

Deduction Mysteries

CASE 01

A sealed wine bottle was taken from the manager's office of Saint-Clair Café between 01:30 and 03:15. The operation required specific qualifications and access. 6 suspects: Meriel (dishwasher), Quincy (host), Damaris (server), Omari (bartender), Dario (pastry chef), Cosima (sommelier).

Q Who took the sealed wine bottle?

1. Meriel stated they left the building at 23:15, but the door sensor history shows their master key active at 01:30.
2. Omari had the qualifications but was on a flight during the window – third-party verified.
3. Damaris's master key was revoked two weeks prior; archived access list confirms.
4. Cosima was at a documented hospital appointment during the window – verified by front-of-house camera.
5. Three independent requirements: professional training, master key access, and presence at the manager's office during the 01:30–03:15 window.
6. Quincy lacks the required professional training – confirmed by personnel records.
7. Dario had the qualifications but was on a flight during the window – third-party verified.
8. Omari was seen near the front register earlier that evening, but they had left the building by 20:50 and never returned.
9. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Meriel.
- 10 Meriel has all three required qualifications.
- 11 The theft required a specific paint formulation only stocked in the restoration lab.

CASE 02

An original script was taken from the rehearsal hall of Helix Repertory between 03:30 and 05:45. The operation required specific qualifications and access. 7 suspects: Suri (costume designer), Tariq (musical director), Cyrus (lead actor), Gunnar (stage manager), Gemma (prop master), Akira (lighting tech), Yvonne (understudy).

Q Who took the original script?

1. Yvonne's prop-room code was revoked two weeks prior; archived access list confirms.
2. Akira lacks the required professional expertise – confirmed by personnel records.
3. Yvonne was seen near the prop storage earlier that evening, but they had left the building by 20:30 and never returned.
4. Three independent requirements: professional expertise, prop-room code access, and presence at the rehearsal hall during the 03:30–05:45 window.
5. Gunnar stated they left the building at 22:15, but the door sensor history shows their prop-room code active at 03:30.
6. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Gunnar.
7. Cyrus was at a documented conference during the window – verified by witness crew member.
8. Gunnar has all three required qualifications.
9. Gemma was at a documented conference during the window – verified by witness crew member.
- 10 Suri's stage door camera shows continuous presence in a separate building.
- 11 Tariq lacks the required professional expertise – confirmed by personnel records.
- 12 The theft required a digital certificate issued only to senior staff.

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CASE 03

A referee's notebook was taken from the trophy display case of Pemberton Stadium between 00:15 and 02:30. The operation required specific qualifications and access. 6 suspects: Rosalind (star player), Zinnia (equipment manager), Sami (athletic trainer), Kenji (head coach), Sigrid (team captain), Florian (referee).

Q Who took the referee's notebook?

1. Sigrid's equipment sign-out shows continuous presence in a separate building.
2. Kenji lacks the required professional certification – confirmed by personnel records.
3. Sami had the qualifications but family was visiting during the window – third-party verified.
4. Three independent requirements: professional certification, facility badge access, and presence at the trophy display case during the 00:15-02:30 window.
5. Florian has all three required qualifications.
6. Zinnia was seen near the training facility earlier that evening, but they had left the building by 21:10 and never returned.
7. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Florian.
8. Florian stated they left the building at 22:55, but the door sensor history shows their team key active at 00:15.
9. Rosalind lacks the required professional certification – confirmed by personnel records.
- 10 The theft required a specific paint formulation only stocked in the restoration lab.

11 Zinnia's locker-room sensor shows continuous presence in a separate building.

A) Zinnia

B) Kenji

C) Sigrid

D) Sami

E) Rosalind

F) Florian

CASE 04

The sealed wills were taken from the storage basement of Helix Heritage Foundation between 02:15 and 04:45. The operation required specific qualifications and access. 6 suspects: Frida (clerk), Kerensa (intern), Alessio (security officer), Vidal (researcher), Saoirse (conservation specialist), Darya (administrator).

Q Who took the sealed wills?

1. Frida's archive badge was revoked two weeks prior; archived access list confirms.
2. Alessio lacks the required professional training – confirmed by personnel records.
3. Saoirse lacks the required professional training – confirmed by personnel records.
4. Kerensa stated they left the building at 22:00, but the DHCP server log shows their archive badge active at 02:15.
5. Vidal had the qualifications but was hospitalized during the window – third-party verified.
6. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Kerensa.
7. Saoirse was seen near the cataloging room earlier that evening, but they had left the building by 21:55 and never returned.
8. Kerensa has all three required qualifications.
9. Three independent requirements: professional training, archive badge access, and presence at the storage basement during the 02:15-04:45 window.
- 10 The theft required a specific paint formulation only stocked in the restoration lab.
- 11 Darya was at a documented training during the window – verified by witness patron.

Deduction Mysteries

CASE 05

A formula draft was swapped from the cleanroom of Coriolis Institute between 03:00 and 05:45. The operation required specific qualifications and access. 6 suspects: Polina (operations manager), Faye (graduate student), Priya (lab technician), Dario (principal investigator), Kenji (clinical coordinator), Cedric (safety officer).

Q Who swapped the formula draft?

1. The sample tampering required a specific paint formulation only stocked in the restoration lab.
2. Polina had the qualifications but was hospitalized during the window – third-party verified.
3. Cedric's equipment timestamp shows continuous presence in a separate building.
4. Dario was at a documented training during the window – verified by witness sighting.
5. Faye's freezer access log shows continuous presence in a separate building.
6. Kenji's equipment timestamp shows continuous presence in a separate building.
7. Priya has all three required qualifications.
8. Three independent requirements: professional expertise, biohazard clearance access, and presence at the cleanroom during the 03:00-05:45 window.
9. Priya stated they left the building at 22:30, but the elevator log shows their lab badge active at 03:00.
- 10 A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Priya.
- 11 Dario was seen near the cold-storage freezer earlier that evening, but they had left the

building by 21:55 and never returned. A) Kenji	B) Cedric	C) Faye	D) Dario	E) Polina	F) Priya
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CASE 06

A birth certificate was taken from the storage basement of City Records Office between 00:45 and 02:45. The operation required specific qualifications and access. 7 suspects: Xiomara (conservation specialist), Iolanthe (records administrator), Isolde (researcher), Nizar (volunteer), Quentin (security officer), Jacinta (head archivist), Akhil (administrator).

Q Who took the birth certificate?

1. The theft required a specific paint formulation only stocked in the restoration lab.
2. Three independent requirements: professional certification, vault key access, and presence at the storage basement during the 00:45-02:45 window.
3. Nizar was at a documented training during the window – verified by archive log.
4. Jacinta was at a documented hospital appointment during the window – verified by archive log.
5. Xiomara was seen near the staff break room earlier that evening, but they had left the building by 21:35 and never returned.
6. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Akhil.
7. Akhil has all three required qualifications.
8. Iolanthe lacks the required professional certification – confirmed by personnel records.
9. Xiomara lacks the required professional certification – confirmed by personnel records.
- 10 Quentin had the qualifications but family was visiting during the window – third-party verified.
- 11 Akhil stated they left the building at 23:05, but the parking-lot camera shows their research-room pass active at 00:45.

Answer Key – Deduction Mysteries

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

Case 01 B) Meriel

- ☒ Three requirements (professional training, master key, presence at the manager's office during the 01:30-03:15 window) plus a technical trace narrow this case.
 - ☒ Quincy eliminated by alibi or missing qualification.
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Case 02 E) Gunnar

- ☒ Three requirements (professional expertise, prop-room code, presence at the rehearsal hall during the 03:30-05:45 window) plus a technical trace narrow this case.
 - ☒ Suri eliminated by alibi or missing qualification.
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Case 03 F) Florian

- ☒ Three requirements (professional certification, facility badge, presence at the trophy display case during the 00:15-02:30 window) plus a technical trace narrow this case.
 - ☒ Rosalind eliminated by alibi or missing qualification.
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Case 04 E) Kerensa

- ☒ Three requirements (professional training, archive badge, presence at the storage basement during the 02:15-04:45 window) plus a technical trace narrow this case.
 - ☒ Frida eliminated by alibi or missing qualification.
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Case 05 F) Priya

- ☒ Three requirements (professional expertise, biohazard clearance, presence at the cleanroom during the 03:00-05:45 window) plus a technical trace narrow this case.
 - ☒ Polina eliminated by alibi or missing qualification.
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Case 06 undefined) Akhil

- ☒ Three requirements (professional certification, vault key, presence at the storage basement during the 00:45-02:45 window) plus a technical trace narrow this case.
- ☒ Xiomara eliminated by alibi or missing qualification.