

Deduction Mysteries

CASE 01

A sports trophy was taken from the principal's office of Pemberton School between 13:30 and 15:45. The operation required technical training. Five people had any plausible connection: Hasan (secretary), Akira (student council president), Etienne (janitor), Selene (department head), Ronan (teacher).

Q Who took the sports trophy?

1. Hasan was documented by the attendance log in a different building during the window.
2. Etienne was at a scheduled external meeting during the window.
3. Selene's records-room badge was not used at any point during the window.
4. Selene was at the main office the entire window during the window.
5. Ronan's door sensor confirms they were at the remote facility from 13:30 to 15:45.
6. The theft required technical training – only Akira and Ronan have this among the five.
7. Akira claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
8. The principal's office is normally accessed only via staff key, and Akira's keypad code was used at 13:30.

CASE 02

The encryption keys were extracted from the executive suite of Northgate Systems between 15:20 and 18:10. The operation required expert knowledge of the system. Five people had any plausible connection: Jules (site-reliability engineer), Anastasia (security analyst), Kalinda (senior engineer), Alejandro (data scientist), Roksana (product manager).

Q Who extracted the encryption keys?

1. Anastasia claims to have been out for a long break during the window. No supporting evidence has been provided.
2. The data theft required expert knowledge of the system – only Anastasia and Roksana have this among the five.
3. Roksana's witness colleague confirms they were at the off-site location from 15:20 to 18:10.
4. The executive suite is normally accessed only via VPN credentials, and Anastasia's VPN credentials was used at 15:20.
5. Kalinda was at a scheduled training course during the window.
6. Alejandro was documented by the CCTV camera in a different building during the window.

CASE 03

A custom engine part was taken from the engine assembly area of Aldermarsh Auto Works between 13:00 and 16:15. The operation required specialized access privileges. Five people had any plausible connection: Xiomara (machinist), Ulla (parts clerk), Joren (electrician), Stellan (welder), Arjun (master mechanic).

Q Who took the custom engine part?

1. The theft required specialized access privileges – only Stellan and Arjun have this among the five.
2. Xiomara was documented by the time-clock log in a different building during the window.
3. Stellan claims to have been out for a long break during the window. No supporting evidence has been provided.
4. The engine assembly area is normally accessed only via parts-room code, and Stellan's manager key was used at 13:00.
5. Arjun's witness coworker confirms they were at the off-site location from 13:00 to 16:15.
6. Ulla was documented by the tool-checkout log in a different building during the window.
7. Joren was at a scheduled conference call during the window.

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CASE 04

A musical score was taken from the costume room of The Aldermarsh Theatre between 15:15 and 18:10. The operation required required certifications. Five people had any plausible connection: Dimah (lighting tech), Kai (director), Saoirse (understudy), Ezra (stagehand), Cedric (lead actor).

Q Who took the musical score?

1. The costume room is normally accessed only via prop-room code, and Cedric's backstage pass was used at 15:15.
2. Ezra was at a scheduled training course during the window.
3. Dimah was at a scheduled external meeting during the window.
4. Cedric claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. The theft required required certifications – only Cedric and Saoirse have this among the five.
6. Saoirse's dressing-room sign-in confirms they were at the remote facility from 15:15 to 18:10.
7. Kai was documented by the stage door camera in a different building during the window.

CASE 05

A strategy deck was taken from the server room of Meridian Capital between 15:30 and 17:15. The operation required authorized credentials. Five people had any plausible connection: Beatrix (senior engineer), Noor (CFO), Aurora (records clerk), Alejandro (executive assistant), Penelope (legal counsel).

Q Who took the strategy deck?

1. Noor was documented by the security badge log in a different building during the window.
2. Aurora's elevator log confirms they were at the external office from 15:30 to 17:15.
3. Beatrix was at a scheduled external meeting during the window.
4. The server room is normally accessed only via VPN access, and Alejandro's admin credentials was used at 15:30.
5. Penelope was at the main office the entire window during the window.
6. The corporate theft required authorized credentials – only Alejandro and Aurora have this among the five.
7. ~~Alejandro claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.~~

CASE 06

A customer credit-card list was extracted from the testing lab of Atlas Cloud between 16:45 and 19:00. The operation required expert knowledge of the system. Five people had any plausible connection: Omari (data scientist), Ginevra (senior engineer), Rhys (security analyst), Quincy (intern), Kasimir (CTO).

Q Who extracted the customer credit-card list?

1. Omari's VPN session log confirms they were at the off-site location from 16:45 to 19:00.
2. The data theft required expert knowledge of the system – only Omari and Quincy have this among the five.
3. Kasimir's VPN credentials was not used at any point during the window.
4. Ginevra was at the front desk the entire window during the window.
5. The testing lab is normally accessed only via MFA device, and Quincy's SSH key was used at 16:45.
6. Rhys was documented by the badge swipe in a different building during the window.
7. Kasimir was documented by the SSH authentication log in a different building during the window.

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CASE 07

A confidential memo was taken from the data center of Quartermaine & Associates between 15:15 and 17:15. The operation required authorized credentials. Five people had any plausible connection: Adrian (intern), Noor (executive assistant), Renata (records clerk), Kai (HR director), Ronan (senior engineer).

Q Who took the confidential memo?

1. The data center is normally accessed only via elevator key, and Ronan's admin credentials was used at 15:15.
2. The corporate theft required authorized credentials – only Ronan and Noor have this among the five.
3. Renata was at the external facility the entire window during the window.
4. Kai was at a scheduled conference call during the window.
5. Adrian was at the external facility the entire window during the window.
6. Noor's door access record confirms they were at the off-site location from 15:15 to 17:15.
7. Ronan claims to have been out for a long break during the window. No supporting evidence has been provided.

CASE 08

The clinical trial samples were taken from the operating theater of Aldermarsh Clinic between 14:20 and 16:30. The operation required authorized credentials. Five people had any plausible connection: Yara (head nurse), Mei (janitor), Vidal (administrator), Kasper (technician), Talia (attending physician).

Q Who took the clinical trial samples?

1. The theft required authorized credentials – only Vidal and Kasper have this among the five.
2. The operating theater is normally accessed only via administrator code, and Kasper's restricted-wing access was used at 14:20.
3. Vidal's witness staff confirms they were at the off-site location from 14:20 to 16:30.
4. Mei's hospital badge was not used at any point during the window.
5. Talia was at the main office the entire window during the window.
6. Kasper claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
7. Yara was documented by the door sensor in a different building during the window.

CASE 09

A signed manuscript was taken from the curator office of Brookfield Art Institute between 14:15 and 16:45. The operation required expert knowledge of the system. Five people had any plausible connection: Nizar (art restorer), Beatrix (docent), Stellan (gift shop manager), Cosima (archivist), Mei (security guard).

Q Who took the signed manuscript?

1. Nizar claims to have been out for a long break during the window. No supporting evidence has been provided.
2. Mei's witness testimony confirms they were at the external office from 14:15 to 16:45.
3. Cosima was documented by the security camera in a different building during the window.
4. Stellan was documented by the witness testimony in a different building during the window.
5. The curator office is normally accessed only via vault combination, and Nizar's elevator access was used at 14:15.
6. Beatrix was at a scheduled training course during the window.
7. The theft required expert knowledge of the system – only Nizar and Mei have this among the five.

Answer Key – Deduction Mysteries

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

Case 01 A) Akira

- ☐ The theft required technical training.
 - ☐ Hasan lacks the required skill – cleared.
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Case 02 E) Anastasia

- ☐ The data theft required expert knowledge of the system.
 - ☐ Jules lacks the required skill – cleared.
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Case 03 B) Stellan

- ☐ The theft required specialized access privileges.
 - ☐ Xiomara lacks the required skill – cleared.
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Case 04 E) Cedric

- ☐ The theft required required certifications.
 - ☐ Dimah lacks the required skill – cleared.
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Case 05 A) Alejandro

- ☐ The corporate theft required authorized credentials.
 - ☐ Beatrix lacks the required skill – cleared.
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Case 06 D) Quincy

- ☐ The data theft required expert knowledge of the system.
 - ☐ Ginevra lacks the required skill – cleared.
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Case 07 B) Ronan

- ☐ The corporate theft required authorized credentials.
 - ☐ Adrian lacks the required skill – cleared.
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Case 08 C) Kasper

- ☐ The theft required authorized credentials.
 - ☐ Yara lacks the required skill – cleared.
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Case 09 E) Nizar

- ☐ The theft required expert knowledge of the system.
- ☐ Beatrix lacks the required skill – cleared.