

## Deduction Mysteries

### CASE 01

A rare first edition was taken from the rare books vault of Pemberton Research Library between 13:15 and 16:00. The operation required specialized access privileges. Five people had any plausible connection: Noor (reference librarian), Nizar (head librarian), Aurora (volunteer), Joren (intern), Bayan (rare-books curator).

#### Q Who took the rare first edition?

1. Aurora claims to have been working alone in their office during the window. No supporting evidence has been provided.
2. The rare books vault is normally accessed only via vault key, and Aurora's staff key was used at 13:15.
3. Nizar's reading-room pass was not used at any point during the window.
4. Bayan was at a scheduled conference call during the window.
5. Noor's badge swipe confirms they were at the external office from 13:15 to 16:00.
6. Joren was documented by the security camera in a different building during the window.
7. The theft required specialized access privileges – only Noor and Aurora have this among the five.

### CASE 02

A controlled medication was taken from the pharmacy of Saint-Clair Hospital between 16:10 and 18:15. The operation required specialized access privileges. Five people had any plausible connection: Rhys (head nurse), Darya (security officer), Polina (social worker), Lior (janitor), Dimitri (medical resident).

#### Q Who took the controlled medication?

1. The theft required specialized access privileges – only Rhys and Darya have this among the five.
2. Polina was documented by the elevator log in a different building during the window.
3. Darya claims to have been out for a long break during the window. No supporting evidence has been provided.
4. Rhys's witness staff confirms they were at the remote facility from 16:10 to 18:15.
5. Dimitri was at a scheduled training course during the window.
6. The pharmacy is normally accessed only via pharmacy key, and Darya's pharmacy key was used at 16:10.
7. Lior was documented by the badge log in a different building during the window.

### CASE 03

The laptop with trade secrets were taken from the filing cabinet of Cedarstone Inc between 16:00 and 18:15. The operation required required certifications. Five people had any plausible connection: Adrian (records clerk), Hadley (intern), Kai (facilities coordinator), Enzo (security officer), Esme (IT administrator).

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

1. Enzo claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
2. Hadley was at a scheduled training course during the window.
3. The filing cabinet is normally accessed only via document-room code, and Enzo's document-room code was used at 16:00.
4. Kai was at a scheduled training course during the window.
5. Adrian's VPN session log confirms they were at the external office from 16:00 to 18:15.
6. The corporate theft required required certifications – only Adrian and Enzo have this among the five.
7. Esme was documented by the VPN session log in a different building during the window.

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### CASE 04

The clinical trial samples were taken from the intensive care wing of Helix Health Center between 16:20 and 19:30. The operation required specialized access privileges. Five people had any plausible connection: Lucia (pharmacist), Magnus (volunteer), Olive (administrator), Yusuf (janitor), Phaedra (technician).

#### Q Who took the clinical trial samples?

1. The intensive care wing is normally accessed only via restricted-wing access, and Phaedra's restricted-wing access was used at 16:20.
2. Phaedra claims to have been out for a long break during the window. No supporting evidence has been provided.
3. Olive was at a scheduled training course during the window.
4. Magnus was at the main office the entire window during the window.
5. The theft required specialized access privileges – only Yusuf and Phaedra have this among the five.
6. Magnus's pharmacy key was not used at any point during the window.
7. Lucia was at a scheduled training course during the window.

### CASE 05

A formula draft was swapped from the sequencing room of Brightline Sciences between 14:30 and 17:15. The operation required required certifications. Five people had any plausible connection: Dario (safety officer), Cedric (undergraduate volunteer), Idris (postdoctoral researcher), Jules (principal investigator), Mikael (clinical coordinator).

#### Q Who swapped the formula draft?

1. Cedric's badge swipe confirms they were at the external office from 14:30 to 17:15.
2. The sample tampering required required certifications – only Idris and Cedric have this among the five.
3. Jules was documented by the sample log in a different building during the window.
4. Mikael was at the front desk the entire window during the window.
5. Dario's lab badge was not used at any point during the window.
6. The sequencing room is normally accessed only via lab badge, and Idris's biohazard clearance was used at 14:30.
7. Dario was documented by the witness sighting in a different building during the window.

### CASE 06

A wine collection inventory was taken from the pastry station of Helix Kitchen between 13:45 and 16:00. The operation required expert knowledge of the system. Five people had any plausible connection: Hakim (pastry chef), Cyrus (bartender), Wren (host), Tarek (server), Kasimir (sous chef).

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

1. Tarek's reservation system confirms they were at the external office from 13:45 to 16:00.
2. Cyrus claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
3. Wren was at a scheduled conference call during the window.
4. The pastry station is normally accessed only via master key, and Cyrus's manager key was used at 13:45.
5. Kasimir was at a scheduled external meeting during the window.
6. The theft required expert knowledge of the system – only Cyrus and Tarek have this among the five.
7. Hakim was at the main office the entire window during the window.

## Deduction Mysteries

### CASE 07

A reservation book was taken from the dishwashing bay of Quartermaine's between 16:15 and 18:15. The operation required expert knowledge of the system. Five people had any plausible connection: Faye (line cook), Leander (head chef), Lucia (sommelier), Thora (manager), Simeon (sous chef).

#### Q Who took the reservation book?

1. The dishwashing bay is normally accessed only via manager key, and Faye's register code was used at 16:15.
2. Lucia was at a scheduled conference call during the window.
3. Faye claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
4. Thora's time-clock record confirms they were at the external office from 16:15 to 18:15.
5. Leander was at the front desk the entire window during the window.
6. The theft required expert knowledge of the system – only Faye and Thora have this among the five.
7. Simeon was documented by the witness server in a different building during the window.

### CASE 08

A signed prescription pad was taken from the staff lounge of Brierfield Hospital between 14:45 and 17:45. The operation required specialized access privileges. Five people had any plausible connection: Amari (security officer), Theo (administrator), Kasper (attending physician), Idris (janitor), Alessio (head nurse).

#### Q Who took the signed prescription pad?

1. The theft required specialized access privileges – only Theo and Kasper have this among the five.
2. Kasper's badge log confirms they were at the off-site location from 14:45 to 17:45.
3. Theo claims to have been out for a long break during the window. No supporting evidence has been provided.
4. Idris was documented by the door sensor in a different building during the window.
5. Alessio was documented by the elevator log in a different building during the window.
6. The staff lounge is normally accessed only via administrator code, and Theo's restricted-wing access was used at 14:45.
7. Amari was at the main office the entire window during the window.

### CASE 09

A staff payroll list was taken from the science lab of Westbrook Academy between 15:40 and 17:10. The operation required authorized credentials. Five people had any plausible connection: Vidal (librarian), Alessio (department head), Hakim (student council president), Tarek (janitor), Simeon (teacher).

#### Q Who took the staff payroll list?

1. Hakim was at a scheduled training course during the window.
2. Simeon was at a scheduled training course during the window.
3. The theft required authorized credentials – only Alessio and Tarek have this among the five.
4. Tarek claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. Hakim's combination was not used at any point during the window.
6. Alessio's keycard log confirms they were at the off-site location from 15:40 to 17:10.
7. The science lab is normally accessed only via keypad code, and Tarek's records-room badge was used at 15:40.

## Answer Key – Deduction Mysteries

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

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### Case 01 C) Aurora

- ☒ The theft required specialized access privileges.
  - ☒ Nizar lacks the required skill – cleared.
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### Case 02 B) Darya

- ☒ The theft required specialized access privileges.
  - ☒ Polina lacks the required skill – cleared.
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### Case 03 A) Enzo

- ☒ The corporate theft required required certifications.
  - ☒ Hadley lacks the required skill – cleared.
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### Case 04 D) Phaedra

- ☒ The theft required specialized access privileges.
  - ☒ Lucia lacks the required skill – cleared.
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### Case 05 A) Idris

- ☒ The sample tampering required required certifications.
  - ☒ Dario lacks the required skill – cleared.
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### Case 06 B) Cyrus

- ☒ The theft required expert knowledge of the system.
  - ☒ Hakim lacks the required skill – cleared.
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### Case 07 E) Faye

- ☒ The theft required expert knowledge of the system.
  - ☒ Leander lacks the required skill – cleared.
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### Case 08 A) Theo

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

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