

## Deduction Mysteries

### CASE 01

A client database was taken from the server room of Northgate Partners between 15:20 and 17:45. The operation required technical training. Five people had any plausible connection: Penelope (legal counsel), Etienne (intern), Cosima (executive assistant), Kasper (security officer), Kerensa (records clerk).

#### Q Who took the client database?

1. Kasper's VPN access was not used at any point during the window.
2. Penelope was at a scheduled conference call during the window.
3. Cosima was at the front desk the entire window during the window.
4. Etienne claims to have been out for a long break during the window. No supporting evidence has been provided.
5. The server room is normally accessed only via admin credentials, and Etienne's admin credentials was used at 15:20.
6. Kasper was documented by the elevator log in a different building during the window.
7. Kerensa's door access record confirms they were at the remote facility from 15:20 to 17:45.

### CASE 02

A prototype compound was swapped from the equipment closet of Caelum Labs between 14:20 and 16:30. The operation required technical training. Five people had any plausible connection: Renata (visiting scientist), Quentin (postdoctoral researcher), Selene (safety officer), Dimah (clinical coordinator), Ilya (graduate student).

#### Q Who swapped the prototype compound?

1. The equipment closet is normally accessed only via freezer key, and Dimah's clean-room access was used at 14:20.
2. Ilya's freezer access log confirms they were at the off-site location from 14:20 to 16:30.
3. Quentin's lab badge was not used at any point during the window.
4. Dimah claims to have been out for a long break during the window. No supporting evidence has been provided.
5. Quentin was at a scheduled conference call during the window.
6. The sample tampering required technical training – only Dimah and Ilya have this among the five.
7. Renata was at a scheduled training course during the window.

### CASE 03

The student transcripts were taken from the faculty lounge of Westbrook Academy between 14:15 and 17:10. The operation required specialized access privileges. Five people had any plausible connection: Ronan (librarian), Dimah (principal), Suri (janitor), Pavel (substitute teacher), Leander (department head).

#### Q Who took the student transcripts?

1. The faculty lounge is normally accessed only via master key, and Pavel's master key was used at 14:15.
2. Suri was documented by the door sensor in a different building during the window.
3. Ronan was at a scheduled training course during the window.
4. Pavel claims to have been out for a long break during the window. No supporting evidence has been provided.
5. Leander's witness statement confirms they were at the remote facility from 14:15 to 17:10.
6. The theft required specialized access privileges – only Pavel and Leander have this among the five.
7. Dimah was documented by the witness statement in a different building during the window.

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### CASE 04

The director's notes were taken from the director's office of Pemberton Opera House between 16:30 and 18:30. The operation required required certifications. Five people had any plausible connection: Eitan (stagehand), Hadley (lighting tech), Simeon (stage manager), Octavia (understudy), Faye (prop master).

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

1. Hadley was at the front desk the entire window during the window.
2. Faye was at the front desk the entire window during the window.
3. Eitan was documented by the stage door camera in a different building during the window.
4. The director's office is normally accessed only via backstage pass, and Simeon's box-office key was used at 16:30.
5. Simeon claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
6. The theft required required certifications – only Simeon and Octavia have this among the five.
7. Octavia's rehearsal sign-in confirms they were at the remote facility from 16:30 to 18:30.

### CASE 05

A reservation book was taken from the dishwashing bay of Aldermarsh Bistro between 14:45 and 16:10. The operation required specialized access privileges. Five people had any plausible connection: Juno (server), Kalisa (host), Cyrus (sommelier), Mei (bartender), Oren (sous chef).

#### Q Who took the reservation book?

1. The dishwashing bay is normally accessed only via manager key, and Cyrus's manager key was used at 14:45.
2. The theft required specialized access privileges – only Cyrus and Juno have this among the five.
3. Mei was documented by the reservation system in a different building during the window.
4. Oren was at a scheduled conference call during the window.
5. Kalisa was at a scheduled external meeting during the window.
6. Juno's reservation system confirms they were at the external office from 14:45 to 16:10.
7. Cyrus claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

### CASE 06

A production database was extracted from the testing lab of Helix Tech between 13:30 and 15:10. The operation required required certifications. Five people had any plausible connection: Lior (security analyst), Zinnia (intern), Jules (data scientist), Kasimir (CTO), Aurora (site-reliability engineer).

#### Q Who extracted the production database?

1. The data theft required required certifications – only Aurora and Lior have this among the five.
2. Aurora claims to have been working alone in their office during the window. No supporting evidence has been provided.
3. The testing lab is normally accessed only via badge, and Aurora's SSH key was used at 13:30.
4. Jules was at the main office the entire window during the window.
5. Lior's CCTV camera confirms they were at the off-site location from 13:30 to 15:10.
6. Zinnia was at the main office the entire window during the window.
7. Zinnia's badge was not used at any point during the window.

## Deduction Mysteries

### CASE 07

A silver chalice was taken from the restoration lab of Metropolitan Gallery between 14:10 and 16:45. The operation required expert knowledge of the system. Five people had any plausible connection: Ines (art restorer), Jian (tour guide), Kasimir (janitor), Joaquin (security guard), Eleni (archivist).

#### Q Who took the silver chalice?

1. Ines's witness testimony confirms they were at the external office from 14:10 to 16:45.
2. Joaquin was at a scheduled external meeting during the window.
3. Kasimir claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. Jian was at the front desk the entire window during the window.
5. The restoration lab is normally accessed only via master key, and Kasimir's vault combination was used at 14:10.
6. The theft required expert knowledge of the system – only Ines and Kasimir have this among the five.
7. Eleni was at a scheduled external meeting during the window.

### CASE 08

A sports trophy was taken from the exam preparation room of Northgate Academy between 16:40 and 18:15. The operation required required certifications. Five people had any plausible connection: Polina (student council president), Leila (substitute teacher), Selene (coach), Kerensa (school counselor), Katarina (principal).

#### Q Who took the sports trophy?

1. Katarina claims to have been working alone in their office during the window. No supporting evidence has been provided.
2. The theft required required certifications – only Katarina and Kerensa have this among the five.
3. Leila was at the external facility the entire window during the window.
4. Kerensa's printer log confirms they were at the external office from 16:40 to 18:15.
5. Polina was at the main office the entire window during the window.
6. The exam preparation room is normally accessed only via records-room badge, and Katarina's records-room badge was used at 16:40.
7. Selene was at the main office the entire window during the window.

### CASE 09

An expensive welding rod was taken from the customer pickup bay of Saint-Clair Machining between 15:20 and 17:10. The operation required specialized access privileges. Five people had any plausible connection: Kerensa (parts clerk), Maeve (master mechanic), Amelia (customer service rep), Vidal (shop manager), Aiko (machinist).

#### Q Who took the expensive welding rod?

1. The theft required specialized access privileges – only Aiko and Vidal have this among the five.
2. Amelia was at a scheduled conference call during the window.
3. The customer pickup bay is normally accessed only via parts-room code, and Aiko's manager key was used at 15:20.
4. Vidal's tool-checkout log confirms they were at the off-site location from 15:20 to 17:10.
5. Maeve was documented by the parts-room audit in a different building during the window.
6. Kerensa was at a scheduled conference call during the window.
7. Aiko claims to have been out for a long break during the window. No supporting evidence has been provided.

## Answer Key – Deduction Mysteries

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

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### Case 01 C) Etienne

- ☒ The corporate theft required technical training.
  - ☒ Penelope lacks the required skill – cleared.
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### Case 02 D) Dimah

- ☒ The sample tampering required technical training.
  - ☒ Renata lacks the required skill – cleared.
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### Case 03 B) Pavel

- ☒ The theft required specialized access privileges.
  - ☒ Ronan lacks the required skill – cleared.
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### Case 04 D) Simeon

- ☒ The theft required required certifications.
  - ☒ Eitan lacks the required skill – cleared.
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### Case 05 C) Cyrus

- ☒ The theft required specialized access privileges.
  - ☒ Kalisa lacks the required skill – cleared.
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### Case 06 B) Aurora

- ☒ The data theft required required certifications.
  - ☒ Zinnia lacks the required skill – cleared.
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### Case 07 E) Kasimir

- ☒ The theft required expert knowledge of the system.
  - ☒ Jian lacks the required skill – cleared.
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### Case 08 C) Katarina

- ☒ The theft required required certifications.
  - ☒ Polina lacks the required skill – cleared.
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### Case 09 E) Aiko

- ☒ The theft required specialized access privileges.
- ☒ Kerensa lacks the required skill – cleared.