

Deduction Mysteries

CASE 01

The tip jar contents were taken from the staff break room of Helix Kitchen between 00:30 and 02:45. The operation required specific qualifications and access. 6 suspects: Bao (pastry chef), Iolanthe (head chef), Odell (bartender), Yusuf (sous chef), Gisela (dishwasher), Aleksandr (sommelier).

Q Who took the tip jar contents?

1. Yusuf has all three required qualifications.
2. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Yusuf.
3. The theft required a stamped seal serial number from a controlled supply closet.
4. Aleksandr was seen near the pastry station earlier that evening, but they had left the building by 20:50 and never returned.
5. Aleksandr lacks the required professional certification – confirmed by personnel records.
6. Odell lacks the required professional certification – confirmed by personnel records.
7. Gisela's kitchen camera shows continuous presence in a separate building.
8. Bao lacks the required professional certification – confirmed by personnel records.
9. Three independent requirements: professional certification, cellar key access, and presence at the staff break room during the 00:30-02:45 window.
- 10 Yusuf stated they left the building at 23:30, but the network authentication record shows their cellar key active at 00:30.

11 Iolanthe lacks the required professional certification – confirmed by personnel records.			
A) Bao	B) Yusuf	C) Aleksandr	D) Gisela
E) Odell	F) Iolanthe		

CASE 02

A formula draft was swapped from the cleanroom of Aldermarsh Laboratory between 02:45 and 04:00. The operation required specific qualifications and access. 6 suspects: Diallo (safety officer), Lior (graduate student), Kenji (equipment manager), Tomas (undergraduate volunteer), Pavel (operations manager), Yusuf (lab technician).

Q Who swapped the formula draft?

1. Kenji had the qualifications but was hospitalized during the window – third-party verified.
2. Three independent requirements: professional certification, lab badge access, and presence at the cleanroom during the 02:45-04:00 window.
3. Yusuf was at a documented hospital appointment during the window – verified by sample log.
4. Tomas's lab badge was revoked two weeks prior; archived access list confirms.
5. Diallo stated they left the building at 23:05, but the elevator log shows their clean-room access active at 02:45.
6. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Diallo.
7. Diallo has all three required qualifications.
8. Pavel was at a documented training during the window – verified by badge swipe.
9. Kenji was seen near the centrifuge bay earlier that evening, but they had left the building by 20:15 and never returned.
- 10 The sample tampering required a specific paint formulation only stocked in the restoration lab.
- 11 Lior had the qualifications but was hospitalized during the window – third-party verified.

Deduction Mysteries

CASE 03

A sealed parts shipment was taken from the parts storage of Saint-Clair Machining between 03:45 and 05:45. The operation required specific qualifications and access. 6 suspects: Dario (electrician), Oren (customer service rep), Alejandro (welder), Ulla (quality inspector), Idris (master mechanic), Xanthe (apprentice).

Q Who took the sealed parts shipment?

1. Three independent requirements: professional expertise, manager key access, and presence at the parts storage during the 03:45-05:45 window.
2. Dario was seen near the manager's office earlier that evening, but they had left the building by 21:25 and never returned.
3. Xanthe stated they left the building at 22:10, but the badge access record shows their parts-room code active at 03:45.
4. The theft required a custom-machined tool stocked only in equipment closet B.
5. Dario was at a documented conference during the window – verified by time-clock log.
6. Oren had the qualifications but was hospitalized during the window – third-party verified.
7. Xanthe has all three required qualifications.
8. Idris lacks the required professional expertise – confirmed by personnel records.
9. Ulla's parts-room audit shows continuous presence in a separate building.
- 10 Alejandro's manager key was revoked two weeks prior; archived access list confirms.
- 11 A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches

. inventory accessible only to Xanthe.

A) Xanthe	B) Oren	C) Ulla	D) Dario	E) Idris	F) Alejandro
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CASE 04

A donor list was taken from the reference desk of Saint-Clair Collection between 02:45 and 04:15. The operation required specific qualifications and access. 6 suspects: Priya (head librarian), Damaris (archivist), Suri (rare-books curator), Dario (intern), Helena (visiting scholar), Ramona (reference librarian).

Q Who took the donor list?

1. Ramona had the qualifications but was hospitalized during the window – third-party verified.
2. Helena stated they left the building at 22:15, but the parking-lot camera shows their staff key active at 02:45.
3. Three independent requirements: professional expertise, reading-room pass access, and presence at the reference desk during the 02:45-04:15 window.
4. Helena has all three required qualifications.
5. Priya was seen near the curator office earlier that evening, but they had left the building by 21:20 and never returned.
6. Dario's book-checkout record shows continuous presence in a separate building.
7. Suri's reading-room pass was revoked two weeks prior; archived access list confirms.
8. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Helena.
9. Damaris's reading-room pass was revoked two weeks prior; archived access list confirms.
- 10 The theft required a custom-machined tool stocked only in equipment closet B.
- 11 Priya's book-checkout record shows continuous presence in a separate building.

Deduction Mysteries

CASE 05

The tax records were taken from the research area of Helix Heritage Foundation between 00:45 and 02:15. The operation required specific qualifications and access. 7 suspects: Daphne (clerk), Indira (records administrator), Marisol (security officer), Kai (administrator), Hasan (volunteer), Tomas (intern), Kasimir (head archivist).

Q Who took the tax records?

1. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Daphne.
2. Hasan was at a documented training during the window – verified by camera footage.
3. Tomas's admin code was revoked two weeks prior; archived access list confirms.
4. Marisol's vault entry record shows continuous presence in a separate building.
5. Daphne stated they left the building at 23:55, but the door sensor history shows their research-room pass active at 00:45.
6. Daphne has all three required qualifications.
7. Kai's admin code was revoked two weeks prior; archived access list confirms.
8. Indira was at a documented training during the window – verified by badge swipe.
9. Kasimir's admin code was revoked two weeks prior; archived access list confirms.
- 10 Three independent requirements: professional expertise, admin code access, and presence at the . research area during the 00:45-02:15 window.
- 11 The theft required a stamped seal serial number from a controlled supply closet.
- 12 Kasimir was seen near the conservation room earlier that evening, but they had left the . building by 20:50 and never returned.

CASE 06

The patient records were taken from the pharmacy of Saint-Clair Hospital between 03:45 and 05:00. The operation required specific qualifications and access. 6 suspects: Oren (medical resident), Diallo (administrator), Sora (social worker), Odell (janitor), Fenella (pharmacist), Alejandro (attending physician).

Q Who took the patient records?

1. Oren's witness staff shows continuous presence in a separate building.
2. Three independent requirements: professional certification, pharmacy key access, and presence at the pharmacy during the 03:45-05:00 window.
3. Fenella was seen near the blood bank earlier that evening, but they had left the building by 20:15 and never returned.
4. Fenella's pharmacy key was revoked two weeks prior; archived access list confirms.
5. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Sora.
6. Diallo was at a documented training during the window – verified by badge log.
7. Odell's pharmacy key was revoked two weeks prior; archived access list confirms.
8. Alejandro's medication audit shows continuous presence in a separate building.
9. Sora stated they left the building at 22:55, but the elevator log shows their hospital badge active at 03:45.
- 10 The theft required a stamped seal serial number from a controlled supply closet.
- 11 Sora has all three required qualifications.

Answer Key – Deduction Mysteries

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

Case 01 B) Yusuf

- ☒ Three requirements (professional certification, cellar key, presence at the staff break room during the 00:30-02:45 window) plus a technical trace narrow this case.
 - ☒ Bao eliminated by alibi or missing qualification.
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Case 02 C) Diallo

- ☒ Three requirements (professional certification, lab badge, presence at the cleanroom during the 02:45-04:00 window) plus a technical trace narrow this case.
 - ☒ Lior eliminated by alibi or missing qualification.
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Case 03 A) Xanthe

- ☒ Three requirements (professional expertise, manager key, presence at the parts storage during the 03:45-05:45 window) plus a technical trace narrow this case.
 - ☒ Dario eliminated by alibi or missing qualification.
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Case 04 B) Helena

- ☒ Three requirements (professional expertise, reading-room pass, presence at the reference desk during the 02:45-04:15 window) plus a technical trace narrow this case.
 - ☒ Priya eliminated by alibi or missing qualification.
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Case 05 F) Daphne

- ☒ Three requirements (professional expertise, admin code, presence at the research area during the 00:45-02:15 window) plus a technical trace narrow this case.
 - ☒ Indira eliminated by alibi or missing qualification.
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Case 06 F) Sora

- ☒ Three requirements (professional certification, pharmacy key, presence at the pharmacy during the 03:45-05:00 window) plus a technical trace narrow this case.
 - ☒ Oren eliminated by alibi or missing qualification.
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