

Deduction Mysteries

CASE 01

A lead actor's costume was taken from the box office of Argent Theatre during the overnight window between 02:15 and 06:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Yvonne (box-office manager), Ginevra (director), Fariha (stagehand), Akira (musical director), Zoltan (prop master), Aleksandr (understudy), Odell (costume designer). Several have strong-looking motives.

Q Who took the lead actor's costume?

1. Initial assumption pointed to Ginevra because of being seen near the building, but this has been independently ruled out.
2. Zoltan has all four requirements: advanced restoration training, administrator credentials, familiarity with the security routing, and meets the temporal requirement (presence between 02:15 and 06:45).
3. Ginevra's dressing-room sign-in shows them off-site the entire window.
4. Akira lacks advanced restoration training – confirmed by personnel records.
5. Zoltan was officially signed out at 22:50 via the front-desk register.
6. However: Yvonne is cleared – but props inventory log places them at the hospital with a family emergency during the entire window.
7. However: Aleksandr is cleared – but they were on a documented overnight flight, verified by airline records.
8. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Zoltan.
9. Fariha's rehearsal sign-in shows them off-site the entire window.
- 10 Four independent requirements: advanced restoration training, administrator credentials, presence between 02:15 and 06:45, and familiarity with the security routing.

CASE 02

The box-office receipts were taken from the costume room of Pemberton Opera House during the overnight window between 01:15 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Cassia (lead actor), Joren (costume designer), Finnegan (lighting tech), Klaus (understudy), Hakim (musical director), Maeve (stagehand), Priya (prop master). Several have strong-looking motives.

Q Who took the box-office receipts?

1. However: Finnegan is cleared – but their box-office key was revoked the day before – confirmed in the security audit.
2. Joren has clearance to the restricted archive and possession of the specific tool used – initial suspicion was high.
3. Klaus claims to have exited the building at 23:50 – the official badge log confirms this.
4. Klaus has all four requirements: clearance to the restricted archive, documented hands-on history with the item, possession of the specific tool used, and meets the temporal requirement (presence between 01:15 and 04:15).
5. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
6. Joren had financial pressure – appears to have motive.
7. But: however DHCP log records show they re-authenticated from an internal network at 1:05.
8. However: Maeve is cleared – but two independent witnesses confirm a video call with them throughout the window.
9. Priya's box-office system shows them off-site the entire window.
- 10 Maeve filed a grievance two weeks ago – appears to have motive.
- 11 Finnegan was passed over for a recent promotion – appears to have motive.

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CASE 03

A SSL certificate was extracted from the network closet of Velocity Networks during the overnight window between 02:15 and 06:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Hattie (data scientist), Juno (security analyst), Sami (DevOps lead), Gisela (CTO), Pavel (senior engineer), Alessio (contractor), Dimitri (support lead). Several have strong-looking motives.

Q Who extracted the SSL certificate?

1. Juno clashed publicly with management – appears to have motive.
2. However: Alessio is cleared – but their badge was revoked the day before – confirmed in the security audit.
3. Gisela has clean-room or vault clearance and possession of the specific tool used and elevated system privileges – initial suspicion was high.
4. Initial assumption pointed to Juno because of public friction with management, but this has been independently ruled out.
5. Four independent requirements: elevated system privileges, clean-room or vault clearance, presence between 02:15 and 06:45, and possession of the specific tool used.
6. But: however seal serial registry records show they re-authenticated from an internal network at 1:45.
7. Alessio has possession of the specific tool used and clean-room or vault clearance – initial suspicion was high.
8. Gisela clashed publicly with management – appears to have motive.
9. Juno has possession of the specific tool used and elevated system privileges and clean-room or vault clearance – initial suspicion was high.
- 10 Sami 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 02:15 and 06:45).

The pharmacy keys were taken from the operating theater of Helix Health Center during the overnight window between 00:00 and 03:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Mikael (security officer), Fariha (medical resident), Rhys (attending physician), Kai (janitor), Klaus (head nurse), Omari (social worker), Tarek (administrator), Ramona (technician). Several have strong-looking motives.

Q Who took the pharmacy keys?

1. Fariha has a master key issued only to senior staff and after-hours building access – initial suspicion was high.
2. Initial assumption pointed to Klaus because of public friction with management, but this has been independently ruled out.
3. The theft involved an encryption signature tied to the internal training network.
4. Omari was passed over for a recent promotion – appears to have motive.
5. Fariha clashed publicly with management – appears to have motive.
6. Mikael has only a master key issued only to senior staff of the four requirements.
7. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Ramona.
8. However: Klaus is cleared – but they were on a documented overnight flight, verified by airline records.
9. Omari has after-hours building access and a master key issued only to senior staff – initial suspicion was high.
- 10 Rhys has only a master key issued only to senior staff of the four requirements.
- 11 Ramona has all four requirements: a master key issued only to senior staff, after-hours building access, familiarity with the security routing, and meets the temporal requirement (presence between 00:00 and 03:45).

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CASE 05

A bronze sculpture was taken from the loading dock of Whitmore Museum during the overnight window between 01:30 and 05:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Cedric (docent), Zara (janitor), Priya (night security), Hiroshi (exhibition designer), Suri (security guard), Fenella (gift shop manager), Alessio (archivist). Several have strong-looking motives.

Q Who took the bronze sculpture?

1. Alessio was passed over for a recent promotion – appears to have motive.
2. However: Alessio is cleared – but they were on a documented overnight flight, verified by airline records.
3. Zara lacks elevated system privileges – confirmed by personnel records.
4. Suri has only after-hours building access of the four requirements.
5. Four independent requirements: elevated system privileges, after-hours building access, presence between 01:30 and 05:45, and familiarity with the security routing.
6. The theft involved a hand-machined tool stocked in only one closet.
7. Hiroshi their video call ended at 22:50 according to the system.
8. Cedric's motion sensor shows them off-site the entire window.
9. Fenella had financial pressure – appears to have motive.
- 10 However: Fenella is cleared – but two independent witnesses confirm a video call with them throughout the window.
- 11 Initial assumption pointed to Cedric because of being seen near the building, but this has been independently ruled out.
- 12 However: Priya is cleared – but witness testimony places them at the hospital with a family emergency during the entire window.

CASE 06

A signed manuscript was taken from the restoration room of Aldermarsh Library during the overnight window between 02:00 and 05:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Hakim (cataloger), Yusuf (visiting scholar), Ulla (intern), Vera (reference librarian), Tatum (volunteer), Renata (archivist), Etienne (head librarian). Several have strong-looking motives.

Q Who took the signed manuscript?

1. However: Hakim is cleared – but badge swipe places them at the hospital with a family emergency during the entire window.
2. Hakim has after-hours building access and advanced restoration training and possession of the specific tool used – initial suspicion was high.
3. Yusuf has all four requirements: advanced restoration training, after-hours building access, possession of the specific tool used, and meets the temporal requirement (presence between 02:00 and 05:45).
4. Vera lacks after-hours building access – security audit confirms.
5. Etienne has possession of the specific tool used and after-hours building access and advanced restoration training – initial suspicion was high.
6. Four independent requirements: advanced restoration training, after-hours building access, presence between 02:00 and 05:45, and possession of the specific tool used.
7. Ulla has only after-hours building access of the four requirements.
8. The theft involved a hand-machined tool stocked in only one closet.
9. However: Renata is cleared – but door sensor places them at the hospital with a family emergency during the entire window.
- 10 Tatum has only advanced restoration training of the four requirements.

Answer Key – Deduction Mysteries

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

Case 01 F) Zoltan

- ☒ Four requirements (advanced restoration training, administrator credentials, presence between 02:15 and 06:45, familiarity with the security routing) plus a unique technical trace narrow the case.
 - ☒ Odell appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 E) Klaus

- ☒ Four requirements (clearance to the restricted archive, documented hands-on history with the item, presence between 01:15 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Joren appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 D) Sami

- ☒ Four requirements (elevated system privileges, clean-room or vault clearance, presence between 02:15 and 06:45, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Alessio appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 F) Ramona

- ☒ Four requirements (a master key issued only to senior staff, after-hours building access, presence between 00:00 and 03:45, familiarity with the security routing) plus a unique technical trace narrow the case.
 - ☒ Klaus appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 A) Hiroshi

- ☒ Four requirements (elevated system privileges, after-hours building access, presence between 01:30 and 05:45, familiarity with the security routing) plus a unique technical trace narrow the case.
 - ☒ Alessio appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 B) Yusuf

- ☒ Four requirements (advanced restoration training, after-hours building access, presence between 02:00 and 05:45, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Hakim appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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