

Deduction Mysteries

CASE 01

A sequencing chip was swapped from the glove box of Nordic Bio between 02:00 and 04:15. The operation required specific qualifications and access. 6 suspects: Hadley (equipment manager), Darya (operations manager), Frida (undergraduate volunteer), Aaliyah (postdoctoral researcher), Jules (graduate student), Etienne (clinical coordinator).

Q Who swapped the sequencing chip?

1. Frida had the qualifications but family was visiting during the window – third-party verified.
2. Frida was seen near the sample storage earlier that evening, but they had left the building by 21:30 and never returned.
3. Darya lacks the required professional expertise – confirmed by personnel records.
4. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Aaliyah.
5. Aaliyah stated they left the building at 22:35, but the badge access record shows their lab badge active at 02:00.
6. Aaliyah has all three required qualifications.
7. Etienne's freezer access log shows continuous presence in a separate building.
8. Three independent requirements: professional expertise, biohazard clearance access, and presence at the glove box during the 02:00-04:15 window.
9. The sample tampering required a digital certificate issued only to senior staff.
- 10 Hadley's biohazard clearance was revoked two weeks prior; archived access list confirms.

11 Jules had the	qualifications but family was visiting during the	window – third-party verified.			
A) Etienne	B) Frida	C) Aaliyah	D) Hadley	E) Jules	F) Darya

CASE 02

An accounting ledger was taken from the executive suite of Northgate Partners between 01:00 and 03:15. The operation required specific qualifications and access. 7 suspects: Jian (HR director), Yusuf (IT administrator), Yara (CFO), Darya (legal counsel), Ramona (security officer), Amelia (records clerk), Oren (intern).

Q Who took the accounting ledger?

1. Jian was seen near the document destruction room earlier that evening, but they had left the building by 21:40 and never returned.
2. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Darya.
3. Three independent requirements: professional certification, employee badge access, and presence at the executive suite during the 01:00-03:15 window.
4. Amelia lacks the required professional certification – confirmed by personnel records.
5. Oren lacks the required professional certification – confirmed by personnel records.
6. Darya stated they left the building at 22:05, but the DHCP server log shows their VPN access active at 01:00.
7. Darya has all three required qualifications.
8. Ramona lacks the required professional certification – confirmed by personnel records.
9. Yara had the qualifications but was on a flight during the window – third-party verified.
- 10 Yusuf's elevator log shows continuous presence in a separate building.
- 11 The corporate theft required a unique encryption signature traceable to internal-only training.
- 12 Jian lacks the required professional certification – confirmed by personnel records.

Deduction Mysteries

CASE 03

The student transcripts were taken from the science lab of Westbrook Academy between 01:00 and 03:45. The operation required specific qualifications and access. 7 suspects: Suri (school counselor), Kerensa (substitute teacher), Priya (librarian), Daphne (principal), Joaquin (coach), Elspeth (teacher), Bram (student council president).

Q Who took the student transcripts?

1. Suri was seen near the principal's office earlier that evening, but they had left the building by 20:40 and never returned.
2. The theft required a digital certificate issued only to senior staff.
3. Three independent requirements: professional certification, master key access, and presence at the science lab during the 01:00-03:45 window.
4. Kerensa has all three required qualifications.
5. Kerensa stated they left the building at 23:30, but the DHCP server log shows their staff key active at 01:00.
6. Elspeth was at a documented hospital appointment during the window – verified by door sensor.
7. Priya was at a documented training during the window – verified by keycard log.
8. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Kerensa.
9. Suri's master key was revoked two weeks prior; archived access list confirms.
- 10 Daphne lacks the required professional certification – confirmed by personnel records.
- 11 Bram's master key was revoked two weeks prior; archived access list confirms.
- 12 Joaquin's keycard log shows continuous presence in a separate building.

CASE 04

A prototype compound was swapped from the equipment closet of Pemberton Pharmaceuticals between 00:15 and 02:15. The operation required specific qualifications and access. 6 suspects: Kerensa (graduate student), Ezra (operations manager), Cosima (clinical coordinator), Sigrid (lab technician), Emiko (visiting scientist), Eitan (equipment manager).

Q Who swapped the prototype compound?

1. The sample tampering required a unique encryption signature traceable to internal-only training.
2. Kerensa's lab badge was revoked two weeks prior; archived access list confirms.
3. Eitan has all three required qualifications.
4. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Eitan.
5. Sigrid had the qualifications but was hospitalized during the window – third-party verified.
6. Eitan stated they left the building at 22:55, but the elevator log shows their freezer key active at 00:15.
7. Kerensa was seen near the sequencing room earlier that evening, but they had left the building by 21:40 and never returned.
8. Ezra had the qualifications but family was visiting during the window – third-party verified.
9. Three independent requirements: professional training, lab badge access, and presence at the equipment closet during the 00:15-02:15 window.
- 10 Cosima was at a documented training during the window – verified by clean-room entry log.
- 11 Emiko was at a documented conference during the window – verified by badge swipe.

Deduction Mysteries

CASE 05

A catering payment was taken from the walk-in cooler of Quartermaine's between 03:15 and 05:15. The operation required specific qualifications and access. 6 suspects: Rhys (head chef), Dario (manager), Iolanthe (sommelier), Hakim (pastry chef), Ula (bartender), Marisol (sous chef).

Q Who took the catering payment?

1. Ula has all three required qualifications.
2. Ula stated they left the building at 22:50, but the badge access record shows their register code active at 03:15.
3. The theft required a stamped seal serial number from a controlled supply closet.
4. Rhys's manager key was revoked two weeks prior; archived access list confirms.
5. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Ula.
6. Three independent requirements: professional expertise, manager key access, and presence at the walk-in cooler during the 03:15–05:15 window.
7. Dario's time-clock record shows continuous presence in a separate building.
8. Marisol's front-of-house camera shows continuous presence in a separate building.
9. Hakim lacks the required professional expertise – confirmed by personnel records.
- 10 Iolanthe had the qualifications but family was visiting during the window – third-party . verified.
- 11 Dario was seen near the staff break room earlier that evening, but they had left the building . by 21:10 and never returned.

CASE 06

An exam answer key was taken from the locker room of Northgate Academy between 02:15 and 04:15. The operation required specific qualifications and access. 7 suspects: Akira (principal), Renata (janitor), Tess (coach), Rhys (teacher), Ravi (secretary), Fariha (school counselor), Kalinda (department head).

Q Who took the exam answer key?

1. Fariha had the qualifications but family was visiting during the window – third-party verified.
2. Renata's attendance log shows continuous presence in a separate building.
3. Kalinda's keypad code was revoked two weeks prior; archived access list confirms.
4. Ravi's attendance log shows continuous presence in a separate building.
5. Three independent requirements: professional certification, keypad code access, and presence at the locker room during the 02:15–04:15 window.
6. Kalinda was seen near the computer lab earlier that evening, but they had left the building by 21:20 and never returned.
7. Rhys's keypad code was revoked two weeks prior; archived access list confirms.
8. Tess lacks the required professional certification – confirmed by personnel records.
9. Akira stated they left the building at 22:40, but the elevator log shows their keypad code active at 02:15.
- 10 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches . inventory accessible only to Akira.
- 11 The theft required a stamped seal serial number from a controlled supply closet.
- 12 Akira has all three required qualifications.

Answer Key – Deduction Mysteries

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

Case 01 C) Aaliyah

- ☒ Three requirements (professional expertise, biohazard clearance, presence at the glove box during the 02:00-04:15 window) plus a technical trace narrow this case.
 - ☒ Hadley eliminated by alibi or missing qualification.
-

Case 02 F) Darya

- ☒ Three requirements (professional certification, employee badge, presence at the executive suite during the 01:00-03:15 window) plus a technical trace narrow this case.
 - ☒ Jian eliminated by alibi or missing qualification.
-

Case 03 D) Kerensa

- ☒ Three requirements (professional certification, master key, presence at the science lab during the 01:00-03:45 window) plus a technical trace narrow this case.
 - ☒ Suri eliminated by alibi or missing qualification.
-

Case 04 F) Eitan

- ☒ Three requirements (professional training, lab badge, presence at the equipment closet during the 00:15-02:15 window) plus a technical trace narrow this case.
 - ☒ Kerensa eliminated by alibi or missing qualification.
-

Case 05 C) Ula

- ☒ Three requirements (professional expertise, manager key, presence at the walk-in cooler during the 03:15-05:15 window) plus a technical trace narrow this case.
 - ☒ Rhys eliminated by alibi or missing qualification.
-

Case 06 B) Akira

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