

Deduction Mysteries

CASE 01

A birth certificate was taken from the registration desk of City Records Office between 14:30 and 16:30. The operation required expert knowledge of the system. Five people had any plausible connection: Nikolai (administrator), Pavel (clerk), Stellan (conservation specialist), Daphne (genealogist), Ula (volunteer).

Q Who took the birth certificate?

1. The registration desk is normally accessed only via admin code, and Pavel's research-room pass was used at 14:30.
2. Daphne was documented by the camera footage in a different building during the window.
3. Nikolai was at a scheduled conference call during the window.
4. Ula's reading-room sign-in confirms they were at the off-site location from 14:30 to 16:30.
5. The theft required expert knowledge of the system – only Pavel and Ula have this among the five.
6. Pavel claims to have been out for a long break during the window. No supporting evidence has been provided.
7. Stellan was at a scheduled training course during the window.

CASE 02

A test specimen was swapped from the sequencing room of Nordic Bio between 15:40 and 18:15. The operation required expert knowledge of the system. Five people had any plausible connection: Iolanthe (operations manager), Zephyr (undergraduate volunteer), Leander (equipment manager), Tatum (safety officer), Isolde (clinical coordinator).

Q Who swapped the test specimen?

1. Zephyr's badge swipe confirms they were at the off-site location from 15:40 to 18:15.
2. The sequencing room is normally accessed only via lab badge, and Iolanthe's clean-room access was used at 15:40.
3. The sample tampering required expert knowledge of the system – only Iolanthe and Zephyr 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. Leander was at the external facility the entire window during the window.
6. Isolde was at a scheduled external meeting during the window.

CASE 03

The quarterly financials were extracted from the testing lab of Northgate Systems between 13:30 and 16:15. The operation required required certifications. Five people had any plausible connection: Ishaan (senior engineer), Zephyr (DevOps lead), Ramona (data scientist), Renata (site-reliability engineer), Fariha (CTO).

Q Who extracted the quarterly financials?

1. Renata was documented by the SSH authentication log in a different building during the window.
2. The data theft required required certifications – only Zephyr and Ishaan have this among the five.
3. Zephyr claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
4. The testing lab is normally accessed only via VPN credentials, and Zephyr's VPN credentials was used at 13:30.
5. Fariha was documented by the SSH authentication log in a different building during the window.
6. Ramona was documented by the badge swipe in a different building during the window.
7. Ishaan's MFA token log confirms they were at the off-site location from 13:30 to 16:15.

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CASE 04

An original script was taken from the catwalk of Helix Repertory between 14:00 and 17:10. The operation required expert knowledge of the system. Five people had any plausible connection: Nizar (stagehand), Thora (box-office manager), Idris (prop master), Galina (stage manager), Eira (musical director).

Q Who took the original script?

1. The catwalk is normally accessed only via backstage pass, and Eira's backstage pass was used at 14:00.
2. Nizar's props inventory log confirms they were at the external office from 14:00 to 17:10.
3. The theft required expert knowledge of the system – only Nizar and Eira have this among the five.
4. Eira claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
5. Idris was documented by the props inventory log in a different building during the window.
6. Thora was at a scheduled conference call during the window.
7. Galina was at a scheduled external meeting during the window.

CASE 05

A championship ring was taken from the training facility of Pemberton Stadium between 15:10 and 17:15. The operation required specialized access privileges. Five people had any plausible connection: Adrian (head coach), Suri (team statistician), Polina (rookie player), Hakim (referee), Stellan (athletic trainer).

Q Who took the championship ring?

1. Adrian claims to have been out for a long break during the window. No supporting evidence has been provided.
2. The training facility is normally accessed only via equipment-room key, and Adrian's locker code was used at 15:10.
3. Stellan was documented by the badge log in a different building during the window.
4. Hakim was at the front desk the entire window during the window.
5. Suri's time-clock record confirms they were at the external office from 15:10 to 17:15.
6. Polina was documented by the locker-room sensor in a different building during the window.
7. The theft required specialized access privileges – only Suri and Adrian have this among the five.

CASE 06

A catering payment was taken from the manager's office of Pemberton Tavern between 14:30 and 17:15. The operation required expert knowledge of the system. Five people had any plausible connection: Nikolai (host), Ronan (pastry chef), Finnegan (dishwasher), Kalinda (server), Ishaan (sous chef).

Q Who took the catering payment?

1. The theft required expert knowledge of the system – only Finnegan and Ronan have this among the five.
2. Finnegan's front-of-house camera confirms they were at the remote facility from 14:30 to 17:15.
3. Ishaan was at a scheduled conference call during the window.
4. The manager's office is normally accessed only via master key, and Ronan's master key was used at 14:30.
5. Kalinda was at the front desk the entire window during the window.
6. Nikolai was at the external facility the entire window during the window.
7. Ronan claims to have been working alone in their office during the window. No supporting evidence has been provided.

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CASE 07

A signed binary release was extracted from the data archive of Northgate Systems between 16:00 and 19:00. The operation required technical training. Five people had any plausible connection: Stellan (data scientist), Cedric (security analyst), Priya (contractor), Kasimir (product manager), Wilder (support lead).

Q Who extracted the signed binary release?

1. The data archive is normally accessed only via badge, and Stellan's SSH key was used at 16:00.
2. Priya was at the external facility the entire window during the window.
3. Stellan claims to have been out for a long break during the window. No supporting evidence has been provided.
4. Cedric was at the front desk the entire window during the window.
5. The data theft required technical training – only Stellan and Kasimir have this among the five.
6. Wilder was at a scheduled training course during the window.
7. Kasimir's MFA token log confirms they were at the external office from 16:00 to 19:00.

CASE 08

A machine shop key set was taken from the employee locker area of Aldermarsh Auto Works between 15:15 and 17:30. The operation required technical training. Five people had any plausible connection: Kenji (welder), Kasper (painter), Suri (quality inspector), Cedric (parts clerk), Eleni (shop manager).

Q Who took the machine shop key set?

1. Kasper's parts-room audit confirms they were at the off-site location from 15:15 to 17:30.
2. Cedric was at a scheduled external meeting during the window.
3. Suri was at a scheduled external meeting during the window.
4. Kenji was at a scheduled conference call during the window.
5. The employee locker area is normally accessed only via tool-crib key, and Eleni's parts-room code was used at 15:15.
6. Eleni claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
7. The theft required technical training – only Kasper and Eleni have this among the five.

CASE 09

The sealed wills were taken from the registration desk of Helix Heritage Foundation between 15:40 and 18:45. The operation required specialized access privileges. Five people had any plausible connection: Idris (clerk), Tomas (security officer), Bjorn (records administrator), Ines (conservation specialist), Omari (head archivist).

Q Who took the sealed wills?

1. Tomas claims to have been out for a long break during the window. No supporting evidence has been provided.
2. Omari was at a scheduled training course during the window.
3. Bjorn's archive log confirms they were at the remote facility from 15:40 to 18:45.
4. Ines was documented by the badge swipe in a different building during the window.
5. Idris was at a scheduled external meeting during the window.
6. The registration desk is normally accessed only via admin code, and Tomas's admin code was used at 15:40.
7. The theft required specialized access privileges – only Tomas and Bjorn have this among the five.

Answer Key – Deduction Mysteries

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

Case 01 E) Pavel

- ☒ The theft required expert knowledge of the system.
 - ☒ Nikolai lacks the required skill – cleared.
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Case 02 C) Iolanthe

- ☒ The sample tampering required expert knowledge of the system.
 - ☒ Leander lacks the required skill – cleared.
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Case 03 A) Zephyr

- ☒ The data theft required required certifications.
 - ☒ Ramona lacks the required skill – cleared.
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Case 04 E) Eira

- ☒ The theft required expert knowledge of the system.
 - ☒ Thora lacks the required skill – cleared.
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Case 05 C) Adrian

- ☒ The theft required specialized access privileges.
 - ☒ Polina lacks the required skill – cleared.
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Case 06 D) Ronan

- ☒ The theft required expert knowledge of the system.
 - ☒ Nikolai lacks the required skill – cleared.
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Case 07 A) Stellan

- ☒ The data theft required technical training.
 - ☒ Cedric lacks the required skill – cleared.
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Case 08 E) Eleni

- ☒ The theft required technical training.
 - ☒ Kenji lacks the required skill – cleared.
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Case 09 E) Tomas

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