges and possession of the specific tool used and a verified relationship with the donor – initial suspicion was high.
3. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Tatum.
4. Adrian lacks elevated system privileges – confirmed by personnel records.
5. Magnus's front-of-house camera shows them off-site the entire window.
6. Elspeth has elevated system privileges and a verified relationship with the donor and possession of the specific tool used – initial suspicion was high.
7. Mateo filed a grievance two weeks ago – appears to have motive.
8. Four independent requirements: elevated system privileges, a verified relationship with the donor, presence between 01:30 and 04:15, and possession of the specific tool used.
9. However: Elspeth is cleared – but they were on a documented overnight flight, verified by airline records.
- 10 Elspeth filed a grievance two weeks ago – appears to have motive.

### CASE 04

A referee's notebook was taken from the locker room of Saint-Clair Field House during the overnight window between 01:45 and 04:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Magnus (rookie player), Kalinda (facilities manager), Tatum (head coach), Gemma (team statistician), Rosalind (star player), Eleni (team captain), Amari (athletic trainer). Several have strong-looking motives.

#### Q Who took the referee's notebook?

1. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Eleni.
2. Eleni has all four requirements: specialized engineering certification, documented hands-on history with the item, familiarity with the security routing, and meets the temporal requirement (presence between 01:45 and 04:30).
3. Gemma was passed over for a recent promotion – appears to have motive.
4. Rosalind has only documented hands-on history with the item of the four requirements.
5. Amari clashed publicly with management – appears to have motive.
6. Magnus was passed over for a recent promotion – appears to have motive.
7. Gemma has familiarity with the security routing and specialized engineering certification – initial suspicion was high.
8. Tatum has only documented hands-on history with the item of the four requirements.
9. However: Magnus is cleared – but their locker code was revoked the day before – confirmed in the security audit.
- 10 But: however parking-lot camera records show they re-authenticated from an internal network at 2:55.
- 11 However: Gemma is cleared – but two independent witnesses confirm a video call with them throughout the window.

## Deduction Mysteries

### CASE 05

A rare coin set was taken from the second-floor gallery of Whitmore Museum during the overnight window between 02:15 and 05:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Hadley (security guard), Iolanthe (exhibition designer), Magnus (janitor), Talia (night security), Elara (art restorer), Mira (gift shop manager), Damaris (archivist). Several have strong-looking motives.

#### Q Who took the rare coin set?

1. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
2. However: Talia is cleared – but security camera places them at the hospital with a family emergency during the entire window.
3. But: however parking-lot camera records show they re-authenticated from an internal network at 2:35.
4. Talia had financial pressure – appears to have motive.
5. Iolanthe 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 05:15).
6. However: Elara is cleared – but they were on a documented overnight flight, verified by airline records.
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. Talia has elevated system privileges and possession of the specific tool used and after-hours building access – initial suspicion was high.
9. However: Magnus is cleared – but two independent witnesses confirm a video call with them throughout the window.
- 10 Elara has after-hours building access and possession of the specific tool used and elevated system . privileges – initial suspicion was high.

### CASE 06

The pharmacy keys were taken from the operating theater of Aldermarsh Clinic during the overnight window between 00:15 and 04:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Arjun (administrator), Kasper (technician), Zephyr (attending physician), Maeve (head nurse), Kerensa (volunteer), Fenella (pharmacist), Zara (social worker). Several have strong-looking motives.

#### Q Who took the pharmacy keys?

1. Zephyr claims to have exited the building at 23:20 – the official badge log confirms this.
2. Zara's witness staff shows them off-site the entire window.
3. Kerensa lacks clearance to the restricted archive – confirmed by personnel records.
4. Initial assumption pointed to Maeve because of proximity to the scene earlier, but this has been independently ruled out.
5. However: Arjun is cleared – but two independent witnesses confirm a video call with them throughout the window.
6. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Zephyr.
7. Arjun has clearance to the restricted archive and knowledge of the seal serial pattern and a verified relationship with the donor – initial suspicion was high.
8. Fenella clashed publicly with management – appears to have motive.
9. Zephyr has all four requirements: clearance to the restricted archive, a verified relationship with the donor, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 00:15 and 04:45).
- 10 However: Maeve is cleared – but badge log places them at the hospital with a family emergency during . the entire window.

## Answer Key – Deduction Mysteries

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

---

### Case 01 E) Thora

- Four requirements (a master key issued only to senior staff, clean-room or vault clearance, presence between 00:45 and 04:30, familiarity with the security routing) plus a unique technical trace narrow the case.
  - Vidal appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
- 

### Case 02 undefined) Akira

- Four requirements (specialized engineering certification, after-hours building access, presence between 00:45 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 03 undefined) Tatum

- Four requirements (elevated system privileges, a verified relationship with the donor, presence between 01:30 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
  - Mateo appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
- 

### Case 04 C) Eleni

- Four requirements (specialized engineering certification, documented hands-on history with the item, presence between 01:45 and 04:30, familiarity with the security routing) plus a unique technical trace narrow the case.
  - Amari appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
- 

### Case 05 F) Iolanthe

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

### Case 06 B) Zephyr

- Four requirements (clearance to the restricted archive, a verified relationship with the donor, presence between 00:15 and 04:45, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
- Fenella appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.