

Deduction Mysteries

CASE 01

The board minutes were taken from the executive suite of Northgate Partners between 02:15 and 04:15. The operation required specific qualifications and access. 7 suspects: Mauro (facilities coordinator), Jules (IT administrator), Magnus (intern), Iolanthe (security officer), Rhys (records clerk), Mateo (HR director), Gunnar (executive assistant).

Q Who took the board minutes?

1. The corporate theft required a unique encryption signature traceable to internal-only training.
2. Three independent requirements: professional certification, employee badge access, and presence at the executive suite during the 02:15-04:15 window.
3. Mauro's VPN session log shows continuous presence in a separate building.
4. Iolanthe was seen near the executive suite earlier that evening, but they had left the building by 20:25 and never returned.
5. Jules's security badge log shows continuous presence in a separate building.
6. Rhys stated they left the building at 22:45, but the network authentication record shows their VPN access active at 02:15.
7. Mateo lacks the required professional certification – confirmed by personnel records.
8. Rhys has all three required qualifications.
9. Gunnar's employee badge was revoked two weeks prior; archived access list confirms.
- 10 A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Rhys.
- 11 Magnus had the qualifications but family was visiting during the window – third-party verified.
- 12 Iolanthe lacks the required professional certification – confirmed by personnel records.

CASE 02

A controlled medication was taken from the medication closet of Pemberton Medical between 00:00 and 02:30. The operation required specific qualifications and access. 7 suspects: Ronan (administrator), Hiroshi (technician), Stellan (janitor), Ula (social worker), Pavel (medical resident), Theo (head nurse), Anastasia (security officer).

Q Who took the controlled medication?

1. Stellan had the qualifications but was hospitalized during the window – third-party verified.
2. The theft required a custom-machined tool stocked only in equipment closet B.
3. Three independent requirements: professional training, administrator code access, and presence at the medication closet during the 00:00-02:30 window.
4. Anastasia lacks the required professional training – confirmed by personnel records.
5. Theo lacks the required professional training – confirmed by personnel records.
6. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Hiroshi.
7. Hiroshi stated they left the building at 23:40, but the network authentication record shows their restricted-wing access active at 00:00.
8. Ula's administrator code was revoked two weeks prior; archived access list confirms.
9. Ronan's elevator log shows continuous presence in a separate building.
- 10 Anastasia was seen near the medication closet earlier that evening, but they had left the building by 20:20 and never returned.
- 11 Pavel lacks the required professional training – confirmed by personnel records.
- 12 Hiroshi has all three required qualifications.

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CASE 03

A signed manuscript was taken from the rare books vault of Quartermaine Archive between 00:45 and 02:15. The operation required specific qualifications and access. 6 suspects: Cassia (volunteer), Olive (archivist), Hakim (custodian), Kiran (intern), Klaus (visiting scholar), Wren (cataloger).

Q Who took the signed manuscript?

1. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Kiran.
2. Hakim's security camera shows continuous presence in a separate building.
3. Hakim was seen near the reference desk earlier that evening, but they had left the building by 21:15 and never returned.
4. Kiran stated they left the building at 22:45, but the network authentication record shows their reading-room pass active at 00:45.
5. Kiran has all three required qualifications.
6. Wren's witness patron shows continuous presence in a separate building.
7. Three independent requirements: professional expertise, reading-room pass access, and presence at the rare books vault during the 00:45–02:15 window.
8. Olive's door sensor shows continuous presence in a separate building.
9. Klaus was at a documented conference during the window – verified by witness patron.
- 10 The theft required a specific paint formulation only stocked in the restoration lab.

11 Cassia had the qualifications but was on a flight during the window – third-party verified.

A) Olive

B) Cassia

C) Hakim

D) Wren

E) Klaus

F) Kiran

CASE 04

A SSL certificate was extracted from the testing lab of Helix Tech between 03:45 and 05:00. The operation required specific qualifications and access. 7 suspects: Magnus (senior engineer), Zephyr (DevOps lead), Diallo (site-reliability engineer), Kerensa (intern), Leander (CTO), Saoirse (contractor), Eira (support lead).

Q Who extracted the SSL certificate?

1. Eira had the qualifications but was on a flight during the window – third-party verified.
2. Leander lacks the required professional certification – confirmed by personnel records.
3. Three independent requirements: professional certification, VPN credentials access, and presence at the testing lab during the 03:45–05:00 window.
4. Zephyr lacks the required professional certification – confirmed by personnel records.
5. Diallo had the qualifications but was on a flight during the window – third-party verified.
6. The data theft required a specific paint formulation only stocked in the restoration lab.
7. Zephyr was seen near the network closet earlier that evening, but they had left the building by 20:20 and never returned.
8. Magnus has all three required qualifications.
9. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Magnus.
- 10 Magnus stated they left the building at 23:30, but the elevator log shows their MFA device active at 03:45.
- 11 Kerensa's VPN session log shows continuous presence in a separate building.
- 12 Saoirse lacks the required professional certification – confirmed by personnel records.

Deduction Mysteries

CASE 05

A restricted-area code was taken from the pharmacy of Saint-Clair Hospital between 01:45 and 03:30. The operation required specific qualifications and access. 6 suspects: Lior (security officer), Olive (medical resident), Quentin (volunteer), Bjorn (social worker), Meriel (pharmacist), Ula (administrator).

Q Who took the restricted-area code?

1. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Ula.
2. Lior's pharmacy key was revoked two weeks prior; archived access list confirms.
3. Three independent requirements: professional training, pharmacy key access, and presence at the pharmacy during the 01:45-03:30 window.
4. Meriel's pharmacy key was revoked two weeks prior; archived access list confirms.
5. Olive had the qualifications but family was visiting during the window – third-party verified.
6. Ula has all three required qualifications.
7. Bjorn had the qualifications but family was visiting during the window – third-party verified.
8. Lior was seen near the pharmacy earlier that evening, but they had left the building by 20:55 and never returned.
9. Ula stated they left the building at 23:30, but the badge access record shows their hospital badge active at 01:45.
- 10 The theft required a digital certificate issued only to senior staff.
- 11 Quentin had the qualifications but family was visiting during the window – third-party . verified.

CASE 06

A signed treaty was taken from the conservation room of Helix Heritage Foundation between 00:15 and 02:15. The operation required specific qualifications and access. 6 suspects: Nikolai (records administrator), Adrian (intern), Klaus (volunteer), Jules (administrator), Ulla (head archivist), Zinnia (conservation specialist).

Q Who took the signed treaty?

1. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Ulla.
2. Nikolai's camera footage shows continuous presence in a separate building.
3. Adrian's badge swipe shows continuous presence in a separate building.
4. The theft required a digital certificate issued only to senior staff.
5. Adrian was seen near the registration desk earlier that evening, but they had left the building by 21:25 and never returned.
6. Zinnia was at a documented conference during the window – verified by vault entry record.
7. Klaus lacks the required professional training – confirmed by personnel records.
8. Ulla stated they left the building at 23:35, but the network authentication record shows their admin code active at 00:15.
9. Three independent requirements: professional training, admin code access, and presence at the conservation room during the 00:15-02:15 window.
- 10 Ulla has all three required qualifications.
- 11 Jules had the qualifications but was on a flight during the window – third-party verified.

Answer Key – Deduction Mysteries

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

Case 01 A) Rhys

- ☑ Three requirements (professional certification, employee badge, presence at the executive suite during the 02:15-04:15 window) plus a technical trace narrow this case.
 - ☑ Mauro eliminated by alibi or missing qualification.
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Case 02 A) Hiroshi

- ☑ Three requirements (professional training, administrator code, presence at the medication closet during the 00:00-02:30 window) plus a technical trace narrow this case.
 - ☑ Ronan eliminated by alibi or missing qualification.
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Case 03 F) Kiran

- ☑ Three requirements (professional expertise, reading-room pass, presence at the rare books vault during the 00:45-02:15 window) plus a technical trace narrow this case.
 - ☑ Cassia eliminated by alibi or missing qualification.
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Case 04 C) Magnus

- ☑ Three requirements (professional certification, VPN credentials, presence at the testing lab during the 03:45-05:00 window) plus a technical trace narrow this case.
 - ☑ Zephyr eliminated by alibi or missing qualification.
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Case 05 B) Ula

- ☑ Three requirements (professional training, pharmacy key, presence at the pharmacy during the 01:45-03:30 window) plus a technical trace narrow this case.
 - ☑ Lior eliminated by alibi or missing qualification.
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Case 06 A) Ulla

- ☑ Three requirements (professional training, admin code, presence at the conservation room during the 00:15-02:15 window) plus a technical trace narrow this case.
 - ☑ Nikolai eliminated by alibi or missing qualification.
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