

Deduction Mysteries

CASE 01

A sealed contract was taken from the records vault of Quartermaine & Associates during the overnight window between 02:30 and 05:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Arjun (security officer), Lior (CFO), Akhil (records clerk), Marisol (HR director), Eitan (legal counsel), Aaliyah (intern), Klaus (facilities coordinator). Several have strong-looking motives.

Q Who took the sealed contract?

1. However: Eitan is cleared – but they were on a documented overnight flight, verified by airline records.
2. Lior has elevated system privileges and a verified relationship with the donor and knowledge of the seal serial pattern – initial suspicion was high.
3. Klaus has all four requirements: elevated system privileges, a verified relationship with the donor, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 02:30 and 05:15).
4. Marisol has a verified relationship with the donor and elevated system privileges and knowledge of the seal serial pattern – initial suspicion was high.
5. However: Lior is cleared – but their admin credentials was revoked the day before – confirmed in the security audit.
6. Eitan had financial pressure – appears to have motive.
7. Akhil's door access record shows them off-site the entire window.
8. However: Marisol is cleared – but they were on a documented overnight flight, verified by airline records.
9. Initial assumption pointed to Marisol because of being seen near the building, but this has been independently ruled out.

CASE 02

A signed prescription pad was taken from the staff lounge of Helix Health Center during the overnight window between 01:15 and 05:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Tarek (attending physician), Hadley (janitor), Elara (security officer), Suri (volunteer), Aurora (technician), Ulla (medical resident), Dario (social worker). Several have strong-looking motives.

Q Who took the signed prescription pad?

1. Tarek was officially signed out at 23:20 via the front-desk register.
2. But: however the VPN session record shows their vehicle remained in the lot until well after 01:15.
3. Dario had financial pressure – appears to have motive.
4. The theft involved a hand-machined tool stocked in only one closet.
5. Elara has only knowledge of the seal serial pattern of the four requirements.
6. Aurora has only knowledge of the seal serial pattern of the four requirements.
7. However: Dario is cleared – but they were on a documented overnight flight, verified by airline records.
8. Hadley's door sensor shows them off-site the entire window.
9. Dario has clean-room or vault clearance and knowledge of the seal serial pattern – initial suspicion was high.
- 10 Four independent requirements: advanced restoration training, clean-room or vault clearance, presence between 01:15 and 05:15, and knowledge of the seal serial pattern.
- 11 However: Suri is cleared – but they were on a documented overnight flight, verified by airline records.
- 12 Ulla had financial pressure – appears to have motive.

Deduction Mysteries

CASE 03

The locker contents were taken from the coach's office of Aldermarsh Arena during the overnight window between 02:15 and 05:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Bjorn (rookie player), Oren (athletic trainer), Talia (equipment manager), Leander (team statistician), Lana (head coach), Hadley (referee), Helena (facilities manager). Several have strong-looking motives.

Q Who took the locker contents?

1. Talia filed a grievance two weeks ago – appears to have motive.
2. Lana clashed publicly with management – appears to have motive.
3. Oren has all four requirements: elevated system privileges, documented hands-on history with the item, familiarity with the security routing, and meets the temporal requirement (presence between 02:15 and 05:45).
4. Helena has elevated system privileges and documented hands-on history with the item – initial suspicion was high.
5. Bjorn's locker-room sensor shows them off-site the entire window.
6. The theft involved a hand-machined tool stocked in only one closet.
7. However: Talia is cleared – but they were on a documented overnight flight, verified by airline records.
8. Hadley's locker-room sensor shows them off-site the entire window.
9. However: Helena is cleared – but facility camera places them at the hospital with a family emergency during the entire window.
- 10 Initial assumption pointed to Lana because of public friction with management, but this has been independently ruled out.
- 11 The trace at the scene (a hand-machined tool stocked in only one closet) ties directly to inventory or systems uniquely accessible to Oren.

CASE 04

A signed prescription pad was taken from the staff lounge of Helix Health Center during the overnight window between 00:00 and 03:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Hiroshi (medical resident), Beatrix (volunteer), Mauro (janitor), Zinnia (social worker), Zara (administrator), Mahdi (technician), Yusuf (attending physician). Several have strong-looking motives.

Q Who took the signed prescription pad?

1. Mauro lacks a master key issued only to senior staff – confirmed by personnel records.
2. However: Hiroshi is cleared – but two independent witnesses confirm a video call with them throughout the window.
3. Zara has only a master key issued only to senior staff of the four requirements.
4. Mahdi filed a grievance two weeks ago – appears to have motive.
5. Mahdi has a master key issued only to senior staff and possession of the specific tool used – initial suspicion was high.
6. Yusuf filed a grievance two weeks ago – appears to have motive.
7. Yusuf has after-hours building access and possession of the specific tool used – initial suspicion was high.
8. Four independent requirements: a master key issued only to senior staff, after-hours building access, presence between 00:00 and 03:15, and possession of the specific tool used.
9. However: Mahdi is cleared – but two independent witnesses confirm a video call with them throughout the window.
- 10 Hiroshi has after-hours building access and a master key issued only to senior staff and possession of the specific tool used – initial suspicion was high.

Deduction Mysteries

CASE 05

An oil painting was taken from the archive room of Aldworth Collection during the overnight window between 02:30 and 05:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Cassia (archivist), Nadia (exhibition designer), Frida (curator), Katarina (tour guide), Tariq (janitor), Ronan (night security), Sora (docent), Ginevra (art restorer). Several have strong-looking motives.

Q Who took the oil painting?

1. Ronan has only elevated system privileges of the four requirements.
2. Nadia claims to have exited the building at 23:40 – the official badge log confirms this.
3. Katarina was passed over for a recent promotion – appears to have motive.
4. Ginevra has familiarity with the security routing and after-hours building access and elevated system privileges – initial suspicion was high.
5. Ginevra filed a grievance two weeks ago – appears to have motive.
6. Frida lacks elevated system privileges – confirmed by personnel records.
7. Cassia filed a grievance two weeks ago – appears to have motive.
8. But: however the DHCP log shows their vehicle remained in the lot until well after 02:30.
9. Four independent requirements: elevated system privileges, after-hours building access, presence between 02:30 and 05:30, and familiarity with the security routing.
- 10 However: Katarina is cleared – but security camera places them at the hospital with a family emergency during the entire window.
- 11 Tariq has only elevated system privileges of the four requirements.
- 12 However: Ginevra is cleared – but badge swipe log places them at the hospital with a family emergency during the entire window.

CASE 06

A reservation book was taken from the dining floor of Octavia's during the overnight window between 02:30 and 05:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Bjorn (manager), Phaedra (host), Lior (bartender), Kasper (sommelier), Florian (dishwasher), Ilya (line cook), Omari (pastry chef), Vidal (sous chef). Several have strong-looking motives.

Q Who took the reservation book?

1. Bjorn had financial pressure – appears to have motive.
2. Vidal has only advanced restoration training of the four requirements.
3. Initial assumption pointed to Vidal because of proximity to the scene earlier, but this has been independently ruled out.
4. Omari has only familiarity with the security routing of the four requirements.
5. Kasper has advanced restoration training and after-hours building access and familiarity with the security routing – initial suspicion was high.
6. Phaedra their video call ended at 23:00 according to the system.
7. Florian has familiarity with the security routing and advanced restoration training – initial suspicion was high.
8. Four independent requirements: advanced restoration training, after-hours building access, presence between 02:30 and 05:30, and familiarity with the security routing.
9. However: Florian is cleared – but POS log places them at the hospital with a family emergency during the entire window.
- 10 The theft involved a network certificate signed by senior staff.
- 11 But: however the VPN session record shows their vehicle remained in the lot until well after 02:30.

Answer Key – Deduction Mysteries

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

Case 01 E) Klaus

- Four requirements (elevated system privileges, a verified relationship with the donor, presence between 02:30 and 05:15, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - Eitan appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 A) Tarek

- Four requirements (advanced restoration training, clean-room or vault clearance, presence between 01:15 and 05:15, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - Dario appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 E) Oren

- Four requirements (elevated system privileges, documented hands-on history with the item, presence between 02:15 and 05:45, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Lana appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 F) Beatrix

- Four requirements (a master key issued only to senior staff, after-hours building access, presence between 00:00 and 03:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Hiroshi appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 F) Nadia

- Four requirements (elevated system privileges, after-hours building access, presence between 02:30 and 05:30, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Cassia appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 E) Phaedra

- Four requirements (advanced restoration training, after-hours building access, presence between 02:30 and 05:30, familiarity with the security routing) plus a unique technical trace narrow the case.
- Bjorn appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.