

## Deduction Mysteries

### CASE 01

A sealed surgical kit was taken from the imaging room of Pemberton Medical between 01:30 and 03:00. The operation required specific qualifications and access. 7 suspects: Stellan (administrator), Suri (volunteer), Jian (head nurse), Hiroshi (security officer), Bao (social worker), Elara (technician), Hakim (attending physician).

#### Q Who took the sealed surgical kit?

1. Hiroshi stated they left the building at 23:55, but the network authentication record shows their pharmacy key active at 01:30.
2. Stellan's restricted-wing access was revoked two weeks prior; archived access list confirms.
3. Suri's restricted-wing access was revoked two weeks prior; archived access list confirms.
4. Elara was at a documented training during the window – verified by badge log.
5. Bao was at a documented conference during the window – verified by door sensor.
6. Jian was at a documented conference during the window – verified by witness staff.
7. Hiroshi has all three required qualifications.
8. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Hiroshi.
9. The theft required a specific paint formulation only stocked in the restoration lab.
- 10 Hakim lacks the required professional certification – confirmed by personnel records.
- 11 Three independent requirements: professional certification, restricted-wing access access, and . presence at the imaging room during the 01:30-03:00 window.
- 12 Bao was seen near the imaging room earlier that evening, but they had left the building by . 21:00 and never returned.

### CASE 02

A sealed surgical kit was taken from the operating theater of Brierfield Hospital between 03:30 and 05:45. The operation required specific qualifications and access. 7 suspects: Kiran (security officer), Kerensa (administrator), Mei (head nurse), Diallo (medical resident), Ines (pharmacist), Elara (attending physician), Gisela (social worker).

#### Q Who took the sealed surgical kit?

1. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Kiran.
2. Mei had the qualifications but family was visiting during the window – third-party verified.
3. Diallo was at a documented hospital appointment during the window – verified by pharmacy CCTV.
4. Kerensa lacks the required professional training – confirmed by personnel records.
5. The theft required a stamped seal serial number from a controlled supply closet.
6. Kiran stated they left the building at 22:00, but the network authentication record shows their restricted-wing access active at 03:30.
7. Kiran has all three required qualifications.
8. Elara's witness staff shows continuous presence in a separate building.
9. Three independent requirements: professional training, pharmacy key access, and presence at the operating theater during the 03:30-05:45 window.
- 10 Gisela's pharmacy key was revoked two weeks prior; archived access list confirms.
- 11 Ines's pharmacy key was revoked two weeks prior; archived access list confirms.
- 12 Diallo was seen near the staff lounge earlier that evening, but they had left the building by . 20:00 and never returned.

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### CASE 03

An original script was taken from the rehearsal hall of Northgate Stage between 01:45 and 03:00. The operation required specific qualifications and access. 6 suspects: Klaus (box-office manager), Zephyr (director), Penelope (musical director), Vera (stagehand), Vidal (understudy), Saoirse (lead actor).

#### Q Who took the original script?

1. Vidal's rehearsal sign-in shows continuous presence in a separate building.
2. Zephyr had the qualifications but family was visiting during the window – third-party verified.
3. Klaus has all three required qualifications.
4. Vera was seen near the backstage left earlier that evening, but they had left the building by 21:40 and never returned.
5. Vera's prop-room code was revoked two weeks prior; archived access list confirms.
6. Penelope had the qualifications but was on a flight during the window – third-party verified.
7. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Klaus.
8. Saoirse's prop-room code was revoked two weeks prior; archived access list confirms.
9. Three independent requirements: professional certification, prop-room code access, and presence at the rehearsal hall during the 01:45-03:00 window.
- 10 Klaus stated they left the building at 22:20, but the door sensor history shows their backstage pass active at 01:45.

11 The theft required a unique encryption signature traceable to internal-only training.

A) Klaus

B) Saoirse

C) Zephyr

D) Vidal

E) Penelope

F) Vera

### CASE 04

A client database was taken from the data center of Cedarstone Inc between 00:15 and 02:00. The operation required specific qualifications and access. 7 suspects: Hakim (security officer), Bram (CFO), Mahdi (intern), Leander (executive assistant), Galina (legal counsel), Anastasia (IT administrator), Aleksandr (HR director).

#### Q Who took the client database?

1. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Aleksandr.
2. Aleksandr stated they left the building at 23:50, but the badge access record shows their document-room code active at 00:15.
3. Hakim's door access record shows continuous presence in a separate building.
4. Galina's admin credentials was revoked two weeks prior; archived access list confirms.
5. Mahdi's admin credentials was revoked two weeks prior; archived access list confirms.
6. The corporate theft required a specific paint formulation only stocked in the restoration lab.
7. Bram had the qualifications but was hospitalized during the window – third-party verified.
8. Three independent requirements: professional expertise, admin credentials access, and presence at the data center during the 00:15-02:00 window.
9. Leander was seen near the executive suite earlier that evening, but they had left the building by 21:05 and never returned.
- 10 Leander had the qualifications but family was visiting during the window – third-party verified.
- 11 Anastasia was at a documented conference during the window – verified by security badge log.

## Deduction Mysteries

### CASE 05

A calibration gauge was taken from the employee locker area of Northgate Workshop between 03:45 and 05:30. The operation required specific qualifications and access. 7 suspects: Mauro (electrician), Quincy (quality inspector), Simeon (parts clerk), Nikolai (customer service rep), Kalisa (machinist), Priya (welder), Odell (shop manager).

#### Q Who took the calibration gauge?

1. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Mauro.
2. Priya was seen near the manager's office earlier that evening, but they had left the building by 20:00 and never returned.
3. Mauro stated they left the building at 23:45, but the parking-lot camera shows their parts-room code active at 03:45.
4. Three independent requirements: professional expertise, manager key access, and presence at the employee locker area during the 03:45-05:30 window.
5. Kalisa had the qualifications but was on a flight during the window – third-party verified.
6. Mauro has all three required qualifications.
7. Nikolai had the qualifications but family was visiting during the window – third-party verified.
8. Odell had the qualifications but was hospitalized during the window – third-party verified.
9. The theft required a custom-machined tool stocked only in equipment closet B.
10. Priya lacks the required professional expertise – confirmed by personnel records.
11. Quincy's witness coworker shows continuous presence in a separate building.

### CASE 06

The patient records were taken from the administration office of Northgate Memorial between 01:15 and 03:45. The operation required specific qualifications and access. 7 suspects: Cyrus (volunteer), Ishaan (medical resident), Aiko (attending physician), Dimitri (security officer), Renata (pharmacist), Hattie (technician), Phaedra (janitor).

#### Q Who took the patient records?

1. The theft required a digital certificate issued only to senior staff.
2. Renata stated they left the building at 23:55, but the DHCP server log shows their restricted-wing access active at 01:15.
3. Hattie's hospital badge was revoked two weeks prior; archived access list confirms.
4. Three independent requirements: professional training, hospital badge access, and presence at the administration office during the 01:15-03:45 window.
5. Cyrus was seen near the administration office earlier that evening, but they had left the building by 20:40 and never returned.
6. Dimitri had the qualifications but was on a flight during the window – third-party verified.
7. Phaedra lacks the required professional training – confirmed by personnel records.
8. Cyrus's witness staff shows continuous presence in a separate building.
9. Ishaan's hospital badge was revoked two weeks prior; archived access list confirms.
10. Renata has all three required qualifications.
11. Aiko lacks the required professional training – confirmed by personnel records.
12. A trace at the scene – a digital certificate issued only to senior staff – matches inventory . accessible only to Renata.

## Answer Key – Deduction Mysteries

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

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### Case 01 B) Hiroshi

- ☑ Three requirements (professional certification, restricted-wing access, presence at the imaging room during the 01:30-03:00 window) plus a technical trace narrow this case.
  - ☑ Stellan eliminated by alibi or missing qualification.
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### Case 02 A) Kiran

- ☑ Three requirements (professional training, pharmacy key, presence at the operating theater during the 03:30-05:45 window) plus a technical trace narrow this case.
  - ☑ Kerensa eliminated by alibi or missing qualification.
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### Case 03 A) Klaus

- ☑ Three requirements (professional certification, prop-room code, presence at the rehearsal hall during the 01:45-03:00 window) plus a technical trace narrow this case.
  - ☑ Zephyr eliminated by alibi or missing qualification.
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### Case 04 A) Aleksandr

- ☑ Three requirements (professional expertise, admin credentials, presence at the data center during the 00:15-02:00 window) plus a technical trace narrow this case.
  - ☑ Hakim eliminated by alibi or missing qualification.
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### Case 05 E) Mauro

- ☑ Three requirements (professional expertise, manager key, presence at the employee locker area during the 03:45-05:30 window) plus a technical trace narrow this case.
  - ☑ Quincy eliminated by alibi or missing qualification.
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### Case 06 C) Renata

- ☑ Three requirements (professional training, hospital badge, presence at the administration office during the 01:15-03:45 window) plus a technical trace narrow this case.
- ☑ Cyrus eliminated by alibi or missing qualification.