

Deduction Mysteries

CASE 01

A client contract data was extracted from the testing lab of Brightline Software between 02:45 and 04:15. The operation required specific qualifications and access. 7 suspects: Ula (DevOps lead), Frida (security analyst), Hiroshi (CTO), Indira (support lead), Stellan (intern), Aurora (site-reliability engineer), Joren (product manager).

Q Who extracted the client contract data?

1. Ula had the qualifications but was on a flight during the window – third-party verified.
2. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Frida.
3. Joren lacks the required professional expertise – confirmed by personnel records.
4. Stellan had the qualifications but family was visiting during the window – third-party verified.
5. Three independent requirements: professional expertise, SSH key access, and presence at the testing lab during the 02:45-04:15 window.
6. Indira was seen near the SOC operations center earlier that evening, but they had left the building by 20:35 and never returned.
7. Aurora's SSH key was revoked two weeks prior; archived access list confirms.
8. Frida has all three required qualifications.
9. Hiroshi's SSH key was revoked two weeks prior; archived access list confirms.
10. Frida stated they left the building at 23:00, but the elevator log shows their VPN credentials active at 02:45.
11. Indira had the qualifications but was hospitalized during the window – third-party verified.

CASE 02

The clinical trial samples were taken from the intensive care wing of Northgate Memorial between 00:00 and 02:00. The operation required specific qualifications and access. 6 suspects: Omari (janitor), Ginevra (administrator), Galina (security officer), Nadia (head nurse), Alessio (volunteer), Gemma (medical resident).

Q Who took the clinical trial samples?

1. Alessio has all three required qualifications.
2. Ginevra was seen near the administration office earlier that evening, but they had left the building by 20:05 and never returned.
3. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Alessio.
4. Galina was at a documented conference during the window – verified by medication audit.
5. Omari's badge log shows continuous presence in a separate building.
6. Gemma's administrator code was revoked two weeks prior; archived access list confirms.
7. Nadia had the qualifications but was hospitalized during the window – third-party verified.
8. The theft required a stamped seal serial number from a controlled supply closet.
9. Alessio stated they left the building at 23:20, but the elevator log shows their restricted-wing access active at 00:00.
10. Ginevra's administrator code was revoked two weeks prior; archived access list confirms.
11. Three independent requirements: professional training, administrator code access, and presence at the intensive care wing during the 00:00-02:00 window.

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CASE 03

A signed manuscript was taken from the storage basement of Brookfield Art Institute between 02:00 and 04:15. The operation required specific qualifications and access. 6 suspects: Xiomara (exhibition designer), Gemma (security guard), Klaus (docent), Fenella (archivist), Kalinda (night security), Dimitri (tour guide).

Q Who took the signed manuscript?

1. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Fenella.
2. Three independent requirements: professional certification, master key access, and presence at the storage basement during the 02:00-04:15 window.
3. Kalinda lacks the required professional certification – confirmed by personnel records.
4. Fenella has all three required qualifications.
5. Fenella stated they left the building at 23:20, but the door sensor history shows their security badge active at 02:00.
6. Klaus was at a documented hospital appointment during the window – verified by witness testimony.
7. Klaus was seen near the climate-controlled vault earlier that evening, but they had left the building by 21:30 and never returned.
8. Gemma's door sensor shows continuous presence in a separate building.
9. Dimitri's master key was revoked two weeks prior; archived access list confirms.
- 10 Xiomara lacks the required professional certification – confirmed by personnel records.
- 11 The theft required a stamped seal serial number from a controlled supply closet.

CASE 04

The box-office receipts were taken from the rehearsal hall of Northgate Stage between 02:00 and 04:30. The operation required specific qualifications and access. 7 suspects: Gisela (lead actor), Klaus (box-office manager), Suri (costume designer), Theo (understudy), Emiko (director), Hattie (stagehand), Bjorn (musical director).

Q Who took the box-office receipts?

1. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Theo.
2. Emiko had the qualifications but was hospitalized during the window – third-party verified.
3. The theft required a digital certificate issued only to senior staff.
4. Bjorn had the qualifications but was on a flight during the window – third-party verified.
5. Gisela had the qualifications but family was visiting during the window – third-party verified.
6. Bjorn was seen near the dressing room earlier that evening, but they had left the building by 20:00 and never returned.
7. Hattie was at a documented conference during the window – verified by props inventory log.
8. Suri was at a documented conference during the window – verified by box-office system.
9. Theo has all three required qualifications.
- 10 Klaus's box-office key was revoked two weeks prior; archived access list confirms.
- 11 Theo stated they left the building at 23:20, but the door sensor history shows their director's key active at 02:00.
- 12 Three independent requirements: professional training, box-office key access, and presence at the rehearsal hall during the 02:00-04:30 window.

Deduction Mysteries

CASE 05

A research notebook was swapped from the glove box of Solstice Research between 02:45 and 04:00. The operation required specific qualifications and access. 6 suspects: Katarina (equipment manager), Joren (operations manager), Roksana (postdoctoral researcher), Quentin (principal investigator), Renata (graduate student), Emiko (safety officer).

Q Who swapped the research notebook?

1. Emiko stated they left the building at 23:55, but the DHCP server log shows their lab badge active at 02:45.
2. Joren had the qualifications but was on a flight during the window – third-party verified.
3. Renata was at a documented training during the window – verified by badge swipe.
4. Renata was seen near the cold-storage freezer earlier that evening, but they had left the building by 20:10 and never returned.
5. Katarina had the qualifications but family was visiting during the window – third-party verified.
6. Three independent requirements: professional expertise, clean-room access access, and presence at the glove box during the 02:45-04:00 window.
7. The sample tampering required a digital certificate issued only to senior staff.
8. Emiko has all three required qualifications.
9. Roksana's clean-room access was revoked two weeks prior; archived access list confirms.
- 10 Quentin's clean-room entry log shows continuous presence in a separate building.
- 11 A trace at the scene – a digital certificate issued only to senior staff – matches inventory . accessible only to Emiko.

CASE 06

An original script was taken from the dressing room of Helix Repertory between 01:30 and 03:45. The operation required specific qualifications and access. 7 suspects: Saoirse (costume designer), Hasan (stage manager), Meriel (stagehand), Aiko (musical director), Simeon (director), Bao (lighting tech), Lior (understudy).

Q Who took the original script?

1. Lior's box-office system shows continuous presence in a separate building.
2. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Aiko.
3. Bao's dressing-room sign-in shows continuous presence in a separate building.
4. Aiko has all three required qualifications.
5. Meriel's director's key was revoked two weeks prior; archived access list confirms.
6. The theft required a unique encryption signature traceable to internal-only training.
7. Hasan was seen near the catwalk earlier that evening, but they had left the building by 20:30 and never returned.
8. Three independent requirements: professional expertise, director's key access, and presence at the dressing room during the 01:30-03:45 window.
9. Simeon was at a documented hospital appointment during the window – verified by dressing-room sign-in.
- 10 Saoirse was at a documented training during the window – verified by witness crew member.
- 11 Hasan's director's key was revoked two weeks prior; archived access list confirms.
- 12 Aiko stated they left the building at 22:50, but the badge access record shows their box-office key active at 01:30.

Answer Key – Deduction Mysteries

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

Case 01 **undefined) Frida**

- ☒ Three requirements (professional expertise, SSH key, presence at the testing lab during the 02:45-04:15 window) plus a technical trace narrow this case.
 - ☒ Ula eliminated by alibi or missing qualification.
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Case 02 **E) Alessio**

- ☒ Three requirements (professional training, administrator code, presence at the intensive care wing during the 00:00-02:00 window) plus a technical trace narrow this case.
 - ☒ Omari eliminated by alibi or missing qualification.
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Case 03 **E) Fenella**

- ☒ Three requirements (professional certification, master key, presence at the storage basement during the 02:00-04:15 window) plus a technical trace narrow this case.
 - ☒ Xiomara eliminated by alibi or missing qualification.
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Case 04 **A) Theo**

- ☒ Three requirements (professional training, box-office key, presence at the rehearsal hall during the 02:00-04:30 window) plus a technical trace narrow this case.
 - ☒ Gisela eliminated by alibi or missing qualification.
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Case 05 **E) Emiko**

- ☒ Three requirements (professional expertise, clean-room access, presence at the glove box during the 02:45-04:00 window) plus a technical trace narrow this case.
 - ☒ Katarina eliminated by alibi or missing qualification.
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Case 06 **E) Aiko**

- ☒ Three requirements (professional expertise, director's key, presence at the dressing room during the 01:30-03:45 window) plus a technical trace narrow this case.
 - ☒ Saoirse eliminated by alibi or missing qualification.
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