

Deduction Mysteries

CASE 01

A wine collection inventory was taken from the staff break room of Pemberton Tavern between 02:00 and 04:15. The operation required specific qualifications and access. 7 suspects: Leila (pastry chef), Ines (bartender), Mikael (sommelier), Gisela (sous chef), Hadley (host), Ezra (dishwasher), Zoltan (head chef).

Q Who took the wine collection inventory?

1. Leila lacks the required professional expertise – confirmed by personnel records.
2. Zoltan lacks the required professional expertise – confirmed by personnel records.
3. Hadley stated they left the building at 22:25, but the door sensor history shows their cellar key active at 02:00.
4. Mikael was at a documented training during the window – verified by time-clock record.
5. Ines was at a documented conference during the window – verified by witness server.
6. The theft required a stamped seal serial number from a controlled supply closet.
7. Gisela was at a documented training during the window – verified by time-clock record.
8. Ezra's cellar key was revoked two weeks prior; archived access list confirms.
9. Three independent requirements: professional expertise, cellar key access, and presence at the staff breakroom during the 02:00-04:15 window.
- 10 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches . inventory accessible only to Hadley.
- 11 Hadley has all three required qualifications.
- 12 Ines was seen near the prep kitchen earlier that evening, but they had left the building by . 21:20 and never returned.

CASE 02

A prototype compound was swapped from the centrifuge bay of Solstice Research between 01:45 and 03:00. The operation required specific qualifications and access. 7 suspects: Joren (operations manager), Kalisa (graduate student), Juno (equipment manager), Mauro (safety officer), Anastasia (principal investigator), Darya (lab technician), Finnegan (visiting scientist).

Q Who swapped the prototype compound?

1. Finnegan lacks the required professional expertise – confirmed by personnel records.
2. Mauro had the qualifications but family was visiting during the window – third-party verified.
3. Anastasia had the qualifications but was hospitalized during the window – third-party verified.
4. Kalisa's lab badge was revoked two weeks prior; archived access list confirms.
5. The sample tampering required a unique encryption signature traceable to internal-only training.
6. Three independent requirements: professional expertise, lab badge access, and presence at the centrifuge bay during the 01:45-03:00 window.
7. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Joren.
8. Joren stated they left the building at 22:55, but the parking-lot camera shows their freezer key active at 01:45.
9. Darya lacks the required professional expertise – confirmed by personnel records.
- 10 Juno's badge swipe shows continuous presence in a separate building.
- 11 Joren has all three required qualifications.

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CASE 03

The locker contents were taken from the main court of Aldermarsh Arena between 01:45 and 03:30. The operation required specific qualifications and access. 7 suspects: Etienne (team captain), Ginevra (star player), Cedric (head coach), Priya (referee), Ezra (athletic trainer), Ishaan (rookie player), Leander (assistant coach).

Q Who took the locker contents?

1. The theft required a custom-machined tool stocked only in equipment closet B.
2. Ishaan had the qualifications but was hospitalized during the window – third-party verified.
3. Ginevra stated they left the building at 23:55, but the network authentication record shows their equipment-room key active at 01:45.
4. Priya lacks the required professional training – confirmed by personnel records.
5. Three independent requirements: professional training, team key access, and presence at the main court during the 01:45-03:30 window.
6. Etienne lacks the required professional training – confirmed by personnel records.
7. Ezra's team key 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 Ginevra.
9. Cedric's equipment sign-out shows continuous presence in a separate building.
- 10 Leander's team key was revoked two weeks prior; archived access list confirms.
- 11 Etienne was seen near the coach's office earlier that evening, but they had left the building by 20:50 and never returned.
- 12 Ginevra has all three required qualifications.

CASE 04

A client contract data was extracted from the executive suite of Velocity Networks between 01:15 and 03:15. The operation required specific qualifications and access. 6 suspects: Zephyr (intern), Dario (senior engineer), Leander (DevOps lead), Bao (site-reliability engineer), Penelope (product manager), Wilder (contractor).

Q Who extracted the client contract data?

1. Bao was at a documented conference during the window – verified by CCTV camera.
2. Three independent requirements: professional certification, VPN credentials access, and presence at the executive suite during the 01:15-03:15 window.
3. The data theft required a digital certificate issued only to senior staff.
4. Wilder stated they left the building at 22:20, but the parking-lot camera shows their SSH key active at 01:15.
5. Penelope was at a documented hospital appointment during the window – verified by CCTV camera.
6. Dario lacks the required professional certification – confirmed by personnel records.
7. Zephyr was at a documented conference during the window – verified by VPN session log.
8. Leander's VPN credentials was revoked two weeks prior; archived access list confirms.
9. Leander was seen near the war room earlier that evening, but they had left the building by 21:30 and never returned.
- 10 Wilder has all three required qualifications.
- 11 A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Wilder.

Deduction Mysteries

CASE 05

A medical equipment was taken from the imaging room of Northgate Memorial between 00:30 and 02:15. The operation required specific qualifications and access. 6 suspects: Elspeth (volunteer), Yara (attending physician), Roksana (social worker), Etienne (technician), Ulla (head nurse), Eira (pharmacist).

Q Who took the medical equipment?

1. Roksana stated they left the building at 22:15, but the badge access record shows their restricted-wing access active at 00:30.
2. Three independent requirements: professional expertise, restricted-wing access access, and presence at the imaging room during the 00:30-02:15 window.
3. Elspeth was at a documented hospital appointment during the window – verified by medication audit.
4. Roksana has all three required qualifications.
5. Etienne was seen near the administrator office earlier that evening, but they had left the building by 21:15 and never returned.
6. Etienne lacks the required professional expertise – confirmed by personnel records.
7. Ulla's pharmacy CCTV shows continuous presence in a separate building.
8. Yara had the qualifications but was on a flight during the window – third-party verified.
9. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Roksana.
- 10 The theft required a digital certificate issued only to senior staff.
- 11 Eira had the qualifications but family was visiting during the window – third-party verified.

CASE 06

The sealed wills were taken from the registration desk of City Records Office between 03:00 and 05:30. The operation required specific qualifications and access. 7 suspects: Esme (clerk), Noor (head archivist), Yvonne (administrator), Bram (genealogist), Lior (conservation specialist), Diallo (intern), Jian (security officer).

Q Who took the sealed wills?

1. Bram was seen near the conservation room earlier that evening, but they had left the building by 20:45 and never returned.
2. Diallo has all three required qualifications.
3. Bram had the qualifications but family was visiting during the window – third-party verified.
4. Yvonne had the qualifications but was hospitalized during the window – third-party verified.
5. Noor's archive badge was revoked two weeks prior; archived access list confirms.
6. Diallo stated they left the building at 22:20, but the badge access record shows their research-room pass active at 03:00.
7. Esme's archive badge was revoked two weeks prior; archived access list confirms.
8. Jian's vault entry record shows continuous presence in a separate building.
9. The theft required a digital certificate issued only to senior staff.
- 10 A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Diallo.
- 11 Lior was at a documented training during the window – verified by badge swipe.
- 12 Three independent requirements: professional expertise, archive badge access, and presence at the registration desk during the 03:00-05:30 window.

Answer Key – Deduction Mysteries

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

Case 01 D) Hadley

- ☒ Three requirements (professional expertise, cellar key, presence at the staff break room during the 02:00-04:15 window) plus a technical trace narrow this case.
 - ☒ Leila eliminated by alibi or missing qualification.
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Case 02 E) Joren

- ☒ Three requirements (professional expertise, lab badge, presence at the centrifuge bay during the 01:45-03:00 window) plus a technical trace narrow this case.
 - ☒ Kalisa eliminated by alibi or missing qualification.
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Case 03 E) Ginevra

- ☒ Three requirements (professional training, team key, presence at the main court during the 01:45-03:30 window) plus a technical trace narrow this case.
 - ☒ Etienne eliminated by alibi or missing qualification.
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Case 04 B) Wilder

- ☒ Three requirements (professional certification, VPN credentials, presence at the executive suite during the 01:15-03:15 window) plus a technical trace narrow this case.
 - ☒ Zephyr eliminated by alibi or missing qualification.
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Case 05 A) Roksana

- ☒ Three requirements (professional expertise, restricted-wing access, presence at the imaging room during the 00:30-02:15 window) plus a technical trace narrow this case.
 - ☒ Elspeth eliminated by alibi or missing qualification.
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Case 06 D) Diallo

- ☒ Three requirements (professional expertise, archive badge, presence at the registration desk during the 03:00-05:30 window) plus a technical trace narrow this case.
 - ☒ Esme eliminated by alibi or missing qualification.
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