

Deduction Mysteries

CASE 01

A team trophy was taken from the locker room of Aldermarsh Arena between 03:30 and 05:30. The operation required specific qualifications and access. 6 suspects: Bayan (team statistician), Ronan (star player), Phaedra (head coach), Katarina (equipment manager), Jian (rookie player), Alejandro (facilities manager).

Q Who took the team trophy?

1. The theft required a specific paint formulation only stocked in the restoration lab.
2. Alejandro was at a documented training during the window – verified by witness teammate.
3. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Jian.
4. Three independent requirements: professional certification, team key access, and presence at the locker room during the 03:30-05:30 window.
5. Phaedra lacks the required professional certification – confirmed by personnel records.
6. Bayan's badge log shows continuous presence in a separate building.
7. Jian has all three required qualifications.
8. Ronan's witness teammate shows continuous presence in a separate building.
9. Katarina had the qualifications but family was visiting during the window – third-party verified.
- 10 Jian stated they left the building at 23:40, but the DHCP server log shows their locker code . active at 03:30.
- 11 Alejandro was seen near the training pool earlier that evening, but they had left the building . by 20:55 and never returned.

CASE 02

A strategy deck was taken from the data center of Quartermaine & Associates between 02:30 and 04:00. The operation required specific qualifications and access. 7 suspects: Anand (security officer), Mauro (CFO), Joaquin (senior engineer), Tomas (facilities coordinator), Ines (intern), Esme (IT administrator), Sigrid (HR director).

Q Who took the strategy deck?

1. Ines lacks the required professional expertise – confirmed by personnel records.
2. Tomas was seen near the filing cabinet earlier that evening, but they had left the building by 21:00 and never returned.
3. The corporate theft required a stamped seal serial number from a controlled supply closet.
4. Mauro stated they left the building at 22:25, but the door sensor history shows their VPN access active at 02:30.
5. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Mauro.
6. Joaquin had the qualifications but family was visiting during the window – third-party verified.
7. Three independent requirements: professional expertise, employee badge access, and presence at the data center during the 02:30-04:00 window.
8. Tomas's elevator log shows continuous presence in a separate building.
9. Anand's employee badge was revoked two weeks prior; archived access list confirms.
- 10 Sigrid's witness account shows continuous presence in a separate building.
- 11 Mauro has all three required qualifications.

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CASE 03

A controlled medication was taken from the blood bank of Helix Health Center between 01:15 and 03:00. The operation required specific qualifications and access. 6 suspects: Nadia (security officer), Mei (janitor), Hadley (technician), Amari (medical resident), Cyrus (volunteer), Simeon (head nurse).

Q Who took the controlled medication?

1. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Amari.
2. Hadley was at a documented hospital appointment during the window – verified by medication audit.
3. Simeon was seen near the operating theater earlier that evening, but they had left the building by 20:05 and never returned.
4. Three independent requirements: professional certification, hospital badge access, and presence at the blood bank during the 01:15-03:00 window.
5. Amari stated they left the building at 23:35, but the elevator log shows their pharmacy key active at 01:15.
6. The theft required a specific paint formulation only stocked in the restoration lab.
7. Simeon was at a documented hospital appointment during the window – verified by elevator log.
8. Nadia was at a documented hospital appointment during the window – verified by elevator log.
9. Mei's badge log shows continuous presence in a separate building.
10. Cyrus's elevator log shows continuous presence in a separate building.
11. Amari has all three required qualifications.

CASE 04

A sample vial was swapped from the sequencing room of Coriolis Institute between 03:30 and 05:00. The operation required specific qualifications and access. 6 suspects: Helena (postdoctoral researcher), Nadia (lab technician), Jacinta (graduate student), Indira (undergraduate volunteer), Aleksandr (equipment manager), Etienne (operations manager).

Q Who swapped the sample vial?

1. Helena has all three required qualifications.
2. The sample tampering required a custom-machined tool stocked only in equipment closet B.
3. Indira lacks the required professional training – confirmed by personnel records.
4. Jacinta lacks the required professional training – confirmed by personnel records.
5. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Helena.
6. Three independent requirements: professional training, lab badge access, and presence at the sequencing room during the 03:30-05:00 window.
7. Nadia had the qualifications but was on a flight during the window – third-party verified.
8. Etienne's clean-room entry log shows continuous presence in a separate building.
9. Helena stated they left the building at 23:15, but the door sensor history shows their biohazard clearance active at 03:30.
10. Indira was seen near the sequencing room earlier that evening, but they had left the building by 20:20 and never returned.
11. Aleksandr was at a documented hospital appointment during the window – verified by sample log.

Deduction Mysteries

CASE 05

An ancient scroll was taken from the loading dock of Brookfield Art Institute between 02:45 and 04:00. The operation required specific qualifications and access. 7 suspects: Hasan (janitor), Hakim (docent), Omari (archivist), Katarina (security guard), Etienne (night security), Ronan (curator), Mira (exhibition designer).

Q Who took the ancient scroll?

1. Mira has all three required qualifications.
2. Ronan's elevator log shows continuous presence in a separate building.
3. Etienne's motion sensor shows continuous presence in a separate building.
4. Mira stated they left the building at 22:25, but the parking-lot camera shows their keycard active at 02:45.
5. Katarina was seen near the curator office earlier that evening, but they had left the building by 21:25 and never returned.
6. Three independent requirements: professional certification, elevator access access, and presence at the loading dock during the 02:45-04:00 window.
7. Hasan lacks the required professional certification – confirmed by personnel records.
8. Katarina was at a documented hospital appointment during the window – verified by witness testimony.
9. The theft required a stamped seal serial number from a controlled supply closet.
- 10 Hakim was at a documented training during the window – verified by door sensor.
- 11 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches . inventory accessible only to Mira.

CASE 06

A signed agreement was taken from the CEO office of Cedarstone Inc between 03:45 and 05:30. The operation required specific qualifications and access. 7 suspects: Cosima (IT administrator), Helena (intern), Cedric (facilities coordinator), Priya (executive assistant), Mikael (security officer), Daphne (senior engineer), Enzo (HR director).

Q Who took the signed agreement?

1. Helena's admin credentials was revoked two weeks prior; archived access list confirms.
2. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Priya.
3. Three independent requirements: professional training, admin credentials access, and presence at the CEO office during the 03:45-05:30 window.
4. Priya has all three required qualifications.
5. Cosima's door access record shows continuous presence in a separate building.
6. Enzo lacks the required professional training – confirmed by personnel records.
7. Mikael's admin credentials was revoked two weeks prior; archived access list confirms.
8. Cedric was at a documented conference during the window – verified by elevator log.
9. Priya stated they left the building at 22:45, but the door sensor history shows their document-room code active at 03:45.
- 10 Daphne had the qualifications but family was visiting during the window – third-party verified.
- 11 The corporate theft required a stamped seal serial number from a controlled supply closet.
- 12 Cosima was seen near the server room earlier that evening, but they had left the building by . 21:50 and never returned.

Answer Key – Deduction Mysteries

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

Case 01 F) Jian

- ☑ Three requirements (professional certification, team key, presence at the locker room during the 03:30-05:30 window) plus a technical trace narrow this case.
 - ☑ Bayan eliminated by alibi or missing qualification.
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Case 02 F) Mauro

- ☑ Three requirements (professional expertise, employee badge, presence at the data center during the 02:30-04:00 window) plus a technical trace narrow this case.
 - ☑ Anand eliminated by alibi or missing qualification.
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Case 03 A) Amari

- ☑ Three requirements (professional certification, hospital badge, presence at the blood bank during the 01:15-03:00 window) plus a technical trace narrow this case.
 - ☑ Nadia eliminated by alibi or missing qualification.
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Case 04 B) Helena

- ☑ Three requirements (professional training, lab badge, presence at the sequencing room during the 03:30-05:00 window) plus a technical trace narrow this case.
 - ☑ Nadia eliminated by alibi or missing qualification.
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Case 05 E) Mira

- ☑ Three requirements (professional certification, elevator access, presence at the loading dock during the 02:45-04:00 window) plus a technical trace narrow this case.
 - ☑ Hasan eliminated by alibi or missing qualification.
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Case 06 A) Priya

- ☑ Three requirements (professional training, admin credentials, presence at the CEO office during the 03:45-05:30 window) plus a technical trace narrow this case.
- ☑ Cosima eliminated by alibi or missing qualification.