

Deduction Mysteries

CASE 01

A source code repository was extracted from the testing lab of Helix Tech between 14:30 and 16:15. The operation required authorized credentials. Five people had any plausible connection: Suri (support lead), Zara (DevOps lead), Hiroshi (data scientist), Wren (CTO), Bayan (senior engineer).

Q Who extracted the source code repository?

1. Suri was at a scheduled conference call during the window.
2. Wren's MFA device was not used at any point during the window.
3. The testing lab is normally accessed only via admin token, and Zara's badge was used at 14:30.
4. The data theft required authorized credentials – only Hiroshi and Zara have this among the five.
5. Bayan was at the front desk the entire window during the window.
6. Zara claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
7. Hiroshi's witness colleague confirms they were at the remote facility from 14:30 to 16:15.
8. Wren was at a scheduled external meeting during the window.

CASE 02

A rare coin set was taken from the climate-controlled vault of Pemberton Wing between 15:20 and 17:00. The operation required expert knowledge of the system. Five people had any plausible connection: Cyrus (exhibition designer), Theo (archivist), Suri (curator), Bayan (security guard), Alejandro (docent).

Q Who took the rare coin set?

1. Alejandro was at the front desk the entire window during the window.
2. Theo claims to have been out for a long break during the window. No supporting evidence has been provided.
3. Alejandro's master key was not used at any point during the window.
4. The climate-controlled vault is normally accessed only via master key, and Theo's elevator access was used at 15:20.
5. The theft required expert knowledge of the system – only Theo and Bayan have this among the five.
6. Bayan's elevator log confirms they were at the remote facility from 15:20 to 17:00.
7. Cyrus was at the front desk the entire window during the window.

CASE 03

A rare first edition was taken from the curator office of Helix Reading Room between 14:30 and 17:30. The operation required expert knowledge of the system. Five people had any plausible connection: Ines (visiting scholar), Beatrix (intern), Xanthe (archivist), Anastasia (research assistant), Kalinda (rare-books curator).

Q Who took the rare first edition?

1. The theft required expert knowledge of the system – only Kalinda and Ines have this among the five.
2. Xanthe's vault key was not used at any point during the window.
3. Ines claims to have been out for a long break during the window. No supporting evidence has been provided.
4. The curator office is normally accessed only via staff key, and Ines's archive badge was used at 14:30.
5. Beatrix was at a scheduled training course during the window.
6. Xanthe was documented by the book-checkout record in a different building during the window.
7. Kalinda's archive log confirms they were at the external office from 14:30 to 17:30.

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CASE 04

The pharmacy keys were taken from the medication closet of Pemberton Medical between 15:10 and 18:10. The operation required authorized credentials. Five people had any plausible connection: Maeve (technician), Mei (volunteer), Cyrus (medical resident), Finnegan (security officer), Adrian (head nurse).

Q Who took the pharmacy keys?

1. The medication closet is normally accessed only via hospital badge, and Cyrus's hospital badge was used at 15:10.
2. Adrian's elevator log confirms they were at the external office from 15:10 to 18:10.
3. Finnegan was at a scheduled conference call during the window.
4. Cyrus claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. Maeve was documented by the door sensor in a different building during the window.
6. Mei was at a scheduled conference call during the window.
7. The theft required authorized credentials – only Adrian and Cyrus have this among the five.

CASE 05

A confidential memo was taken from the CEO office of Velocity Labs between 14:10 and 16:15. The operation required authorized credentials. Five people had any plausible connection: Xanthe (executive assistant), Hadley (legal counsel), Anastasia (CFO), Hasan (intern), Nizar (senior engineer).

Q Who took the confidential memo?

1. Nizar was at a scheduled conference call during the window.
2. The CEO office is normally accessed only via VPN access, and Anastasia's employee badge was used at 14:10.
3. Anastasia claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. The corporate theft required authorized credentials – only Xanthe and Anastasia have this among the five.
5. Hasan was documented by the printer log in a different building during the window.
6. Xanthe's elevator log confirms they were at the external office from 14:10 to 16:15.

CASE 06

A VIP patient file was taken from the staff lounge of Pemberton Medical between 14:15 and 17:10. The operation required authorized credentials. Five people had any plausible connection: Tarek (janitor), Magnus (head nurse), Faye (technician), Mateo (medical resident), Caelan (social worker).

Q Who took the VIP patient file?

1. Caelan was at the main office the entire window during the window.
2. Mateo's administrator code was not used at any point during the window.
3. Magnus was documented by the elevator log in a different building during the window.
4. Mateo was at a scheduled external meeting during the window.
5. Faye claims to have been working alone in their office during the window. No supporting evidence has been provided.
6. The staff lounge is normally accessed only via administrator code, and Faye's restricted-wing access was used at 14:15.
7. The theft required authorized credentials – only Tarek and Faye have this among the five.

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CASE 07

A signed treaty was taken from the storage basement of Saint-Clair Historical Society between 13:45 and 15:30. The operation required technical training. Five people had any plausible connection: Caelan (head archivist), Alessio (volunteer), Akhil (genealogist), Aaliyah (intern), Quincy (records administrator).

Q Who took the signed treaty?

1. Aaliyah claims to have been out for a long break during the window. No supporting evidence has been provided.
2. The theft required technical training – only Aaliyah and Alessio have this among the five.
3. Akhil's vault key was not used at any point during the window.
4. The storage basement is normally accessed only via research-room pass, and Aaliyah's vault key was used at 13:45.
5. Alessio's archive log confirms they were at the off-site location from 13:45 to 15:30.
6. Caelan was documented by the camera footage in a different building during the window.
7. Quincy was at the front desk the entire window during the window.

CASE 08

A machine shop key set was taken from the manager's office of Aldermarsh Auto Works between 15:30 and 18:30. The operation required authorized credentials. Five people had any plausible connection: Kasimir (welder), Oren (parts clerk), Ezra (electrician), Wilder (apprentice), Noor (painter).

Q Who took the machine shop key set?

1. Noor was at a scheduled external meeting during the window.
2. The theft required authorized credentials – only Ezra and Kasimir have this among the five.
3. The manager's office is normally accessed only via manager key, and Ezra's manager key was used at 15:30.
4. Oren was documented by the witness coworker in a different building during the window.
5. Kasimir's parts-room audit confirms they were at the remote facility from 15:30 to 18:30.
6. Wilder was documented by the door sensor in a different building during the window.
7. Ezra claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

CASE 09

The tip jar contents were taken from the walk-in cooler of Aldermarsh Bistro between 14:40 and 17:30. The operation required authorized credentials. Five people had any plausible connection: Tarek (line cook), Amari (host), Sigrid (server), Theo (bartender), Octavia (dishwasher).

Q Who took the tip jar contents?

1. Octavia was at the front desk the entire window during the window.
2. Tarek's kitchen camera confirms they were at the remote facility from 14:40 to 17:30.
3. The theft required authorized credentials – only Sigrid and Tarek have this among the five.
4. Sigrid claims to have been out for a long break during the window. No supporting evidence has been provided.
5. Amari was documented by the front-of-house camera in a different building during the window.
6. Theo was at the front desk the entire window during the window.
7. The walk-in cooler is normally accessed only via cellar key, and Sigrid's cellar key was used at 14:40.

Answer Key – Deduction Mysteries

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

Case 01 D) Zara

- ☒ The data theft required authorized credentials.
 - ☒ Suri lacks the required skill – cleared.
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Case 02 C) Theo

- ☒ The theft required expert knowledge of the system.
 - ☒ Cyrus lacks the required skill – cleared.
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Case 03 E) Ines

- ☒ The theft required expert knowledge of the system.
 - ☒ Beatrix lacks the required skill – cleared.
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Case 04 D) Cyrus

- ☒ The theft required authorized credentials.
 - ☒ Maeve lacks the required skill – cleared.
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Case 05 C) Anastasia

- ☒ The corporate theft required authorized credentials.
 - ☒ Hadley lacks the required skill – cleared.
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Case 06 E) Faye

- ☒ The theft required authorized credentials.
 - ☒ Magnus lacks the required skill – cleared.
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Case 07 C) Aaliyah

- ☒ The theft required technical training.
 - ☒ Caelan lacks the required skill – cleared.
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Case 08 A) Ezra

- ☒ The theft required authorized credentials.
 - ☒ Oren lacks the required skill – cleared.
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Case 09 A) Sigrid

- ☒ The theft required authorized credentials.
 - ☒ Amari lacks the required skill – cleared.
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