

Deduction Mysteries

CASE 01

A sealed wine bottle was taken from the dining floor of Saint-Clair Café between 03:45 and 05:30. The operation required specific qualifications and access. 6 suspects: Etienne (head chef), Ulla (pastry chef), Anand (manager), Sora (server), Zara (sous chef), Cyrus (line cook).

Q Who took the sealed wine bottle?

1. Zara's manager key was revoked two weeks prior; archived access list confirms.
2. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Sora.
3. Three independent requirements: professional training, manager key access, and presence at the dining floor during the 03:45-05:30 window.
4. Etienne's manager key was revoked two weeks prior; archived access list confirms.
5. Sora stated they left the building at 22:10, but the badge access record shows their register code active at 03:45.
6. Cyrus was seen near the pastry station earlier that evening, but they had left the building by 21:50 and never returned.
7. The theft required a specific paint formulation only stocked in the restoration lab.
8. Sora has all three required qualifications.
9. Cyrus lacks the required professional training – confirmed by personnel records.
- 10 Anand's POS log shows continuous presence in a separate building.

11 Ulla's manager key was revoked two weeks prior; archived access list confirms.					
A) Sora	B) Anand	C) Ulla	D) Etienne	E) Zara	F) Cyrus

CASE 02

A sample vial was swapped from the PI office of Pemberton Pharmaceuticals between 02:15 and 04:15. The operation required specific qualifications and access. 7 suspects: Magnus (graduate student), Etienne (lab technician), Noor (safety officer), Ezra (postdoctoral researcher), Hakim (visiting scientist), Kasimir (undergraduate volunteer), Zinnia (clinical coordinator).

Q Who swapped the sample vial?

1. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Hakim.
2. Zinnia lacks the required professional training – confirmed by personnel records.
3. Hakim has all three required qualifications.
4. Kasimir's freezer access log shows continuous presence in a separate building.
5. Ezra's lab badge was revoked two weeks prior; archived access list confirms.
6. The sample tampering required a specific paint formulation only stocked in the restoration lab.
7. Three independent requirements: professional training, lab badge access, and presence at the PI office during the 02:15-04:15 window.
8. Noor was seen near the equipment closet earlier that evening, but they had left the building by 21:25 and never returned.
9. Noor lacks the required professional training – confirmed by personnel records.
- 10 Etienne lacks the required professional training – confirmed by personnel records.
- 11 Hakim stated they left the building at 22:15, but the badge access record shows their freezer . key active at 02:15.

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CASE 03

An ancient scroll was taken from the second-floor gallery of Whitmore Museum between 03:30 and 05:15. The operation required specific qualifications and access. 6 suspects: Elspeth (exhibition designer), Nizar (archivist), Alejandro (docent), Yvonne (security guard), Quincy (tour guide), Mira (art restorer).

Q Who took the ancient scroll?

1. Alejandro's security camera shows continuous presence in a separate building.
2. Yvonne had the qualifications but family was visiting during the window – third-party verified.
3. Nizar stated they left the building at 23:20, but the door sensor history shows their keycard active at 03:30.
4. Nizar has all three required qualifications.
5. Mira had the qualifications but was on a flight during the window – third-party verified.
6. The theft required a specific paint formulation only stocked in the restoration lab.
7. Quincy's door sensor shows continuous presence in a separate building.
8. Three independent requirements: professional certification, master key access, and presence at the second-floor gallery during the 03:30-05:15 window.
9. Mira was seen near the climate-controlled vault earlier that evening, but they had left the building by 20:10 and never returned.
- 10 A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Nizar.

11 Elspeth lacks the required professional certification – confirmed by personnel records.
A) Mira B) Nizar C) Alejandro D) Elspeth E) Quincy F) Yvonne

CASE 04

A wine collection inventory was taken from the prep kitchen of Northgate Grill between 02:30 and 04:30. The operation required specific qualifications and access. 6 suspects: Amelia (bartender), Tomas (host), Leila (server), Darya (pastry chef), Enzo (line cook), Aaliyah (sommelier).

Q Who took the wine collection inventory?

1. Three independent requirements: professional certification, master key access, and presence at the prep kitchen during the 02:30-04:30 window.
2. Amelia had the qualifications but family was visiting during the window – third-party verified.
3. Darya's master key was revoked two weeks prior; archived access list confirms.
4. Leila's master key was revoked two weeks prior; archived access list confirms.
5. Tomas's master key was revoked two weeks prior; archived access list confirms.
6. Aaliyah lacks the required professional certification – confirmed by personnel records.
7. Darya was seen near the dining floor earlier that evening, but they had left the building by 20:10 and never returned.
8. Enzo has all three required qualifications.
9. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Enzo.
- 10 The theft required a stamped seal serial number from a controlled supply closet.
- 11 Enzo stated they left the building at 23:40, but the parking-lot camera shows their manager key active at 02:30.

Deduction Mysteries

CASE 05

A birth certificate was taken from the research area of Saint-Clair Historical Society between 03:00 and 05:45. The operation required specific qualifications and access. 6 suspects: Maeve (volunteer), Ravi (administrator), Aaliyah (genealogist), Omari (clerk), Joren (conservation specialist), Arjun (records administrator).

Q Who took the birth certificate?

1. Arjun's vault entry record shows continuous presence in a separate building.
2. Maeve was at a documented training during the window – verified by witness patron.
3. Three independent requirements: professional expertise, research-room pass access, and presence at the research area during the 03:00-05:45 window.
4. Omari's research-room pass was revoked two weeks prior; archived access list confirms.
5. Ravi stated they left the building at 23:20, but the DHCP server log shows their research-room pass active at 03:00.
6. Aaliyah had the qualifications but was hospitalized during the window – third-party verified.
7. Ravi has all three required qualifications.
8. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Ravi.
9. Joren had the qualifications but family was visiting during the window – third-party verified.
10. Arjun was seen near the conservation room earlier that evening, but they had left the building . by 21:30 and never returned.

11 The theft required a stamped seal serial number from a controlled supply closet.					
A) Maeve	B) Joren	C) Aaliyah	D) Arjun	E) Omari	F) Ravi

CASE 06

A specialized welding kit was taken from the employee locker area of Brightline Industrial between 01:00 and 03:15. The operation required specific qualifications and access. 7 suspects: Faye (quality inspector), Xiomara (welder), Akhil (electrician), Zoltan (customer service rep), Ilya (machinist), Amari (painter), Bao (master mechanic).

Q Who took the specialized welding kit?

1. Ilya's shop key was revoked two weeks prior; archived access list confirms.
2. Faye had the qualifications but was on a flight during the window – third-party verified.
3. Xiomara has all three required qualifications.
4. Three independent requirements: professional expertise, shop key access, and presence at the employee locker area during the 01:00-03:15 window.
5. The theft required a unique encryption signature traceable to internal-only training.
6. Zoltan's witness coworker shows continuous presence in a separate building.
7. Bao lacks the required professional expertise – confirmed by personnel records.
8. Akhil was seen near the tool crib earlier that evening, but they had left the building by 20:55 and never returned.
9. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Xiomara.
10. Akhil had the qualifications but family was visiting during the window – third-party verified.
11. Amari's shop key was revoked two weeks prior; archived access list confirms.
12. Xiomara stated they left the building at 22:05, but the elevator log shows their tool-crib key . active at 01:00.

Answer Key – Deduction Mysteries

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

Case 01 A) Sora

- ☒ Three requirements (professional training, manager key, presence at the dining floor during the 03:45-05:30 window) plus a technical trace narrow this case.
 - ☒ Etienne eliminated by alibi or missing qualification.
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Case 02 B) Hakim

- ☒ Three requirements (professional training, lab badge, presence at the PI office during the 02:15-04:15 window) plus a technical trace narrow this case.
 - ☒ Magnus eliminated by alibi or missing qualification.
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Case 03 B) Nizar

- ☒ Three requirements (professional certification, master key, presence at the second-floor gallery during the 03:30-05:15 window) plus a technical trace narrow this case.
 - ☒ Elspeth eliminated by alibi or missing qualification.
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Case 04 C) Enzo

- ☒ Three requirements (professional certification, master key, presence at the prep kitchen during the 02:30-04:30 window) plus a technical trace narrow this case.
 - ☒ Amelia eliminated by alibi or missing qualification.
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Case 05 F) Ravi

- ☒ Three requirements (professional expertise, research-room pass, presence at the research area during the 03:00-05:45 window) plus a technical trace narrow this case.
 - ☒ Maeve eliminated by alibi or missing qualification.
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Case 06 F) Xiomara

- ☒ Three requirements (professional expertise, shop key, presence at the employee locker area during the 01:00-03:15 window) plus a technical trace narrow this case.
- ☒ Faye eliminated by alibi or missing qualification.