

Deduction Mysteries

CASE 01

An archive password log was taken from the reading room of Aldermarsh Library between 14:20 and 16:00. The operation required required certifications. Five people had any plausible connection: Etienne (intern), Tariq (cataloger), Ishaan (reference librarian), Ilya (head librarian), Mikael (archivist).

Q Who took the archive password log?

1. Tariq's archive badge was not used at any point during the window.
2. The reading room is normally accessed only via reading-room pass, and Ilya's staff key was used at 14:20.
3. Tariq was documented by the witness patron in a different building during the window.
4. Mikael's security camera confirms they were at the remote facility from 14:20 to 16:00.
5. Etienne was at the main office the entire window during the window.
6. Ishaan was at the front desk the entire window during the window.
7. Ilya claims to have been out for a long break during the window. No supporting evidence has been provided.

CASE 02

The master plans were taken from the engine assembly area of Brightline Industrial between 13:30 and 15:00. The operation required specialized access privileges. Five people had any plausible connection: Quincy (machinist), Arjun (master mechanic), Fariha (apprentice), Adrian (welder), Yvonne (painter).

Q Who took the master plans?

1. The engine assembly area is normally accessed only via shop key, and Arjun's parts-room code was used at 13:30.
2. Quincy's manager key was not used at any point during the window.
3. Yvonne was at a scheduled conference call during the window.
4. Quincy was documented by the tool-checkout log in a different building during the window.
5. Adrian's parts-room audit confirms they were at the off-site location from 13:30 to 15:00.
6. The theft required specialized access privileges – only Arjun and Adrian have this among the five.
7. Fariha was documented by the door sensor in a different building during the window.

CASE 03

A restricted-area code was taken from the pharmacy of Pemberton Medical between 14:15 and 16:00. The operation required authorized credentials. Five people had any plausible connection: Nikolai (technician), Tess (medical resident), Zinnia (pharmacist), Emiko (janitor), Florian (administrator).

Q Who took the restricted-area code?

1. Zinnia was at a scheduled external meeting during the window.
2. Tess's elevator log confirms they were at the external office from 14:15 to 16:00.
3. Emiko was at a scheduled training course during the window.
4. Florian claims to have been out for a long break during the window. No supporting evidence has been provided.
5. The pharmacy is normally accessed only via hospital badge, and Florian's administrator code was used at 14:15.
6. The theft required authorized credentials – only Tess and Florian have this among the five.
7. Nikolai's restricted-wing access was not used at any point during the window.

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CASE 04

A sequencing chip was swapped from the PI office of Helix Bioresearch between 14:00 and 17:10. The operation required required certifications. Five people had any plausible connection: Tomas (operations manager), Kerensa (graduate student), Juno (lab technician), Dimah (principal investigator), Indira (safety officer).

Q Who swapped the sequencing chip?

1. Dimah claims to have been out for a long break during the window. No supporting evidence has been provided.
2. Tomas's badge swipe confirms they were at the off-site location from 14:00 to 17:10.
3. Indira was at the main office the entire window during the window.
4. Kerensa was at a scheduled external meeting during the window.
5. The sample tampering required required certifications – only Dimah and Tomas have this among the five.
6. Juno was at a scheduled training course during the window.
7. The PI office is normally accessed only via clean-room access, and Dimah's clean-room access was used at 14:00.

CASE 05

A signed treaty was taken from the administrator office of Northgate Estate Archive between 14:30 and 17:10. The operation required specialized access privileges. Five people had any plausible connection: Jules (administrator), Fenella (security officer), Iolanthe (genealogist), Bayan (intern), Ramona (records administrator).

Q Who took the signed treaty?

1. Iolanthe was documented by the vault entry record in a different building during the window.
2. Jules was at a scheduled training course during the window.
3. The administrator office is normally accessed only via vault key, and Ramona's research-room pass was used at 14:30.
4. Fenella's camera footage confirms they were at the remote facility from 14:30 to 17:10.
5. Ramona claims to have been out for a long break during the window. No supporting evidence has been provided.
6. The theft required specialized access privileges – only Ramona and Fenella have this among the five.
7. Bayan was at the external facility the entire window during the window.

CASE 06

The board minutes were taken from the records vault of Brightline Holdings between 15:40 and 17:30. The operation required expert knowledge of the system. Five people had any plausible connection: Tarek (intern), Joaquin (HR director), Isolde (senior engineer), Sora (executive assistant), Anastasia (facilities coordinator).

Q Who took the board minutes?

1. Isolde was at the external facility the entire window during the window.
2. Joaquin was at a scheduled training course during the window.
3. The corporate theft required expert knowledge of the system – only Sora and Anastasia have this among the five.
4. The records vault is normally accessed only via admin credentials, and Anastasia's employee badge was used at 15:40.
5. Sora's VPN session log confirms they were at the remote facility from 15:40 to 17:30.
6. Anastasia claims to have been working alone in their office during the window. No supporting evidence has been provided.

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CASE 07

The sealed wills were taken from the administrator office of Northgate Estate Archive between 14:45 and 16:30. The operation required authorized credentials. Five people had any plausible connection: Penelope (clerk), Phaedra (security officer), Bao (records administrator), Katarina (genealogist), Kenji (conservation specialist).

Q Who took the sealed wills?

1. The theft required authorized credentials – only Penelope and Bao have this among the five.
2. Katarina was at the external facility the entire window during the window.
3. The administrator office is normally accessed only via archive badge, and Bao's vault key was used at 14:45.
4. Penelope's badge swipe confirms they were at the external office from 14:45 to 16:30.
5. Bao claims to have been working alone in their office during the window. No supporting evidence has been provided.
6. Phaedra was at the main office the entire window during the window.
7. Kenji was documented by the vault entry record in a different building during the window.

CASE 08

A register cash was taken from the staff break room of Northgate Grill between 13:30 and 15:10. The operation required specialized access privileges. Five people had any plausible connection: Ramona (host), Phaedra (sommelier), Cosima (bartender), Vera (sous chef), Zephyr (manager).

Q Who took the register cash?

1. Vera's master key was not used at any point during the window.
2. Vera was at the external facility the entire window during the window.
3. Cosima was at the front desk the entire window during the window.
4. The staff break room is normally accessed only via master key, and Zephyr's manager key was used at 13:30.
5. Zephyr claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
6. Ramona's front-of-house camera confirms they were at the external office from 13:30 to 15:10.
7. Phaedra was documented by the front-of-house camera in a different building during the window.

CASE 09

A sealed reagent was swapped from the autoclave room of Caelum Labs between 16:00 and 19:10. The operation required specialized access privileges. Five people had any plausible connection: Bram (principal investigator), Alejandro (operations manager), Nikolai (lab technician), Amari (graduate student), Jacinta (visiting scientist).

Q Who swapped the sealed reagent?

1. The autoclave room is normally accessed only via lab badge, and Amari's biohazard clearance was used at 16:00.
2. Nikolai was at the front desk the entire window during the window.
3. Jacinta's biohazard clearance was not used at any point during the window.
4. The sample tampering required specialized access privileges – only Bram and Amari have this among the five.
5. Jacinta was documented by the clean-room entry log in a different building during the window.
6. Bram's witness sighting confirms they were at the external office from 16:00 to 19:10.
7. Alejandro was at a scheduled training course during the window.

Answer Key – Deduction Mysteries

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

Case 01 D) Ilya

- ❑ The theft required required certifications.
 - ❑ Etienne lacks the required skill – cleared.
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Case 02 B) Arjun

- ❑ The theft required specialized access privileges.
 - ❑ Quincy lacks the required skill – cleared.
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Case 03 A) Florian

- ❑ The theft required authorized credentials.
 - ❑ Nikolai lacks the required skill – cleared.
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Case 04 A) Dimah

- ❑ The sample tampering required required certifications.
 - ❑ Kerensa lacks the required skill – cleared.
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Case 05 B) Ramona

- ❑ The theft required specialized access privileges.
 - ❑ Jules lacks the required skill – cleared.
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Case 06 A) Anastasia

- ❑ The corporate theft required expert knowledge of the system.
 - ❑ Tarek lacks the required skill – cleared.
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Case 07 A) Bao

- ❑ The theft required authorized credentials.
 - ❑ Phaedra lacks the required skill – cleared.
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Case 08 E) Zephyr

- ❑ The theft required specialized access privileges.
 - ❑ Phaedra lacks the required skill – cleared.
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Case 09 C) Amari

- ❑ The sample tampering required specialized access privileges.
 - ❑ Alejandro lacks the required skill – cleared.
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