

Deduction Mysteries

CASE 01

The board minutes were taken from the legal archive of Velocity Labs between 02:15 and 04:30. The operation required specific qualifications and access. 7 suspects: Akhil (legal counsel), Aurora (records clerk), Jules (IT administrator), Rhys (facilities coordinator), Joren (CFO), Fenella (senior engineer), Katarina (security officer).

Q Who took the board minutes?

1. Rhys was seen near the conference room B earlier that evening, but they had left the building by 21:55 and never returned.
2. Rhys's witness account shows continuous presence in a separate building.
3. Akhil had the qualifications but family was visiting during the window – third-party verified.
4. Fenella stated they left the building at 22:45, but the door sensor history shows their employee badge active at 02:15.
5. Aurora was at a documented conference during the window – verified by VPN session log.
6. Jules's witness account shows continuous presence in a separate building.
7. Fenella has all three required qualifications.
8. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Fenella.
9. The corporate theft required a digital certificate issued only to senior staff.
- 10 Joren lacks the required professional certification – confirmed by personnel records.
- 11 Three independent requirements: professional certification, admin credentials access, and presence at the legal archive during the 02:15-04:30 window.
- 12 Katarina lacks the required professional certification – confirmed by personnel records.

CASE 02

A research notebook was swapped from the prep bench of Caelum Labs between 03:45 and 05:30. The operation required specific qualifications and access. 7 suspects: Helena (graduate student), Gisela (principal investigator), Isolde (operations manager), Stellan (visiting scientist), Ishaan (equipment manager), Sora (undergraduate volunteer), Selene (clinical coordinator).

Q Who swapped the research notebook?

1. Sora had the qualifications but was on a flight during the window – third-party verified.
2. Helena was at a documented conference during the window – verified by equipment timestamp.
3. Three independent requirements: professional certification, clean-room access access, and presence at the prep bench during the 03:45-05:30 window.
4. Selene stated they left the building at 22:30, but the DHCP server log shows their freezer key active at 03:45.
5. The sample tampering required a unique encryption signature traceable to internal-only training.
6. Gisela was at a documented training during the window – verified by sample log.
7. Stellan's clean-room access was revoked two weeks prior; archived access list confirms.
8. Ishaan lacks the required professional certification – confirmed by personnel records.
9. Ishaan was seen near the PI office earlier that evening, but they had left the building by 20:15 and never returned.
- 10 Isolde's equipment timestamp shows continuous presence in a separate building.
- 11 Selene has all three required qualifications.

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CASE 03

A signed binary release was extracted from the DevOps room of Velocity Networks between 02:45 and 04:30. The operation required specific qualifications and access. 7 suspects: Ula (intern), Zephyr (data scientist), Mahdi (support lead), Meriel (security analyst), Alejandro (contractor), Bao (DevOps lead), Jules (CTO).

Q Who extracted the signed binary release?

1. Meriel was at a documented hospital appointment during the window – verified by badge swipe.
2. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Alejandro.
3. Alejandro stated they left the building at 23:45, but the DHCP server log shows their admin token active at 02:45.
4. Zephyr had the qualifications but was hospitalized during the window – third-party verified.
5. Bao had the qualifications but was hospitalized during the window – third-party verified.
6. Ula lacks the required professional expertise – confirmed by personnel records.
7. Alejandro has all three required qualifications.
8. Jules's MFA token log shows continuous presence in a separate building.
9. The data theft required a stamped seal serial number from a controlled supply closet.
- 10 Jules was seen near the SOC operations center earlier that evening, but they had left the building by 21:00 and never returned.
- 11 Mahdi lacks the required professional expertise – confirmed by personnel records.
- 12 Three independent requirements: professional expertise, MFA device access, and presence at the DevOps room during the 02:45-04:30 window.

CASE 04

A sequencing chip was swapped from the cold-storage freezer of Brightline Sciences between 03:45 and 05:45. The operation required specific qualifications and access. 7 suspects: Iolanthe (lab technician), Anand (principal investigator), Jacinta (postdoctoral researcher), Etienne (visiting scientist), Vidal (clinical coordinator), Oren (equipment manager), Nizar (operations manager).

Q Who swapped the sequencing chip?

1. Anand's lab badge was revoked two weeks prior; archived access list confirms.
2. Iolanthe's lab badge was revoked two weeks prior; archived access list confirms.
3. The sample tampering required a stamped seal serial number from a controlled supply closet.
4. Vidal was seen near the sequencing room earlier that evening, but they had left the building by 21:45 and never returned.
5. Nizar's clean-room entry log shows continuous presence in a separate building.
6. Jacinta's lab badge was revoked two weeks prior; archived access list confirms.
7. Vidal's clean-room entry log shows continuous presence in a separate building.
8. Three independent requirements: professional training, lab badge access, and presence at the cold-storage freezer during the 03:45-05:45 window.
9. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Etienne.
- 10 Oren was at a documented conference during the window – verified by witness sighting.
- 11 Etienne has all three required qualifications.
- 12 Etienne stated they left the building at 22:55, but the badge access record shows their clean-room access active at 03:45.

Deduction Mysteries

CASE 05

A confidential memo was taken from the data center of Northgate Partners between 00:00 and 02:15. The operation required specific qualifications and access. 7 suspects: Tatum (IT administrator), Elara (intern), Etienne (senior engineer), Tarek (HR director), Akhil (executive assistant), Ravi (legal counsel), Dimitri (records clerk).

Q Who took the confidential memo?

1. Akhil's document-room code was revoked two weeks prior; archived access list confirms.
2. Three independent requirements: professional certification, document-room code access, and presence at the data center during the 00:00-02:15 window.
3. Dimitri had the qualifications but was on a flight during the window – third-party verified.
4. Ravi's printer log shows continuous presence in a separate building.
5. Akhil was seen near the records vault earlier that evening, but they had left the building by 20:05 and never returned.
6. Elara has all three required qualifications.
7. Tarek's security badge log shows continuous presence in a separate building.
8. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Elara.
9. Elara stated they left the building at 22:10, but the network authentication record shows their VPN access active at 00:00.
- 10 Etienne's document-room code was revoked two weeks prior; archived access list confirms.
- 11 Tatum had the qualifications but was on a flight during the window – third-party verified.
- 12 The corporate theft required a stamped seal serial number from a controlled supply closet.

CASE 06

A genealogy register was taken from the cataloging room of Northgate Estate Archive between 02:15 and 04:45. The operation required specific qualifications and access. 7 suspects: Wilder (head archivist), Zephyr (intern), Bram (researcher), Florian (genealogist), Tariq (administrator), Tomas (conservation specialist), Ramona (volunteer).

Q Who took the genealogy register?

1. Bram has all three required qualifications.
2. Tariq lacks the required professional certification – confirmed by personnel records.
3. Wilder had the qualifications but was hospitalized during the window – third-party verified.
4. Tomas was seen near the restricted reading room earlier that evening, but they had left the building by 21:15 and never returned.
5. Tomas was at a documented hospital appointment during the window – verified by reading-room sign-in.
6. Ramona's camera footage shows continuous presence in a separate building.
7. Zephyr had the qualifications but was hospitalized during the window – third-party verified.
8. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Bram.
9. The theft required a stamped seal serial number from a controlled supply closet.
- 10 Florian had the qualifications but was on a flight during the window – third-party verified.
- 11 Bram stated they left the building at 23:50, but the elevator log shows their archive badge . active at 02:15.
- 12 Three independent requirements: professional certification, admin code access, and presence at . the cataloging room during the 02:15-04:45 window.

Answer Key – Deduction Mysteries

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

Case 01 D) Fenella

- ☒ Three requirements (professional certification, admin credentials, presence at the legal archive during the 02:15-04:30 window) plus a technical trace narrow this case.
 - ☒ Akhil eliminated by alibi or missing qualification.
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Case 02 undefined) Selene

- ☒ Three requirements (professional certification, clean-room access, presence at the prep bench during the 03:45-05:30 window) plus a technical trace narrow this case.
 - ☒ Helena eliminated by alibi or missing qualification.
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Case 03 F) Alejandro

- ☒ Three requirements (professional expertise, MFA device, presence at the DevOps room during the 02:45-04:30 window) plus a technical trace narrow this case.
 - ☒ Ula eliminated by alibi or missing qualification.
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Case 04 E) Etienne

- ☒ Three requirements (professional training, lab badge, presence at the cold-storage freezer during the 03:45-05:45 window) plus a technical trace narrow this case.
 - ☒ Iolanthe eliminated by alibi or missing qualification.
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Case 05 B) Elara

- ☒ Three requirements (professional certification, document-room code, presence at the data center during the 00:00-02:15 window) plus a technical trace narrow this case.
 - ☒ Tatum eliminated by alibi or missing qualification.
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Case 06 E) Bram

- ☒ Three requirements (professional certification, admin code, presence at the cataloging room during the 02:15-04:45 window) plus a technical trace narrow this case.
- ☒ Wilder eliminated by alibi or missing qualification.