

## Deduction Mysteries

### CASE 01

A staff schedule was taken from the staff break room of Quartermaine's between 13:30 and 15:45. The operation required authorized credentials. Five people had any plausible connection: Finnegan (server), Mahdi (sommelier), Beatrix (bartender), Zoltan (manager), Ines (dishwasher).

#### Q Who took the staff schedule?

1. Zoltan claims to have been out for a long break during the window. No supporting evidence has been provided.
2. Beatrix was at a scheduled conference call during the window.
3. Finnegan's witness server confirms they were at the remote facility from 13:30 to 15:45.
4. Mahdi's master key was not used at any point during the window.
5. Mahdi was at a scheduled training course during the window.
6. The theft required authorized credentials – only Finnegan and Zoltan have this among the five.
7. Ines was documented by the reservation system in a different building during the window.
8. The staff break room is normally accessed only via manager key, and Zoltan's manager key was used at 13:30.

### CASE 02

A jade figurine was taken from the restoration lab of Helix Modern Art between 16:10 and 19:15. The operation required authorized credentials. Five people had any plausible connection: Cassia (tour guide), Rhys (night security), Tatum (curator), Olive (archivist), Aiko (art restorer).

#### Q Who took the jade figurine?

1. Olive was at a scheduled external meeting during the window.
2. The restoration lab is normally accessed only via vault combination, and Cassia's vault combination was used at 16:10.
3. Rhys's motion sensor confirms they were at the remote facility from 16:10 to 19:15.
4. Tatum was at the external facility the entire window during the window.
5. The theft required authorized credentials – only Rhys and Cassia have this among the five.
6. Cassia claims to have been working alone in their office during the window. No supporting evidence has been provided.
7. Aiko was at a scheduled conference call during the window.

### CASE 03

A reservation book was taken from the front register of Aldermarsh Bistro between 14:30 and 16:10. The operation required specialized access privileges. Five people had any plausible connection: Wilder (sous chef), Meriel (bartender), Iolanthe (sommelier), Caelan (head chef), Hakim (pastry chef).

#### Q Who took the reservation book?

1. Meriel was at a scheduled external meeting during the window.
2. The front register is normally accessed only via manager key, and Wilder's cellar key was used at 14:30.
3. Wilder claims to have been out for a long break during the window. No supporting evidence has been provided.
4. The theft required specialized access privileges – only Wilder and Caelan have this among the five.
5. Caelan's witness server confirms they were at the remote facility from 14:30 to 16:10.
6. Hakim was at a scheduled training course during the window.
7. Iolanthe was at the front desk the entire window during the window.

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### CASE 04

An oil painting was taken from the restoration lab of Helix Modern Art between 15:10 and 17:30. The operation required technical training. Five people had any plausible connection: Joren (security guard), Anand (night security), Idris (archivist), Magnus (exhibition designer), Etienne (art restorer).

#### Q Who took the oil painting?

1. Etienne was at the front desk the entire window during the window.
2. Joren claims to have been out for a long break during the window. No supporting evidence has been provided.
3. Magnus was documented by the badge swipe log in a different building during the window.
4. Idris's badge swipe log confirms they were at the off-site location from 15:10 to 17:30.
5. Anand was documented by the badge swipe log in a different building during the window.
6. The theft required technical training – only Idris and Joren have this among the five.
7. Anand's master key was not used at any point during the window.
8. The restoration lab is normally accessed only via master key, and Joren's elevator access was used at 15:10.

### CASE 05

A science project was taken from the library archive of Cedarvale High between 15:45 and 17:10. The operation required technical training. Five people had any plausible connection: Roksana (student council president), Anastasia (janitor), Yara (librarian), Marisol (substitute teacher), Aaliyah (teacher).

#### Q Who took the science project?

1. Anastasia claims to have been out for a long break during the window. No supporting evidence has been provided.
2. Marisol's attendance log confirms they were at the remote facility from 15:45 to 17:10.
3. Aaliyah was documented by the printer log in a different building during the window.
4. Roksana was at a scheduled training course during the window.
5. The library archive is normally accessed only via staff key, and Anastasia's records-room badge was used at 15:45.
6. The theft required technical training – only Anastasia and Marisol have this among the five.
7. Yara was at the front desk the entire window during the window.

### CASE 06

A prototype assembly was taken from the engine assembly area of Pemberton Repair between 15:30 and 18:30. The operation required specialized access privileges. Five people had any plausible connection: Jacinta (quality inspector), Eitan (apprentice), Penelope (machinist), Tess (electrician), Bayan (shop manager).

#### Q Who took the prototype assembly?

1. Eitan's door sensor confirms they were at the off-site location from 15:30 to 18:30.
2. The engine assembly area is normally accessed only via parts-room code, and Jacinta's manager key was used at 15:30.
3. Tess was at the main office the entire window during the window.
4. Jacinta claims to have been out for a long break during the window. No supporting evidence has been provided.
5. Bayan was documented by the shop camera in a different building during the window.
6. The theft required specialized access privileges – only Jacinta and Eitan have this among the five.
7. Penelope was at the front desk the entire window during the window.

## Deduction Mysteries

### CASE 07

The master plans were taken from the welding bay of Saint-Clair Machining between 15:15 and 18:15. The operation required expert knowledge of the system. Five people had any plausible connection: Tomas (quality inspector), Ines (electrician), Meriel (customer service rep), Idris (parts clerk), Pavel (machinist).

#### Q Who took the master plans?

1. Ines's shop camera confirms they were at the off-site location from 15:15 to 18:15.
2. The welding bay is normally accessed only via tool-crib key, and Pavel's tool-crib key was used at 15:15.
3. Idris was documented by the witness coworker in a different building during the window.
4. Tomas was at a scheduled external meeting during the window.
5. Pavel claims to have been working alone in their office during the window. No supporting evidence has been provided.
6. The theft required expert knowledge of the system – only Ines and Pavel have this among the five.
7. Meriel was documented by the witness coworker in a different building during the window.

### CASE 08

An archive password log was taken from the special collections room of Aldermarsh Library between 14:20 and 17:45. The operation required expert knowledge of the system. Five people had any plausible connection: Diallo (cataloger), Omari (rare-books curator), Nadia (visiting scholar), Mateo (research assistant), Iolanthe (reference librarian).

#### Q Who took the archive password log?

1. Mateo's door sensor confirms they were at the remote facility from 14:20 to 17:45.
2. Omari was documented by the book-checkout record in a different building during the window.
3. Diallo claims to have been out for a long break during the window. No supporting evidence has been provided.
4. The theft required expert knowledge of the system – only Mateo and Diallo have this among the five.
5. The special collections room is normally accessed only via archive badge, and Diallo's vault key was used at 14:20.
6. Nadia was at a scheduled conference call during the window.
7. Iolanthe was at the main office the entire window during the window.

### CASE 09

A restricted donor file was taken from the cataloging room of Helix Heritage Foundation between 15:00 and 18:00. The operation required authorized credentials. Five people had any plausible connection: Iolanthe (head archivist), Maeve (intern), Indira (researcher), Mateo (administrator), Lior (genealogist).

#### Q Who took the restricted donor file?

1. Indira was at a scheduled training course during the window.
2. Maeve's camera footage confirms they were at the external office from 15:00 to 18:00.
3. The theft required authorized credentials – only Iolanthe and Maeve have this among the five.
4. Iolanthe claims to have been out for a long break during the window. No supporting evidence has been provided.
5. The cataloging room is normally accessed only via archive badge, and Iolanthe's vault key was used at 15:00.
6. Mateo was at a scheduled conference call during the window.
7. Mateo's admin code was not used at any point during the window.

## Answer Key – Deduction Mysteries

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

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### Case 01 E) Zoltan

- ☒ The theft required authorized credentials.
  - ☒ Mahdi lacks the required skill – cleared.
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### Case 02 B) Cassia

- ☒ The theft required authorized credentials.
  - ☒ Tatum lacks the required skill – cleared.
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### Case 03 B) Wilder

- ☒ The theft required specialized access privileges.
  - ☒ Meriel lacks the required skill – cleared.
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### Case 04 B) Joren

- ☒ The theft required technical training.
  - ☒ Anand lacks the required skill – cleared.
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### Case 05 B) Anastasia

- ☒ The theft required technical training.
  - ☒ Roksana lacks the required skill – cleared.
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### Case 06 A) Jacinta

- ☒ The theft required specialized access privileges.
  - ☒ Penelope lacks the required skill – cleared.
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### Case 07 A) Pavel

- ☒ The theft required expert knowledge of the system.
  - ☒ Tomas lacks the required skill – cleared.
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### Case 08 B) Diallo

- ☒ The theft required expert knowledge of the system.
  - ☒ Omari lacks the required skill – cleared.
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### Case 09 C) Iolanthe

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