

## Deduction Mysteries

### CASE 01

A VIP patient file was taken from the administrator office of Helix Health Center during the overnight window between 00:30 and 03:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Tarek (security officer), Kasimir (social worker), Noor (janitor), Aiko (volunteer), Daphne (medical resident), Kai (administrator), Vidal (attending physician), Joren (pharmacist). Several have strong-looking motives.

#### Q Who took the VIP patient file?

1. Kai has elevated system privileges and authorization to handle the item and clean-room or vault clearance – initial suspicion was high.
2. However: Aiko is cleared – but they were on a documented overnight flight, verified by airline records.
3. Four independent requirements: elevated system privileges, clean-room or vault clearance, presence between 00:30 and 03:45, and authorization to handle the item.
4. Kai had financial pressure – appears to have motive.
5. However: Kai is cleared – but their hospital badge was revoked the day before – confirmed in the security audit.
6. Kasimir's medication audit shows them off-site the entire window.
7. Tarek has only elevated system privileges of the four requirements.
8. Initial assumption pointed to Vidal because of public friction with management, but this has been independently ruled out.
9. Vidal lacks clean-room or vault clearance – security audit confirms.
10. Noor was passed over for a recent promotion – appears to have motive.
11. Aiko clashed publicly with management – appears to have motive.
12. ~~Aiko has elevated system privileges and authorization to handle the item and clean-room or vault clearance – initial suspicion was high.~~

### CASE 02

The student transcripts were taken from the staff bathroom of Brierfield Prep during the overnight window between 01:45 and 05:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Rhys (teacher), Bao (janitor), Tarek (substitute teacher), Dimitri (secretary), Renata (principal), Penelope (librarian), Priya (school counselor). Several have strong-looking motives.

#### Q Who took the student transcripts?

1. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Priya.
2. Priya their video call ended at 22:45 according to the system.
3. Bao has familiarity with the security routing and specialized engineering certification – initial suspicion was high.
4. Priya has all four requirements: specialized engineering certification, clean-room or vault clearance, familiarity with the security routing, and meets the temporal requirement (presence between 01:45 and 05:30).
5. However: Tarek is cleared – but two independent witnesses confirm a video call with them throughout the window.
6. Rhys filed a grievance two weeks ago – appears to have motive.
7. The theft involved a network certificate signed by senior staff.
8. Bao had financial pressure – appears to have motive.
9. However: Bao is cleared – but they were on a documented overnight flight, verified by airline records.
10. Renata lacks clean-room or vault clearance – security audit confirms.

## Deduction Mysteries

### CASE 03

A client contract data was extracted from the network closet of Helix Tech during the overnight window between 01:45 and 05:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Olive (data scientist), Stellan (product manager), Kasper (DevOps lead), Florian (site-reliability engineer), Hasan (contractor), Sami (senior engineer), Simeon (intern). Several have strong-looking motives.

#### Q Who extracted the client contract data?

1. Florian has clean-room or vault clearance and familiarity with the security routing and advanced restoration training – initial suspicion was high.
2. Initial assumption pointed to Hasan because of being seen near the building, but this has been independently ruled out.
3. Kasper's MFA token log shows them off-site the entire window.
4. Hasan has advanced restoration training and familiarity with the security routing – initial suspicion was high.
5. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Olive.
6. Simeon had financial pressure – appears to have motive.
7. Hasan had financial pressure – appears to have motive.
8. Simeon has clean-room or vault clearance and advanced restoration training – initial suspicion was high.
9. However: Florian is cleared – but they were on a documented overnight flight, verified by airline records.
- 10 But: however the unsecured pedestrian door doesn't require a badge to re-enter.
- 11 However: Simeon is cleared – but they were on a documented overnight flight, verified by airline records.

### CASE 04

A rare ingredient was taken from the walk-in cooler of Quartermaine's during the overnight window between 00:45 and 03:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Lior (sous chef), Zara (line cook), Anastasia (sommelier), Tatum (host), Caelan (dishwasher), Jacinta (server), Meriel (bartender). Several have strong-looking motives.

#### Q Who took the rare ingredient?

1. The theft involved a hand-machined tool stocked in only one closet.
2. Anastasia had financial pressure – appears to have motive.
3. However: Tatum is cleared – but their register code was revoked the day before – confirmed in the security audit.
4. Anastasia has clean-room or vault clearance and authorization to handle the item and elevated system privileges – initial suspicion was high.
5. However: Anastasia is cleared – but front-of-house camera places them at the hospital with a family emergency during the entire window.
6. Meriel has all four requirements: elevated system privileges, clean-room or vault clearance, authorization to handle the item, and meets the temporal requirement (presence between 00:45 and 03:15).
7. Caelan had financial pressure – appears to have motive.
8. Meriel their video call ended at 22:25 according to the system.
9. Tatum clashed publicly with management – appears to have motive.
- 10 However: Caelan is cleared – but front-of-house camera places them at the hospital with a family emergency during the entire window.

## Deduction Mysteries

### CASE 05

The admin credentials were extracted from the war room of Brightline Software during the overnight window between 00:15 and 03:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Yusuf (site-reliability engineer), Sigrid (CTO), Cassia (intern), Zara (product manager), Olive (DevOps lead), Klaus (contractor), Oren (support lead), Darya (security analyst). Several have strong-looking motives.

#### Q Who extracted the admin credentials?

1. Klaus's CCTV camera shows them off-site the entire window.
2. But: however the unsecured side stairwell doesn't require a badge to re-enter.
3. Darya has clean-room or vault clearance and possession of the specific tool used – initial suspicion was high.
4. Cassia lacks clean-room or vault clearance – security audit confirms.
5. Oren has clean-room or vault clearance and possession of the specific tool used and elevated system privileges – initial suspicion was high.
6. Olive has all four requirements: elevated system privileges, clean-room or vault clearance, possession of the specific tool used, and meets the temporal requirement (presence between 00:15 and 03:00).
7. Oren clashed publicly with management – appears to have motive.
8. However: Oren is cleared – but their admin token was revoked the day before – confirmed in the security audit.
9. Four independent requirements: elevated system privileges, clean-room or vault clearance, presence between 00:15 and 03:00, and possession of the specific tool used.
- 10 Zara has only elevated system privileges of the four requirements.
- 11 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 Olive.

### CASE 06

The box-office receipts were taken from the dressing room of Argent Theatre during the overnight window between 02:00 and 05:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Joaquin (costume designer), Gunnar (director), Kiran (lighting tech), Nizar (prop master), Phaedra (understudy), Tariq (lead actor), Akira (box-office manager), Frida (stage manager). Several have strong-looking motives.

#### Q Who took the box-office receipts?

1. Kiran's stage door camera shows them off-site the entire window.
2. 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 Frida.
3. Joaquin lacks clean-room or vault clearance – security audit confirms.
4. Tariq's box-office system shows them off-site the entire window.
5. Nizar's rehearsal sign-in shows them off-site the entire window.
6. But: however the pedestrian-door sensor shows their vehicle remained in the lot until well after 02:00.
7. Akira clashed publicly with management – appears to have motive.
8. Frida their video call ended at 22:15 according to the system.
9. However: Akira is cleared – but they were on a documented overnight flight, verified by airline records.
- 10 However: Gunnar is cleared – but their backstage pass was revoked the day before – confirmed in the security audit.
- 11 The theft involved a seal cut with a serial pattern from a specific supply.
- 12 Initial assumption pointed to Tariq because of being seen near the building, but this has been independently ruled out.

## Answer Key – Deduction Mysteries

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

---

### Case 01 F) Joren

- Four requirements (elevated system privileges, clean-room or vault clearance, presence between 00:30 and 03:45, authorization to handle the item) plus a unique technical trace narrow the case.
  - Noor appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
- 

### Case 02 B) Priya

- Four requirements (specialized engineering certification, clean-room or vault clearance, presence between 01:45 and 05:30, familiarity with the security routing) plus a unique technical trace narrow the case.
  - Rhys appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
- 

### Case 03 undefined) Olive

- Four requirements (advanced restoration training, clean-room or vault clearance, presence between 01:45 and 05:00, familiarity with the security routing) plus a unique technical trace narrow the case.
  - Hasan appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
- 

### Case 04 undefined) Meriel

- Four requirements (elevated system privileges, clean-room or vault clearance, presence between 00:45 and 03:15, authorization to handle the item) plus a unique technical trace narrow the case.
  - Tatum appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
- 

### Case 05 C) Olive

- Four requirements (elevated system privileges, clean-room or vault clearance, presence between 00:15 and 03:00, possession of the specific tool used) plus a unique technical trace narrow the case.
  - Darya appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
- 

### Case 06 F) Frida

- Four requirements (elevated system privileges, clean-room or vault clearance, presence between 02:00 and 05:00, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
- Phaedra appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.