

Deduction Mysteries

CASE 01

An oil painting was taken from the loading dock of Saint-Clair Museum between 13:30 and 16:45. The operation required required certifications. Five people had any plausible connection: Sigrid (tour guide), Ezra (art restorer), Omari (docent), Tess (curator), Eitan (night security).

Q Who took the oil painting?

1. Ezra was at a scheduled conference call during the window.
2. Omari was at a scheduled conference call during the window.
3. The theft required required certifications – only Sigrid and Eitan have this among the five.
4. Sigrid's security camera confirms they were at the remote facility from 13:30 to 16:45.
5. Omari's elevator access was not used at any point during the window.
6. The loading dock is normally accessed only via vault combination, and Eitan's keycard was used at 13:30.
7. Eitan claims to have been working alone in their office during the window. No supporting evidence has been provided.
8. Tess was at the front desk the entire window during the window.

CASE 02

An original script was taken from the box office of Northgate Stage between 14:40 and 17:45. The operation required expert knowledge of the system. Five people had any plausible connection: Yvonne (prop master), Kai (stage manager), Dimah (lead actor), Yusuf (costume designer), Fariha (stagehand).

Q Who took the original script?

1. The theft required expert knowledge of the system – only Yvonne and Kai have this among the five.
2. Fariha was at the main office the entire window during the window.
3. Yusuf was at a scheduled conference call during the window.
4. Yusuf's box-office key was not used at any point during the window.
5. Kai claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
6. Dimah was documented by the witness crew member in a different building during the window.
7. Yvonne's props inventory log confirms they were at the external office from 14:40 to 17:45.

CASE 03

An enzyme batch was swapped from the sequencing room of Nordic Bio between 15:15 and 18:10. The operation required technical training. Five people had any plausible connection: Zoltan (safety officer), Eleni (clinical coordinator), Joaquin (lab technician), Idris (undergraduate volunteer), Noor (principal investigator).

Q Who swapped the enzyme batch?

1. Eleni was at a scheduled external meeting during the window.
2. Idris's sample log confirms they were at the external office from 15:15 to 18:10.
3. The sample tampering required technical training – only Joaquin and Idris have this among the five.
4. The sequencing room is normally accessed only via lab badge, and Joaquin's biohazard clearance was used at 15:15.
5. Joaquin claims to have been out for a long break during the window. No supporting evidence has been provided.
6. Zoltan was at the front desk the entire window during the window.
7. Noor was documented by the badge swipe in a different building during the window.

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CASE 04

A sample vial was swapped from the sequencing room of Brightline Sciences between 16:40 and 18:15. The operation required specialized access privileges. Five people had any plausible connection: Faye (undergraduate volunteer), Tarek (postdoctoral researcher), Quentin (operations manager), Eira (equipment manager), Amelia (clinical coordinator).

Q Who swapped the sample vial?

1. Quentin was at the front desk the entire window during the window.
2. Tarek was at a scheduled external meeting during the window.
3. Amelia was documented by the freezer access log in a different building during the window.
4. Faye claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. Tarek's lab badge was not used at any point during the window.
6. The sequencing room is normally accessed only via biohazard clearance, and Faye's lab badge was used at 16:40.
7. Eira's badge swipe confirms they were at the remote facility from 16:40 to 18:15.

CASE 05

The encryption keys were extracted from the server farm of Helix Tech between 13:15 and 16:45. The operation required specialized access privileges. Five people had any plausible connection: Finnegan (senior engineer), Bjorn (DevOps lead), Hadley (intern), Kenji (data scientist), Hakim (site-reliability engineer).

Q Who extracted the encryption keys?

1. Finnegan was at the front desk the entire window during the window.
2. Kenji's CCTV camera confirms they were at the external office from 13:15 to 16:45.
3. Hadley claims to have been out for a long break during the window. No supporting evidence has been provided.
4. The data theft required specialized access privileges – only Hadley and Kenji have this among the five.
5. Bjorn's badge was not used at any point during the window.
6. Bjorn was at a scheduled conference call during the window.
7. Hakim was documented by the witness colleague in a different building during the window.

CASE 06

A signature dish recipe was taken from the front register of Pemberton Tavern between 15:30 and 18:00. The operation required specialized access privileges. Five people had any plausible connection: Xanthe (dishwasher), Zoltan (head chef), Bjorn (line cook), Kasper (manager), Nikolai (host).

Q Who took the signature dish recipe?

1. Xanthe was documented by the front-of-house camera in a different building during the window.
2. Kasper claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
3. Zoltan was at the external facility the entire window during the window.
4. Nikolai's time-clock record confirms they were at the off-site location from 15:30 to 18:00.
5. The front register is normally accessed only via register code, and Kasper's master key was used at 15:30.
6. Zoltan's register code was not used at any point during the window.
7. Bjorn was at the front desk the entire window during the window.

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CASE 07

A sealed surgical kit was taken from the pharmacy of Brierfield Hospital between 14:40 and 16:15. The operation required authorized credentials. Five people had any plausible connection: Kalinda (head nurse), Vera (medical resident), Renata (volunteer), Mikael (janitor), Eira (security officer).

Q Who took the sealed surgical kit?

1. Mikael was at the main office the entire window during the window.
2. Mikael's restricted-wing access was not used at any point during the window.
3. The pharmacy is normally accessed only via restricted-wing access, and Eira's hospital badge was used at 14:40.
4. Renata was at a scheduled training course during the window.
5. The theft required authorized credentials – only Eira and Vera have this among the five.
6. Eira claims to have been working alone in their office during the window. No supporting evidence has been provided.
7. Kalinda was documented by the door sensor in a different building during the window.

CASE 08

The box-office receipts were taken from the costume room of Pemberton Opera House between 15:45 and 18:30. The operation required authorized credentials. Five people had any plausible connection: Amari (box-office manager), Bayan (prop master), Beatrix (director), Alejandro (stage manager), Gunnar (lead actor).

Q Who took the box-office receipts?

1. The costume room is normally accessed only via box-office key, and Gunnar's director's key was used at 15:45.
2. Alejandro was at a scheduled conference call during the window.
3. Alejandro's director's key was not used at any point during the window.
4. Gunnar claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. The theft required authorized credentials – only Gunnar and Bayan have this among the five.
6. Beatrix was at a scheduled training course during the window.
7. Bayan's dressing-room sign-in confirms they were at the external office from 15:45 to 18:30.

CASE 09

A machine shop key set was taken from the manager's office of Aldermarsh Auto Works between 16:40 and 19:45. The operation required required certifications. Five people had any plausible connection: Vera (machinist), Frida (master mechanic), Gemma (welder), Xanthe (electrician), Lana (shop manager).

Q Who took the machine shop key set?

1. The manager's office is normally accessed only via shop key, and Gemma's tool-crib key was used at 16:40.
2. Vera was at the main office the entire window during the window.
3. Lana was at a scheduled conference call during the window.
4. The theft required required certifications – only Gemma and Xanthe have this among the five.
5. Frida was documented by the witness coworker in a different building during the window.
6. Xanthe's tool-checkout log confirms they were at the external office from 16:40 to 19:45.
7. Gemma 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.

Case 01 E) Eitan

- ☒ The theft required required certifications.
 - ☒ Ezra lacks the required skill – cleared.
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Case 02 B) Kai

- ☒ The theft required expert knowledge of the system.
 - ☒ Dimah lacks the required skill – cleared.
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Case 03 C) Joaquin

- ☒ The sample tampering required technical training.
 - ☒ Zoltan lacks the required skill – cleared.
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Case 04 A) Faye

- ☒ The sample tampering required specialized access privileges.
 - ☒ Tarek lacks the required skill – cleared.
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Case 05 D) Hadley

- ☒ The data theft required specialized access privileges.
 - ☒ Finnegan lacks the required skill – cleared.
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Case 06 D) Kasper

- ☒ The theft required specialized access privileges.
 - ☒ Xanthe lacks the required skill – cleared.
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Case 07 A) Eira

- ☒ The theft required authorized credentials.
 - ☒ Kalinda lacks the required skill – cleared.
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Case 08 E) Gunnar

- ☒ The theft required authorized credentials.
 - ☒ Amari lacks the required skill – cleared.
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Case 09 C) Gemma

- ☒ The theft required required certifications.
 - ☒ Vera lacks the required skill – cleared.
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