

Deduction Mysteries

CASE 01

A signed playbill collection was taken from the catwalk of Helix Repertory between 01:45 and 03:15. The operation required specific qualifications and access. 7 suspects: Maeve (lead actor), Tomas (director), Zephyr (box-office manager), Gemma (musical director), Gisela (costume designer), Elspeth (understudy), Bayan (stage manager).

Q Who took the signed playbill collection?

1. Tomas's backstage pass was revoked two weeks prior; archived access list confirms.
2. Bayan has all three required qualifications.
3. Elspeth's backstage pass was revoked two weeks prior; archived access list confirms.
4. Bayan stated they left the building at 23:50, but the parking-lot camera shows their prop-room code active at 01:45.
5. Gisela lacks the required professional expertise – confirmed by personnel records.
6. Maeve was seen near the prop storage earlier that evening, but they had left the building by 20:05 and never returned.
7. Maeve's backstage pass was revoked two weeks prior; archived access list confirms.
8. Three independent requirements: professional expertise, backstage pass access, and presence at the catwalk during the 01:45-03:15 window.
9. The theft required a custom-machined tool stocked only in equipment closet B.
- 10 A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches . inventory accessible only to Bayan.
- 11 Zephyr lacks the required professional expertise – confirmed by personnel records.
- 12 Gemma's rehearsal sign-in shows continuous presence in a separate building.

CASE 02

An encrypted hard drive was taken from the filing cabinet of Cedarstone Inc between 02:00 and 04:00. The operation required specific qualifications and access. 6 suspects: Bram (legal counsel), Kasimir (executive assistant), Etienne (CFO), Zinnia (HR director), Olive (security officer), Bayan (records clerk).

Q Who took the encrypted hard drive?

1. Kasimir lacks the required professional certification – confirmed by personnel records.
2. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Olive.
3. Kasimir was seen near the conference room B earlier that evening, but they had left the building by 20:15 and never returned.
4. Zinnia's printer log shows continuous presence in a separate building.
5. Olive stated they left the building at 22:05, but the DHCP server log shows their admin credentials active at 02:00.
6. Three independent requirements: professional certification, elevator key access, and presence at the filing cabinet during the 02:00-04:00 window.
7. Olive has all three required qualifications.
8. Etienne lacks the required professional certification – confirmed by personnel records.
9. Bayan was at a documented training during the window – verified by security badge log.
- 10 The corporate theft required a custom-machined tool stocked only in equipment closet B.
- 11 Bram lacks the required professional certification – confirmed by personnel records.

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CASE 03

A controlled medication was taken from the imaging room of Brierfield Hospital between 02:45 and 04:00. The operation required specific qualifications and access. 7 suspects: Enzo (technician), Jules (security officer), Indira (head nurse), Amari (attending physician), Noor (medical resident), Aiko (volunteer), Nadia (pharmacist).

Q Who took the controlled medication?

1. The theft required a unique encryption signature traceable to internal-only training.
2. Indira was at a documented conference during the window – verified by witness staff.
3. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Enzo.
4. Aiko's elevator log shows continuous presence in a separate building.
5. Three independent requirements: professional certification, restricted-wing access access, and presence at the imaging room during the 02:45-04:00 window.
6. Nadia was at a documented hospital appointment during the window – verified by medication audit.
7. Jules had the qualifications but family was visiting during the window – third-party verified.
8. Enzo has all three required qualifications.
9. Noor was seen near the administration office earlier that evening, but they had left the building by 20:15 and never returned.
- 10 Noor lacks the required professional certification – confirmed by personnel records.
- 11 Amari's pharmacy CCTV shows continuous presence in a separate building.
- 12 Enzo stated they left the building at 22:20, but the DHCP server log shows their administrator ~~code active at 02:45.~~

CASE 04

A locker key was taken from the records office of Westbrook Academy between 02:15 and 04:00. The operation required specific qualifications and access. 6 suspects: Stellan (librarian), Mei (department head), Emiko (substitute teacher), Quincy (principal), Caelan (janitor), Eleni (student council president).

Q Who took the locker key?

1. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Caelan.
2. Emiko's witness statement shows continuous presence in a separate building.
3. Quincy lacks the required professional expertise – confirmed by personnel records.
4. The theft required a specific paint formulation only stocked in the restoration lab.
5. Stellan's keypad code was revoked two weeks prior; archived access list confirms.
6. Three independent requirements: professional expertise, keypad code access, and presence at the records office during the 02:15-04:00 window.
7. Caelan stated they left the building at 22:45, but the elevator log shows their staff key active at 02:15.
8. Mei's hallway camera shows continuous presence in a separate building.
9. Eleni was seen near the staff bathroom earlier that evening, but they had left the building by 20:10 and never returned.
- 10 Eleni was at a documented hospital appointment during the window – verified by door sensor.
- 11 Caelan has all three required qualifications.

Deduction Mysteries

CASE 05

A test specimen was swapped from the sample storage of Aldermarsh Laboratory between 00:45 and 02:15. The operation required specific qualifications and access. 7 suspects: Galina (equipment manager), Kerensa (safety officer), Bjorn (lab technician), Elspeth (principal investigator), Mei (undergraduate volunteer), Saoirse (postdoctoral researcher), Selene (graduate student).

Q Who swapped the test specimen?

1. Elspeth lacks the required professional certification – confirmed by personnel records.
2. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Selene.
3. Kerensa's biohazard clearance was revoked two weeks prior; archived access list confirms.
4. Saoirse's biohazard clearance was revoked two weeks prior; archived access list confirms.
5. The sample tampering required a digital certificate issued only to senior staff.
6. Bjorn was seen near the cleanroom earlier that evening, but they had left the building by 21:55 and never returned.
7. Mei's freezer access log shows continuous presence in a separate building.
8. Three independent requirements: professional certification, biohazard clearance access, and presence at the sample storage during the 00:45-02:15 window.
9. Selene stated they left the building at 22:40, but the elevator log shows their lab badge active at 00:45.
- 10 Bjorn's badge swipe shows continuous presence in a separate building.
- 11 Selene has all three required qualifications.

CASE 06

The patient records were taken from the blood bank of Saint-Clair Hospital between 03:00 and 05:30. The operation required specific qualifications and access. 7 suspects: Suri (attending physician), Enzo (head nurse), Damaris (administrator), Xanthe (pharmacist), Wilder (medical resident), Yara (volunteer), Idris (security officer).

Q Who took the patient records?

1. Suri lacks the required professional expertise – confirmed by personnel records.
2. Yara's hospital badge was revoked two weeks prior; archived access list confirms.
3. Wilder was at a documented conference during the window – verified by pharmacy CCTV.
4. Three independent requirements: professional expertise, hospital badge access, and presence at the blood bank during the 03:00-05:30 window.
5. Idris stated they left the building at 23:00, but the badge access record shows their restricted-wing access active at 03:00.
6. Xanthe lacks the required professional expertise – confirmed by personnel records.
7. Damaris was at a documented hospital appointment during the window – verified by door sensor.
8. Enzo had the qualifications but was on a flight during the window – third-party verified.
9. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Idris.
- 10 Xanthe was seen near the imaging room earlier that evening, but they had left the building by . 21:35 and never returned.
- 11 Idris has all three required qualifications.
- 12 The theft required a stamped seal serial number from a controlled supply closet.

Answer Key – Deduction Mysteries

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

Case 01 D) Bayan

- ☑ Three requirements (professional expertise, backstage pass, presence at the catwalk during the 01:45-03:15 window) plus a technical trace narrow this case.
 - ☑ Maeve eliminated by alibi or missing qualification.
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Case 02 E) Olive

- ☑ Three requirements (professional certification, elevator key, presence at the filing cabinet during the 02:00-04:00 window) plus a technical trace narrow this case.
 - ☑ Bram eliminated by alibi or missing qualification.
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Case 03 E) Enzo

- ☑ Three requirements (professional certification, restricted-wing access, presence at the imaging room during the 02:45-04:00 window) plus a technical trace narrow this case.
 - ☑ Jules eliminated by alibi or missing qualification.
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Case 04 F) Caelan

- ☑ Three requirements (professional expertise, keypad code, presence at the records office during the 02:15-04:00 window) plus a technical trace narrow this case.
 - ☑ Stellan eliminated by alibi or missing qualification.
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Case 05 A) Selene

- ☑ Three requirements (professional certification, biohazard clearance, presence at the sample storage during the 00:45-02:15 window) plus a technical trace narrow this case.
 - ☑ Galina eliminated by alibi or missing qualification.
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Case 06 D) Idris

- ☑ Three requirements (professional expertise, hospital badge, presence at the blood bank during the 03:00-05:30 window) plus a technical trace narrow this case.
- ☑ Suri eliminated by alibi or missing qualification.