

Deduction Mysteries

CASE 01

The admin credentials were extracted from the data archive of Helix Tech between 03:15 and 05:00. The operation required specific qualifications and access. 6 suspects: Kenji (product manager), Ilya (contractor), Ronan (intern), Stellan (DevOps lead), Vidal (security analyst), Eitan (support lead).

Q Who extracted the admin credentials?

1. Stellan was at a documented hospital appointment during the window – verified by VPN session log.
2. Ilya's SSH authentication log shows continuous presence in a separate building.
3. Kenji was seen near the SOC operations center earlier that evening, but they had left the building by 20:55 and never returned.
4. Eitan was at a documented training during the window – verified by badge swipe.
5. Kenji was at a documented hospital appointment during the window – verified by witness colleague.
6. Vidal has all three required qualifications.
7. Three independent requirements: professional training, badge access, and presence at the data archive during the 03:15–05:00 window.
8. Ronan was at a documented hospital appointment during the window – verified by witness colleague.
9. The data theft required a specific paint formulation only stocked in the restoration lab.
- 10 A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Vidal.
- 11 Vidal stated they left the building at 22:50, but the network authentication record shows their MFA device active at 03:15.

CASE 02

An exam answer key was taken from the records office of Northgate Academy between 00:30 and 02:30. The operation required specific qualifications and access. 7 suspects: Mikael (coach), Vera (teacher), Damaris (secretary), Ronan (school counselor), Yara (substitute teacher), Amelia (librarian), Daphne (janitor).

Q Who took the exam answer key?

1. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Vera.
2. Amelia had the qualifications but was on a flight during the window – third-party verified.
3. Vera has all three required qualifications.
4. Damaris lacks the required professional certification – confirmed by personnel records.
5. Daphne was at a documented training during the window – verified by keycard log.
6. Daphne was seen near the sports equipment room earlier that evening, but they had left the building by 21:05 and never returned.
7. Mikael was at a documented training during the window – verified by printer log.
8. Yara had the qualifications but family was visiting during the window – third-party verified.
9. Vera stated they left the building at 23:10, but the DHCP server log shows their combination active at 00:30.
- 10 Ronan had the qualifications but was on a flight during the window – third-party verified.
- 11 The theft required a specific paint formulation only stocked in the restoration lab.
- 12 Three independent requirements: professional certification, keypad code access, and presence at the records office during the 00:30–02:30 window.

Deduction Mysteries

CASE 03

A signed agreement was taken from the document destruction room of Velocity Labs between 03:45 and 05:30. The operation required specific qualifications and access. 7 suspects: Tatum (legal counsel), Elspeth (facilities coordinator), Leander (security officer), Faye (intern), Anand (records clerk), Zara (senior engineer), Suri (executive assistant).

Q Who took the signed agreement?

1. Elspeth's admin credentials was revoked two weeks prior; archived access list confirms.
2. Suri's admin credentials was revoked two weeks prior; archived access list confirms.
3. Tatum was at a documented training during the window – verified by VPN session log.
4. Leander's admin credentials was revoked two weeks prior; archived access list confirms.
5. Zara has all three required qualifications.
6. Zara stated they left the building at 23:00, but the parking-lot camera shows their VPN access active at 03:45.
7. Three independent requirements: professional training, admin credentials access, and presence at the document destruction room during the 03:45-05:30 window.
8. Anand was at a documented hospital appointment during the window – verified by elevator log.
9. Tatum was seen near the data center earlier that evening, but they had left the building by 20:10 and never returned.
- 10 The corporate theft required a unique encryption signature traceable to internal-only training.
- 11 Faye had the qualifications but family was visiting during the window – third-party verified.
- 12 A trace at the scene – a unique encryption signature traceable to internal-only training – . matches inventory accessible only to Zara.

CASE 04

A special collection key was taken from the curator office of Aldermarsh Library between 00:30 and 02:00. The operation required specific qualifications and access. 7 suspects: Cedric (cataloger), Simeon (volunteer), Isolde (intern), Hattie (reference librarian), Enzo (archivist), Tatum (head librarian), Ines (rare-books curator).

Q Who took the special collection key?

1. Three independent requirements: professional training, staff key access, and presence at the curator office during the 00:30-02:00 window.
2. Cedric was seen near the reference desk earlier that evening, but they had left the building by 21:00 and never returned.
3. Ines's archive log shows continuous presence in a separate building.
4. Hattie stated they left the building at 22:20, but the DHCP server log shows their reading-room pass active at 00:30.
5. Enzo lacks the required professional training – confirmed by personnel records.
6. Tatum lacks the required professional training – confirmed by personnel records.
7. Simeon had the qualifications but family was visiting during the window – third-party verified.
8. Isolde's staff key was revoked two weeks prior; archived access list confirms.
9. The theft required a specific paint formulation only stocked in the restoration lab.
- 10 Cedric was at a documented conference during the window – verified by security camera.
- 11 Hattie has all three required qualifications.
- 12 A trace at the scene – a specific paint formulation only stocked in the restoration lab – . matches inventory accessible only to Hattie.

Deduction Mysteries

CASE 05

A formula draft was swapped from the equipment closet of Helix Bioresearch between 02:45 and 04:30. The operation required specific qualifications and access. 7 suspects: Eleni (clinical coordinator), Iolanthe (operations manager), Amelia (graduate student), Priya (principal investigator), Cedric (undergraduate volunteer), Tatum (postdoctoral researcher), Daphne (lab technician).

Q Who swapped the formula draft?

1. The sample tampering required a digital certificate issued only to senior staff.
2. Cedric stated they left the building at 22:15, but the badge access record shows their lab badge active at 02:45.
3. Amelia's clean-room access was revoked two weeks prior; archived access list confirms.
4. Iolanthe's clean-room access was revoked two weeks prior; archived access list confirms.
5. Cedric has all three required qualifications.
6. Iolanthe was seen near the sample storage earlier that evening, but they had left the building by 20:30 and never returned.
7. Priya was at a documented conference during the window – verified by sample log.
8. Tatum had the qualifications but was on a flight during the window – third-party verified.
9. Daphne was at a documented training during the window – verified by witness sighting.
- 10 A trace at the scene – a digital certificate issued only to senior staff – matches inventory . accessible only to Cedric.
- 11 Three independent requirements: professional expertise, clean-room access access, and presence . at the equipment closet during the 02:45-04:30 window.

CASE 06

A wine collection inventory was taken from the front register of Octavia's between 00:30 and 02:30. The operation required specific qualifications and access. 7 suspects: Joren (server), Xanthe (bartender), Quincy (sommelier), Leander (pastry chef), Saoirse (sous chef), Amelia (host), Mateo (head chef).

Q Who took the wine collection inventory?

1. Leander 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 Leander.
3. Mateo lacks the required professional training – confirmed by personnel records.
4. Xanthe had the qualifications but was hospitalized during the window – third-party verified.
5. The theft required a stamped seal serial number from a controlled supply closet.
6. Amelia's front-of-house camera shows continuous presence in a separate building.
7. Joren had the qualifications but was hospitalized during the window – third-party verified.
8. Quincy had the qualifications but family was visiting during the window – third-party verified.
9. Three independent requirements: professional training, cellar key access, and presence at the front register during the 00:30-02:30 window.
- 10 Saoirse was at a documented conference during the window – verified by reservation system.
- 11 Leander stated they left the building at 22:05, but the elevator log shows their manager key . active at 00:30.
- 12 Amelia was seen near the manager's office earlier that evening, but they had left the building . by 20:25 and never returned.

Answer Key – Deduction Mysteries

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

Case 01 A) Vidal

- ☒ Three requirements (professional training, badge, presence at the data archive during the 03:15-05:00 window) plus a technical trace narrow this case.
 - ☒ Kenji eliminated by alibi or missing qualification.
-

Case 02 E) Vera

- ☒ Three requirements (professional certification, keypad code, presence at the records office during the 00:30-02:30 window) plus a technical trace narrow this case.
 - ☒ Mikael eliminated by alibi or missing qualification.
-

Case 03 B) Zara

- ☒ Three requirements (professional training, admin credentials, presence at the document destruction room during the 03:45-05:30 window) plus a technical trace narrow this case.
 - ☒ Tatum eliminated by alibi or missing qualification.
-

Case 04 B) Hattie

- ☒ Three requirements (professional training, staff key, presence at the curator office during the 00:30-02:00 window) plus a technical trace narrow this case.
 - ☒ Cedric eliminated by alibi or missing qualification.
-

Case 05 C) Cedric

- ☒ Three requirements (professional expertise, clean-room access, presence at the equipment closet during the 02:45-04:30 window) plus a technical trace narrow this case.
 - ☒ Eleni eliminated by alibi or missing qualification.
-

Case 06 F) Leander

- ☒ Three requirements (professional training, cellar key, presence at the front register during the 00:30-02:30 window) plus a technical trace narrow this case.
- ☒ Joren eliminated by alibi or missing qualification.