

Deduction Mysteries

CASE 01

A lead actor's costume was taken from the rehearsal hall of Pemberton Opera House between 15:30 and 17:45. The operation required technical training. Five people had any plausible connection: Hasan (understudy), Amari (lead actor), Ramona (lighting tech), Sigrid (director), Xanthe (costume designer).

Q Who took the lead actor's costume?

1. Amari was at the front desk the entire window during the window.
2. Ramona's dressing-room sign-in confirms they were at the external office from 15:30 to 17:45.
3. Sigrid claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. The rehearsal hall is normally accessed only via prop-room code, and Sigrid's backstage pass was used at 15:30.
5. Hasan was documented by the stage door camera in a different building during the window.
6. The theft required technical training – only Ramona and Sigrid have this among the five.
7. Xanthe was documented by the stage door camera in a different building during the window.

CASE 02

A birth certificate was taken from the registration desk of City Records Office between 13:00 and 16:10. The operation required technical training. Five people had any plausible connection: Hakim (volunteer), Daphne (administrator), Faye (conservation specialist), Hasan (security officer), Ronan (intern).

Q Who took the birth certificate?

1. Daphne was documented by the badge swipe in a different building during the window.
2. The theft required technical training – only Faye and Ronan have this among the five.
3. Hakim was at a scheduled conference call during the window.
4. The registration desk is normally accessed only via archive badge, and Ronan's archive badge was used at 13:00.
5. Faye's badge swipe confirms they were at the external office from 13:00 to 16:10.
6. Hasan was at the front desk the entire window during the window.
7. Ronan claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

CASE 03

A client database was taken from the data center of Brightline Holdings between 14:10 and 16:00. The operation required authorized credentials. Five people had any plausible connection: Kasper (facilities coordinator), Zephyr (IT administrator), Anastasia (legal counsel), Phaedra (security officer), Ilya (CFO).

Q Who took the client database?

1. Anastasia was at the main office the entire window during the window.
2. Ilya claims to have been out for a long break during the window. No supporting evidence has been provided.
3. Zephyr was at a scheduled training course during the window.
4. Kasper was at the front desk the entire window during the window.
5. The corporate theft required authorized credentials – only Ilya and Phaedra have this among the five.
6. Phaedra's printer log confirms they were at the off-site location from 14:10 to 16:00.
7. The data center is normally accessed only via elevator key, and Ilya's employee badge was used at 14:10.

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CASE 04

A genealogy register was taken from the registration desk of Helix Heritage Foundation between 13:15 and 15:45. The operation required authorized credentials. Five people had any plausible connection: Fenella (genealogist), Selene (conservation specialist), Renata (head archivist), Olive (administrator), Talia (researcher).

Q Who took the genealogy register?

1. Olive claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
2. Talia was documented by the vault entry record in a different building during the window.
3. Renata's reading-room sign-in confirms they were at the off-site location from 13:15 to 15:45.
4. The theft required authorized credentials – only Renata and Olive have this among the five.
5. Selene was at the external facility the entire window during the window.
6. The registration desk is normally accessed only via research-room pass, and Olive's vault key was used at 13:15.
7. Fenella was at a scheduled external meeting during the window.

CASE 05

A rare ingredient was taken from the dining floor of Northgate Grill between 16:10 and 18:30. The operation required technical training. Five people had any plausible connection: Elspeth (bartender), Akira (server), Priya (pastry chef), Katarina (host), Zephyr (manager).

Q Who took the rare ingredient?

1. Katarina's POS log confirms they were at the off-site location from 16:10 to 18:30.
2. The dining floor is normally accessed only via cellar key, and Zephyr's master key was used at 16:10.
3. Zephyr claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. Elspeth was at a scheduled training course during the window.
5. The theft required technical training – only Katarina and Zephyr have this among the five.
6. Priya was documented by the POS log in a different building during the window.

7. Akira was at the main office the entire window during the window.

A) Akira

B) Zephyr

C) Elspeth

D) Priya

E) Katarina

CASE 06

The title transfer documents were taken from the research area of Saint-Clair Historical Society between 13:30 and 16:00. The operation required authorized credentials. Five people had any plausible connection: Zephyr (researcher), Gunnar (volunteer), Caelan (genealogist), Alessio (intern), Joren (records administrator).

Q Who took the title transfer documents?

1. Gunnar claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
2. The research area is normally accessed only via research-room pass, and Gunnar's research-room pass was used at 13:30.
3. Alessio was at the external facility the entire window during the window.
4. Caelan was at the front desk the entire window during the window.
5. The theft required authorized credentials – only Joren and Gunnar have this among the five.
6. Joren's witness patron confirms they were at the remote facility from 13:30 to 16:00.
7. Zephyr was documented by the witness patron in a different building during the window.

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CASE 07

A sequencing chip was swapped from the cold-storage freezer of Coriolis Institute between 14:20 and 16:15. The operation required expert knowledge of the system. Five people had any plausible connection: Ines (clinical coordinator), Jian (visiting scientist), Meriel (graduate student), Daphne (lab technician), Tariq (equipment manager).

Q Who swapped the sequencing chip?

1. Tariq was at the front desk the entire window during the window.
2. Meriel was at a scheduled conference call 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 sample tampering required expert knowledge of the system – only Ines and Jian have this among the five.
5. Daphne was at the main office the entire window during the window.
6. The cold-storage freezer is normally accessed only via freezer key, and Ines's lab badge was used at 14:20.

CASE 08

A tournament prize money was taken from the main court of Saint-Clair Field House between 16:00 and 18:00. The operation required required certifications. Five people had any plausible connection: Kerensa (head coach), Kasimir (athletic trainer), Faye (assistant coach), Zephyr (star player), Alejandro (facilities manager).

Q Who took the tournament prize money?

1. The main court is normally accessed only via team key, and Zephyr's team key was used at 16:00.
2. Faye was at the main office the entire window during the window.
3. Zephyr claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. Faye's equipment-room key was not used at any point during the window.
5. Kerensa was at the main office the entire window during the window.
6. Alejandro's facility camera confirms they were at the off-site location from 16:00 to 18:00.
7. Kasimir was at a scheduled conference call during the window.

CASE 09

A rare coin set was taken from the restoration lab of Argent Gallery between 14:45 and 16:10. The operation required authorized credentials. Five people had any plausible connection: Klaus (art restorer), Ramona (gift shop manager), Xanthe (night security), Mikael (docent), Tomas (exhibition designer).

Q Who took the rare coin set?

1. Ramona was at the front desk the entire window during the window.
2. Mikael was at a scheduled conference call during the window.
3. The restoration lab is normally accessed only via elevator access, and Klaus's security badge was used at 14:45.
4. Xanthe was at a scheduled external meeting during the window.
5. Klaus claims to have been out for a long break during the window. No supporting evidence has been provided.
6. Mikael's security badge was not used at any point during the window.
7. Tomas's motion sensor confirms they were at the off-site location from 14:45 to 16:10.

Answer Key – Deduction Mysteries

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

Case 01 D) Sigrid

- ☒ The theft required technical training.
 - ☒ Hasan lacks the required skill – cleared.
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Case 02 B) Ronan

- ☒ The theft required technical training.
 - ☒ Hakim lacks the required skill – cleared.
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Case 03 E) Ilya

- ☒ The corporate theft required authorized credentials.
 - ☒ Kasper lacks the required skill – cleared.
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Case 04 B) Olive

- ☒ The theft required authorized credentials.
 - ☒ Fenella lacks the required skill – cleared.
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Case 05 B) Zephyr

- ☒ The theft required technical training.
 - ☒ Elspeth lacks the required skill – cleared.
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Case 06 C) Gunnar

- ☒ The theft required authorized credentials.
 - ☒ Zephyr lacks the required skill – cleared.
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Case 07 A) Ines

- ☒ The sample tampering required expert knowledge of the system.
 - ☒ Meriel lacks the required skill – cleared.
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Case 08 E) Zephyr

- ☒ The theft required required certifications.
 - ☒ Kerensa lacks the required skill – cleared.
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Case 09 C) Klaus

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