

Deduction Mysteries

CASE 01

A sealed surgical kit was taken from the administration office of Helix Health Center between 01:00 and 03:00. The operation required specific qualifications and access. 6 suspects: Kasper (security officer), Theo (janitor), Adrian (medical resident), Oren (social worker), Lana (technician), Stellan (administrator).

Q Who took the sealed surgical kit?

1. Oren stated they left the building at 22:25, but the parking-lot camera shows their restricted-wing access active at 01:00.
2. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Oren.
3. Lana lacks the required professional expertise – confirmed by personnel records.
4. The theft required a digital certificate issued only to senior staff.
5. Kasper's badge log shows continuous presence in a separate building.
6. Theo had the qualifications but was hospitalized during the window – third-party verified.
7. Oren has all three required qualifications.
8. Three independent requirements: professional expertise, administrator code access, and presence at the administration office during the 01:00-03:00 window.
9. Theo was seen near the operating theater earlier that evening, but they had left the building by 20:20 and never returned.
- 10 Stellan lacks the required professional expertise – confirmed by personnel records.

11 Adrian was at	a documented training	during the window	– verified by pharmacy CCTV.	
A) Kasper	B) Adrian	C) Stellan	D) Lana	E) Theo
				F) Oren

CASE 02

A sealed reagent was swapped from the equipment closet of Helix Bioresearch between 00:15 and 02:15. The operation required specific qualifications and access. 7 suspects: Indira (undergraduate volunteer), Cedric (principal investigator), Galina (lab technician), Anand (equipment manager), Ula (visiting scientist), Akira (safety officer), Kalisa (clinical coordinator).

Q Who swapped the sealed reagent?

1. Cedric's witness sighting shows continuous presence in a separate building.
2. The sample tampering required a unique encryption signature traceable to internal-only training.
3. Akira had the qualifications but was on a flight during the window – third-party verified.
4. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Anand.
5. Three independent requirements: professional training, clean-room access access, and presence at the equipment closet during the 00:15-02:15 window.
6. Anand stated they left the building at 22:45, but the network authentication record shows their clean-room access active at 00:15.
7. Ula's clean-room access was revoked two weeks prior; archived access list confirms.
8. Anand has all three required qualifications.
9. Indira's freezer access log shows continuous presence in a separate building.
- 10 Kalisa was seen near the sample storage earlier that evening, but they had left the building by 21:00 and never returned.

Deduction Mysteries

CASE 03

A curator notebook was taken from the periodicals room of Saint-Clair Collection between 02:15 and 04:15. The operation required specific qualifications and access. 6 suspects: Kalisa (custodian), Kerensa (cataloger), Zinnia (reference librarian), Yvonne (visiting scholar), Marisol (research assistant), Bao (rare-books curator).

Q Who took the curator notebook?

1. Yvonne's witness patron shows continuous presence in a separate building.
2. Kalisa's archive badge was revoked two weeks prior; archived access list confirms.
3. Bao stated they left the building at 23:25, but the badge access record shows their archive badge active at 02:15.
4. Bao has all three required qualifications.
5. Three independent requirements: professional training, archive badge access, and presence at the periodicals room during the 02:15-04:15 window.
6. Marisol was at a documented hospital appointment during the window – verified by witness patron.
7. The theft required a digital certificate issued only to senior staff.
8. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Bao.
9. Kalisa was seen near the restoration room earlier that evening, but they had left the building by 21:15 and never returned.
- 10 Kerensa had the qualifications but was on a flight during the window – third-party verified.
- 11 Zinnia's archive badge was revoked two weeks prior; archived access list confirms.

CASE 04

An internal API key was extracted from the DevOps room of Atlas Cloud between 00:00 and 02:45. The operation required specific qualifications and access. 7 suspects: Xiomara (support lead), Saoirse (contractor), Gemma (senior engineer), Indira (site-reliability engineer), Enzo (data scientist), Omari (intern), Aaliyah (DevOps lead).

Q Who extracted the internal API key?

1. Enzo had the qualifications but was hospitalized during the window – third-party verified.
2. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Omari.
3. Three independent requirements: professional training, badge access, and presence at the DevOps room during the 00:00-02:45 window.
4. Gemma's badge swipe shows continuous presence in a separate building.
5. Omari has all three required qualifications.
6. Indira's badge was revoked two weeks prior; archived access list confirms.
7. Saoirse's badge was revoked two weeks prior; archived access list confirms.
8. Aaliyah lacks the required professional training – confirmed by personnel records.
9. Saoirse was seen near the SOC operations center earlier that evening, but they had left the building by 20:55 and never returned.
- 10 Omari stated they left the building at 23:50, but the network authentication record shows their badge active at 00:00.
- 11 The data theft required a custom-machined tool stocked only in equipment closet B.
- 12 Xiomara was at a documented hospital appointment during the window – verified by witness colleague.

Deduction Mysteries

CASE 05

The laptop with trade secrets were taken from the server room of Helix Corporation between 02:15 and 04:00. The operation required specific qualifications and access. 6 suspects: Stellan (CFO), Tariq (executive assistant), Hiroshi (intern), Lior (IT administrator), Enzo (senior engineer), Adrian (security officer).

Q Who took the laptop with trade secrets?

1. Tariq's security badge log shows continuous presence in a separate building.
2. Hiroshi lacks the required professional training – confirmed by personnel records.
3. Hiroshi was seen near the filing cabinet earlier that evening, but they had left the building by 20:00 and never returned.
4. Three independent requirements: professional training, employee badge access, and presence at the server room during the 02:15-04:00 window.
5. The corporate theft required a specific paint formulation only stocked in the restoration lab.
6. Stellan's door access record shows continuous presence in a separate building.
7. Enzo stated they left the building at 23:55, but the parking-lot camera shows their VPN access active at 02:15.
8. Adrian lacks the required professional training – confirmed by personnel records.
9. Lior lacks the required professional training – confirmed by personnel records.
- 10 Enzo has all three required qualifications.
- 11 A trace at the scene – a specific paint formulation only stocked in the restoration lab –

. matches inventory accessible only to Enzo.

A) Enzo

B) Adrian

C) Lior

D) Stellan

E) Hiroshi

F) Tariq

CASE 06

A signature dish recipe was taken from the outdoor patio of Pemberton Tavern between 03:45 and 05:30. The operation required specific qualifications and access. 7 suspects: Selene (bartender), Eitan (sommelier), Faye (pastry chef), Iolanthe (dishwasher), Gemma (head chef), Ronan (sous chef), Katarina (manager).

Q Who took the signature dish recipe?

1. Katarina was at a documented training during the window – verified by POS log.
2. Ronan had the qualifications but was hospitalized during the window – third-party verified.
3. Gemma had the qualifications but was on a flight during the window – third-party verified.
4. Faye stated they left the building at 22:10, but the network authentication record shows their master key active at 03:45.
5. Selene had the qualifications but was hospitalized during the window – third-party verified.
6. Iolanthe lacks the required professional expertise – confirmed by personnel records.
7. Katarina was seen near the prep kitchen earlier that evening, but they had left the building by 20:15 and never returned.
8. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Faye.
9. Faye has all three required qualifications.
- 10 Eitan had the qualifications but was on a flight during the window – third-party verified.
- 11 The theft required a custom-machined tool stocked only in equipment closet B.
- 12 Three independent requirements: professional expertise, manager key access, and presence at the outdoor patio during the 03:45-05:30 window.

Answer Key – Deduction Mysteries

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

Case 01 F) Oren

- ☑ Three requirements (professional expertise, administrator code, presence at the administration office during the 01:00-03:00 window) plus a technical trace narrow this case.
 - ☑ Kasper eliminated by alibi or missing qualification.
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Case 02 E) Anand

- ☑ Three requirements (professional training, clean-room access, presence at the equipment closet during the 00:15-02:15 window) plus a technical trace narrow this case.
 - ☑ Indira eliminated by alibi or missing qualification.
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Case 03 B) Bao

- ☑ Three requirements (professional training, archive badge, presence at the periodicals room during the 02:15-04:15 window) plus a technical trace narrow this case.
 - ☑ Kalisa eliminated by alibi or missing qualification.
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Case 04 F) Omari

- ☑ Three requirements (professional training, badge, presence at the DevOps room during the 00:00-02:45 window) plus a technical trace narrow this case.
 - ☑ Xiomara eliminated by alibi or missing qualification.
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Case 05 A) Enzo

- ☑ Three requirements (professional training, employee badge, presence at the server room 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 06 F) Faye

- ☑ Three requirements (professional expertise, manager key, presence at the outdoor patio during the 03:45-05:30 window) plus a technical trace narrow this case.
 - ☑ Selene eliminated by alibi or missing qualification.
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