

Deduction Mysteries

CASE 01

The tip jar contents were taken from the outdoor patio of The Briar Room between 02:15 and 04:00. The operation required specific qualifications and access. 7 suspects: Hiroshi (head chef), Dimitri (dishwasher), Frida (manager), Cedric (sommelier), Simeon (host), Jian (bartender), Caelan (pastry chef).

Q Who took the tip jar contents?

1. Frida was seen near the outdoor patio earlier that evening, but they had left the building by 20:00 and never returned.
2. Dimitri was at a documented training during the window – verified by front-of-house camera.
3. Jian had the qualifications but was on a flight during the window – third-party verified.
4. Frida's reservation system shows continuous presence in a separate building.
5. Simeon's master key was revoked two weeks prior; archived access list confirms.
6. Cedric has all three required qualifications.
7. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Cedric.
8. The theft required a custom-machined tool stocked only in equipment closet B.
9. Three independent requirements: professional certification, master key access, and presence at the outdoor patio during the 02:15-04:00 window.
- 10 Caelan's kitchen camera shows continuous presence in a separate building.
- 11 Cedric stated they left the building at 23:25, but the door sensor history shows their manager . key active at 02:15.
- 12 Hiroshi had the qualifications but was hospitalized during the window – third-party verified.

CASE 02

A calibration gauge was taken from the tool crib of Helix Restoration between 03:00 and 05:30. The operation required specific qualifications and access. 6 suspects: Katarina (quality inspector), Kiran (parts clerk), Suri (welder), Aiko (painter), Zoltan (apprentice), Ula (shop manager).

Q Who took the calibration gauge?

1. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Zoltan.
2. Three independent requirements: professional expertise, tool-crib key access, and presence at the tool crib during the 03:00-05:30 window.
3. Kiran had the qualifications but was on a flight during the window – third-party verified.
4. Katarina was seen near the tool crib earlier that evening, but they had left the building by 21:20 and never returned.
5. Suri was at a documented training during the window – verified by shop camera.
6. Aiko lacks the required professional expertise – confirmed by personnel records.
7. Zoltan stated they left the building at 22:25, but the badge access record shows their shop key active at 03:00.
8. Zoltan has all three required qualifications.
9. The theft required a unique encryption signature traceable to internal-only training.
- 10 Katarina's tool-crib key was revoked two weeks prior; archived access list confirms.
- 11 Ula had the qualifications but was hospitalized during the window – third-party verified.

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CASE 03

A rare ingredient was taken from the staff break room of Saint-Clair Café between 02:30 and 04:15. The operation required specific qualifications and access. 6 suspects: Faye (bartender), Xiomara (line cook), Alejandro (server), Gunnar (dishwasher), Idris (head chef), Lucia (pastry chef).

Q Who took the rare ingredient?

1. Idris was at a documented hospital appointment during the window – verified by witness server.
2. Lucia's time-clock record shows continuous presence in a separate building.
3. Alejandro was at a documented conference during the window – verified by time-clock record.
4. Gunnar has all three required qualifications.
5. The theft required a unique encryption signature traceable to internal-only training.
6. Faye lacks the required professional expertise – confirmed by personnel records.
7. Three independent requirements: professional expertise, master key access, and presence at the staff break room during the 02:30-04:15 window.
8. Faye was seen near the dining floor 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 Gunnar.
- 10 Gunnar stated they left the building at 23:40, but the DHCP server log shows their register . code active at 02:30.
- 11 Xiomara had the qualifications but family was visiting during the window – third-party . verified.

CASE 04

The master plans were taken from the employee locker area of Pemberton Repair between 03:45 and 05:30. The operation required specific qualifications and access. 6 suspects: Ramona (quality inspector), Mauro (machinist), Cyrus (customer service rep), Oren (welder), Penelope (apprentice), Zephyr (electrician).

Q Who took the master plans?

1. The theft required a unique encryption signature traceable to internal-only training.
2. Three independent requirements: professional training, parts-room code access, and presence at the employee locker area during the 03:45-05:30 window.
3. Ramona stated they left the building at 22:40, but the network authentication record shows their shop key active at 03:45.
4. Ramona has all three required qualifications.
5. Mauro had the qualifications but family was visiting during the window – third-party verified.
6. Oren's door sensor shows continuous presence in a separate building.
7. Penelope had the qualifications but family was visiting during the window – third-party verified.
8. Zephyr was at a documented hospital appointment during the window – verified by parts-room audit.
9. Cyrus had the qualifications but family was visiting during the window – third-party verified.
- 10 A trace at the scene – a unique encryption signature traceable to internal-only training – . matches inventory accessible only to Ramona.
- 11 Oren was seen near the paint booth earlier that evening, but they had left the building by . 20:40 and never returned.

Deduction Mysteries

CASE 05

A sample vial was swapped from the centrifuge bay of Helix Bioresearch between 01:45 and 03:00. The operation required specific qualifications and access. 7 suspects: Aaliyah (clinical coordinator), Suri (principal investigator), Joren (graduate student), Zara (operations manager), Odell (visiting scientist), Mateo (postdoctoral researcher), Iolanthe (equipment manager).

Q Who swapped the sample vial?

1. The sample tampering required a stamped seal serial number from a controlled supply closet.
2. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Suri.
3. Suri has all three required qualifications.
4. Mateo's witness sighting shows continuous presence in a separate building.
5. Joren lacks the required professional training – confirmed by personnel records.
6. Zara had the qualifications but was hospitalized during the window – third-party verified.
7. Iolanthe's badge swipe shows continuous presence in a separate building.
8. Zara was seen near the prep bench earlier that evening, but they had left the building by 20:20 and never returned.
9. Odell's clean-room access was revoked two weeks prior; archived access list confirms.
- 10 Suri stated they left the building at 22:20, but the badge access record shows their lab badge . active at 01:45.
- 11 Three independent requirements: professional training, clean-room access access, and presence . at the centrifuge bay during the 01:45-03:00 window.

CASE 06

An oil painting was taken from the archive room of Pemberton Wing between 02:30 and 04:30. The operation required specific qualifications and access. 7 suspects: Eleni (security guard), Caelan (night security), Eira (tour guide), Dario (gift shop manager), Idris (docent), Ronan (archivist), Beatrix (exhibition designer).

Q Who took the oil painting?

1. Eira's master key was revoked two weeks prior; archived access list confirms.
2. Ronan lacks the required professional expertise – confirmed by personnel records.
3. Idris stated they left the building at 22:10, but the network authentication record shows their master key active at 02:30.
4. Idris has all three required qualifications.
5. Beatrix lacks the required professional expertise – confirmed by personnel records.
6. Eleni's badge swipe log shows continuous presence in a separate building.
7. Caelan's master key was revoked two weeks prior; archived access list confirms.
8. The theft required a stamped seal serial number from a controlled supply closet.
9. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Idris.
- 10 Dario was at a documented training during the window – verified by badge swipe log.
- 11 Three independent requirements: professional expertise, master key access, and presence at the . archive room during the 02:30-04:30 window.
- 12 Dario was seen near the storage basement earlier that evening, but they had left the building . by 21:00 and never returned.

Answer Key – Deduction Mysteries

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

Case 01 F) Cedric

- ☒ Three requirements (professional certification, master key, presence at the outdoor patio during the 02:15-04:00 window) plus a technical trace narrow this case.
 - ☒ Hiroshi eliminated by alibi or missing qualification.
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Case 02 E) Zoltan

- ☒ Three requirements (professional expertise, tool-crib key, presence at the tool crib during the 03:00-05:30 window) plus a technical trace narrow this case.
 - ☒ Katarina eliminated by alibi or missing qualification.
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Case 03 D) Gunnar

- ☒ Three requirements (professional expertise, master key, presence at the staff break room during the 02:30-04:15 window) plus a technical trace narrow this case.
 - ☒ Faye eliminated by alibi or missing qualification.
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Case 04 B) Ramona

- ☒ Three requirements (professional training, parts-room code, presence at the employee locker area during the 03:45-05:30 window) plus a technical trace narrow this case.
 - ☒ Mauro eliminated by alibi or missing qualification.
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Case 05 D) Suri

- ☒ Three requirements (professional training, clean-room access, presence at the centrifuge bay during the 01:45-03:00 window) plus a technical trace narrow this case.
 - ☒ Aaliyah eliminated by alibi or missing qualification.
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Case 06 A) Idris

- ☒ Three requirements (professional expertise, master key, presence at the archive room during the 02:30-04:30 window) plus a technical trace narrow this case.
- ☒ Eleni eliminated by alibi or missing qualification.