

## Deduction Mysteries

### CASE 01

The admin credentials were extracted from the testing lab of Brightline Software between 15:40 and 17:15. The operation required authorized credentials. Five people had any plausible connection: Hadley (support lead), Mauro (site-reliability engineer), Yvonne (product manager), Suri (contractor), Oren (intern).

#### Q Who extracted the admin credentials?

1. Suri was at a scheduled training course during the window.
2. The data theft required authorized credentials – only Oren and Hadley have this among the five.
3. The testing lab is normally accessed only via MFA device, and Hadley's SSH key was used at 15:40.
4. Hadley claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. Yvonne was at a scheduled training course during the window.
6. Yvonne's SSH key was not used at any point during the window.
7. Oren's witness colleague confirms they were at the remote facility from 15:40 to 17:15.
8. Mauro was documented by the SSH authentication log in a different building during the window.

### CASE 02

A sealed wine bottle was taken from the walk-in cooler of Quartermaine's between 15:30 and 17:10. The operation required required certifications. Five people had any plausible connection: Mateo (manager), Hattie (dishwasher), Lana (server), Marisol (line cook), Saoirse (bartender).

#### Q Who took the sealed wine bottle?

1. Marisol's front-of-house camera confirms they were at the off-site location from 15:30 to 17:10.
2. Hattie was at a scheduled conference call during the window.
3. Mateo claims to have been out for a long break during the window. No supporting evidence has been provided.
4. Saoirse was at a scheduled conference call during the window.
5. The theft required required certifications – only Mateo and Marisol have this among the five.
6. Lana was documented by the kitchen camera in a different building during the window.
7. The walk-in cooler is normally accessed only via manager key, and Mateo's register code was used at 15:30.

### CASE 03

A wine collection inventory was taken from the staff break room of Quartermaine's between 13:40 and 16:10. The operation required authorized credentials. Five people had any plausible connection: Thora (pastry chef), Renata (server), Fariha (head chef), Nizar (sous chef), Beatrix (host).

#### Q Who took the wine collection inventory?

1. Thora's register code was not used at any point during the window.
2. Nizar claims to have been working alone in their office during the window. No supporting evidence has been provided.
3. Thora was at the main office the entire window during the window.
4. The theft required authorized credentials – only Nizar and Beatrix have this among the five.
5. Beatrix's front-of-house camera confirms they were at the external office from 13:40 to 16:10.
6. Fariha was at the external facility the entire window during the window.
7. Renata was documented by the time-clock record in a different building during the window.

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### CASE 04

The director's notes were taken from the sound booth of Pemberton Opera House between 16:10 and 18:10. The operation required technical training. Five people had any plausible connection: Xiomara (lighting tech), Kiran (stage manager), Olive (prop master), Diallo (director), Alejandro (costume designer).

#### Q Who took the director's notes?

1. Alejandro's rehearsal sign-in confirms they were at the off-site location from 16:10 to 18:10.
2. Diallo claims to have been out for a long break during the window. No supporting evidence has been provided.
3. Olive was at the front desk the entire window during the window.
4. The theft required technical training – only Diallo and Alejandro have this among the five.
5. Xiomara was documented by the box-office system in a different building during the window.
6. Kiran was at the external facility the entire window during the window.
7. The sound booth is normally accessed only via prop-room code, and Diallo's prop-room code was used at 16:10.

### CASE 05

A grading book was taken from the library archive of Brierfield Prep between 16:40 and 19:15. The operation required required certifications. Five people had any plausible connection: Vidal (school counselor), Alessio (student council president), Nadia (librarian), Roksana (department head), Kalinda (teacher).

#### Q Who took the grading book?

1. The theft required required certifications – only Alessio and Kalinda have this among the five.
2. Nadia was at the front desk the entire window during the window.
3. Vidal was at the front desk the entire window during the window.
4. The library archive is normally accessed only via master key, and Alessio's keypad code was used at 16:40.
5. Kalinda's printer log confirms they were at the off-site location from 16:40 to 19:15.
6. Alessio claims to have been working alone in their office during the window. No supporting evidence has been provided.
7. Roksana was at the main office the entire window during the window.

### CASE 06

An illuminated codex was taken from the staff workroom of Pemberton Research Library between 14:45 and 17:45. The operation required specialized access privileges. Five people had any plausible connection: Thora (archivist), Nadia (reference librarian), Klaus (head librarian), Simeon (intern), Aurora (visiting scholar).

#### Q Who took the illuminated codex?

1. Thora was at a scheduled training course during the window.
2. Aurora was at a scheduled external meeting during the window.
3. Thora's staff key was not used at any point during the window.
4. Simeon claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. Nadia was at a scheduled training course during the window.
6. The theft required specialized access privileges – only Klaus and Simeon have this among the five.
7. Klaus's badge swipe confirms they were at the remote facility from 14:45 to 17:45.

## Deduction Mysteries

### CASE 07

The laptop with trade secrets were taken from the document destruction room of Helix Corporation between 13:15 and 15:45. The operation required authorized credentials. Five people had any plausible connection: Ezra (security officer), Cassia (facilities coordinator), Jian (legal counsel), Hiroshi (intern), Aleksandr (IT administrator).

#### Q Who took the laptop with trade secrets?

1. Cassia was at a scheduled training course during the window.
2. Jian claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
3. Ezra's VPN session log confirms they were at the external office from 13:15 to 15:45.
4. The corporate theft required authorized credentials – only Jian and Ezra have this among the five.
5. Hiroshi was at the front desk the entire window during the window.
6. Hiroshi's employee badge was not used at any point during the window.
7. Aleksandr was documented by the elevator log in a different building during the window.
8. The document destruction room is normally accessed only via elevator key, and Jian's employee badge was used at 13:15.

### CASE 08

A medical equipment was taken from the blood bank of Pemberton Medical between 13:40 and 15:45. The operation required specialized access privileges. Five people had any plausible connection: Meriel (attending physician), Kalisa (janitor), Jacinta (technician), Anand (social worker), Yusuf (security officer).

#### Q Who took the medical equipment?

1. The blood bank is normally accessed only via administrator code, and Kalisa's hospital badge was used at 13:40.
2. Jacinta was at the external facility the entire window during the window.
3. Yusuf's medication audit confirms they were at the external office from 13:40 to 15:45.
4. Anand was at the main office the entire window during the window.
5. The theft required specialized access privileges – only Yusuf and Kalisa have this among the five.
6. Jacinta's hospital badge was not used at any point during the window.
7. Meriel was documented by the elevator log in a different building during the window.

### CASE 09

A grading book was taken from the science lab of Westbrook Academy between 16:30 and 18:15. The operation required technical training. Five people had any plausible connection: Sami (librarian), Enzo (school counselor), Gisela (coach), Cosima (substitute teacher), Beatrix (department head).

#### Q Who took the grading book?

1. Cosima claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
2. Sami was documented by the hallway camera in a different building during the window.
3. Enzo's records-room badge was not used at any point during the window.
4. The science lab is normally accessed only via master key, and Cosima's keypad code was used at 16:30.
5. Enzo was at a scheduled training course during the window.
6. Gisela was at the main office the entire window during the window.
7. Beatrix's attendance log confirms they were at the external office from 16:30 to 18:15.

## Answer Key – Deduction Mysteries

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

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### Case 01 A) Hadley

- ☒ The data theft required authorized credentials.
  - ☒ Mauro lacks the required skill – cleared.
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### Case 02 B) Mateo

- ☒ The theft required required certifications.
  - ☒ Hattie lacks the required skill – cleared.
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### Case 03 D) Nizar

- ☒ The theft required authorized credentials.
  - ☒ Thora lacks the required skill – cleared.
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### Case 04 B) Diallo

- ☒ The theft required technical training.
  - ☒ Xiomara lacks the required skill – cleared.
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### Case 05 E) Alessio

- ☒ The theft required required certifications.
  - ☒ Vidal lacks the required skill – cleared.
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### Case 06 E) Simeon

- ☒ The theft required specialized access privileges.
  - ☒ Thora lacks the required skill – cleared.
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### Case 07 C) Jian

- ☒ The corporate theft required authorized credentials.
  - ☒ Cassia lacks the required skill – cleared.
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### Case 08 A) Kalisa

- ☒ The theft required specialized access privileges.
  - ☒ Meriel lacks the required skill – cleared.
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### Case 09 A) Cosima

- ☒ The theft required technical training.
  - ☒ Sami lacks the required skill – cleared.
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