

Deduction Mysteries

CASE 01

A Vermeer sketch was taken from the prep workshop of Pemberton Wing between 13:00 and 15:10. The operation required technical training. Five people had any plausible connection: Florian (art restorer), Fenella (security guard), Suri (tour guide), Mauro (curator), Polina (exhibition designer).

Q Who took the Vermeer sketch?

1. The prep workshop is normally accessed only via security badge, and Suri's vault combination was used at 13:00.
2. Fenella was documented by the motion sensor in a different building during the window.
3. Polina's vault combination was not used at any point during the window.
4. Polina was documented by the elevator log in a different building during the window.
5. Florian's badge swipe log confirms they were at the remote facility from 13:00 to 15:10.
6. Mauro was documented by the motion sensor in a different building during the window.
7. The theft required technical training – only Suri and Florian have this among the five.
8. Suri claims to have been working alone in their office during the window. No supporting evidence has been provided.

CASE 02

A source code repository was extracted from the DevOps room of Solstice Labs between 13:00 and 15:00. The operation required required certifications. Five people had any plausible connection: Ravi (data scientist), Penelope (security analyst), Elara (support lead), Meriel (senior engineer), Amelia (product manager).

Q Who extracted the source code repository?

1. The DevOps room is normally accessed only via admin token, and Penelope's VPN credentials was used at 13:00.
2. Elara's SSH key was not used at any point during the window.
3. Ravi was at the main office the entire window during the window.
4. Amelia's MFA token log confirms they were at the external office from 13:00 to 15:00.
5. Elara was documented by the badge swipe in a different building during the window.
6. Penelope claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
7. Meriel was documented by the witness colleague in a different building during the window.

CASE 03

An enzyme batch was swapped from the equipment closet of Nordic Bio between 14:45 and 17:10. The operation required expert knowledge of the system. Five people had any plausible connection: Caelan (operations manager), Ula (postdoctoral researcher), Saoirse (graduate student), Suri (clinical coordinator), Rhys (visiting scientist).

Q Who swapped the enzyme batch?

1. Ula's clean-room entry log confirms they were at the off-site location from 14:45 to 17:10.
2. The equipment closet is normally accessed only via clean-room access, and Caelan's biohazard clearance was used at 14:45.
3. The sample tampering required expert knowledge of the system – only Caelan and Ula have this among the five.
4. Caelan claims to have been out for a long break during the window. No supporting evidence has been provided.
5. Suri was at the front desk the entire window during the window.
6. Rhys was at the front desk the entire window during the window.

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CASE 04

A signed agreement was taken from the executive suite of Cedarstone Inc between 15:15 and 18:10. The operation required expert knowledge of the system. Five people had any plausible connection: Phaedra (records clerk), Tess (IT administrator), Aleksandr (HR director), Leila (senior engineer), Wren (facilities coordinator).

Q Who took the signed agreement?

1. Aleksandr's door access record confirms they were at the external office from 15:15 to 18:10.
2. Leila was at the front desk the entire window during the window.
3. Tess claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. Phaedra was at the main office the entire window during the window.
5. The executive suite is normally accessed only via document-room code, and Tess's VPN access was used at 15:15.
6. The corporate theft required expert knowledge of the system – only Tess and Aleksandr have this among the five.

CASE 05

A final exam answer sheet was taken from the sports equipment room of Brierfield Prep between 15:10 and 17:30. The operation required authorized credentials. Five people had any plausible connection: Saoirse (substitute teacher), Marisol (janitor), Tess (secretary), Alessio (coach), Aleksandr (school counselor).

Q Who took the final exam answer sheet?

1. Alessio was at a scheduled training course during the window.
2. Tess's hallway camera confirms they were at the remote facility from 15:10 to 17:30.
3. Aleksandr was at the external facility the entire window during the window.
4. The sports equipment room is normally accessed only via staff key, and Saoirse's keypad code was used at 15:10.
5. Marisol was documented by the keycard log in a different building during the window.
6. Saoirse claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
7. The theft required authorized credentials – only Saoirse and Tess have this among the five.

CASE 06

The sealed wills were taken from the vault of Aldermarsh County Archive between 14:00 and 17:00. The operation required required certifications. Five people had any plausible connection: Indira (genealogist), Bayan (head archivist), Noor (intern), Eleni (researcher), Amari (conservation specialist).

Q Who took the sealed wills?

1. Noor's witness patron confirms they were at the external office from 14:00 to 17:00.
2. Bayan was at the front desk the entire window during the window.
3. The theft required required certifications – only Noor and Amari have this among the five.
4. The vault is normally accessed only via vault key, and Amari's admin code was used at 14:00.
5. Amari claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
6. Indira was at the front desk the entire window during the window.
7. Eleni was at the external facility the entire window during the window.

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CASE 07

A referee's notebook was taken from the training facility of Pemberton Stadium between 15:00 and 18:10. The operation required authorized credentials. Five people had any plausible connection: Nadia (assistant coach), Jacinta (facilities manager), Lior (team captain), Faye (team statistician), Lucia (head coach).

Q Who took the referee's notebook?

1. Nadia was at the external facility the entire window during the window.
2. Lucia was at a scheduled conference call during the window.
3. Lior was at a scheduled training course during the window.
4. Jacinta's equipment sign-out confirms they were at the remote facility from 15:00 to 18:10.
5. The theft required authorized credentials – only Faye and Jacinta have this among the five.
6. The training facility is normally accessed only via locker code, and Faye's team key was used at 15:00.
7. Faye claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

CASE 08

A client database was taken from the data center of Helix Corporation between 16:10 and 18:00. The operation required required certifications. Five people had any plausible connection: Sigrid (intern), Alejandro (records clerk), Lucia (facilities coordinator), Leander (executive assistant), Fariha (HR director).

Q Who took the client database?

1. Sigrid was at a scheduled training course during the window.
2. Lucia claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
3. The data center is normally accessed only via elevator key, and Lucia's employee badge was used at 16:10.
4. The corporate theft required required certifications – only Alejandro and Lucia have this among the five.
5. Leander was at the main office the entire window during the window.
6. Alejandro's VPN session log confirms they were at the off-site location from 16:10 to 18:00.

CASE 09

An oil painting was taken from the climate-controlled vault of Brookfield Art Institute between 14:40 and 16:15. The operation required authorized credentials. Five people had any plausible connection: Lucia (tour guide), Kerensa (security guard), Akhil (docent), Nikolai (art restorer), Theo (night security).

Q Who took the oil painting?

1. Lucia was at the main office the entire window during the window.
2. Akhil claims to have been working alone in their office during the window. No supporting evidence has been provided.
3. The theft required authorized credentials – only Theo and Akhil have this among the five.
4. Theo's badge swipe log confirms they were at the off-site location from 14:40 to 16:15.
5. The climate-controlled vault is normally accessed only via vault combination, and Akhil's master key was used at 14:40.
6. Kerensa was at the main office the entire window during the window.
7. Nikolai was at the front desk the entire window during the window.

Answer Key – Deduction Mysteries

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

Case 01 A) Suri

- ☒ The theft required technical training.
 - ☒ Fenella lacks the required skill – cleared.
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Case 02 E) Penelope

- ☒ The data theft required required certifications.
 - ☒ Ravi lacks the required skill – cleared.
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Case 03 C) Caelan

- ☒ The sample tampering required expert knowledge of the system.
 - ☒ Saoirse lacks the required skill – cleared.
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Case 04 C) Tess

- ☒ The corporate theft required expert knowledge of the system.
 - ☒ Phaedra lacks the required skill – cleared.
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Case 05 A) Saoirse

- ☒ The theft required authorized credentials.
 - ☒ Marisol lacks the required skill – cleared.
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Case 06 D) Amari

- ☒ The theft required required certifications.
 - ☒ Indira lacks the required skill – cleared.
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Case 07 C) Faye

- ☒ The theft required authorized credentials.
 - ☒ Nadia lacks the required skill – cleared.
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Case 08 B) Lucia

- ☒ The corporate theft required required certifications.
 - ☒ Sigrid lacks the required skill – cleared.
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Case 09 D) Akhil

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