

Deduction Mysteries

CASE 01

A sequencing chip was swapped from the equipment closet of Solstice Research between 16:40 and 19:10. The operation required specialized access privileges. Five people had any plausible connection: Akhil (clinical coordinator), Jules (visiting scientist), Roksana (undergraduate volunteer), Lucia (equipment manager), Ezra (lab technician).

Q Who swapped the sequencing chip?

1. The sample tampering required specialized access privileges – only Akhil and Lucia have this among the five.
2. Akhil's badge swipe confirms they were at the remote facility from 16:40 to 19:10.
3. Roksana was at the main office the entire window during the window.
4. The equipment closet is normally accessed only via freezer key, and Lucia's freezer key was used at 16:40.
5. Lucia claims to have been out for a long break during the window. No supporting evidence has been provided.
6. Jules was at a scheduled external meeting during the window.

CASE 02

A signed manuscript was taken from the periodicals room of Northgate Library between 13:00 and 15:15. The operation required authorized credentials. Five people had any plausible connection: Octavia (reference librarian), Tarek (head librarian), Rhys (volunteer), Elara (rare-books curator), Lana (archivist).

Q Who took the signed manuscript?

1. Tarek was at a scheduled training course during the window.
2. Octavia was documented by the security camera in a different building during the window.
3. The periodicals room is normally accessed only via reading-room pass, and Lana's vault key was used at 13:00.
4. Lana claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
5. The theft required authorized credentials – only Elara and Lana have this among the five.
6. Elara's book-checkout record confirms they were at the off-site location from 13:00 to 15:15.
7. Rhys was at a scheduled external meeting during the window.

CASE 03

The title transfer documents were taken from the archive stacks of Pemberton Genealogy Center between 16:40 and 18:10. The operation required authorized credentials. Five people had any plausible connection: Tarek (clerk), Leander (intern), Rhys (conservation specialist), Kalinda (records administrator), Mei (administrator).

Q Who took the title transfer documents?

1. The theft required authorized credentials – only Rhys and Kalinda have this among the five.
2. Leander's research-room pass was not used at any point during the window.
3. Tarek was at a scheduled external meeting during the window.
4. Mei was documented by the vault entry record in a different building during the window.
5. Rhys claims to have been out for a long break during the window. No supporting evidence has been provided.
6. Kalinda's witness patron confirms they were at the remote facility from 16:40 to 18:10.
7. Leander was documented by the vault entry record in a different building during the window.

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CASE 04

A catering payment was taken from the staff break room of Northgate Grill between 14:20 and 16:00. The operation required expert knowledge of the system. Five people had any plausible connection: Fariha (line cook), Wilder (head chef), Elara (sous chef), Mira (dishwasher), Enzo (manager).

Q Who took the catering payment?

1. The staff break room is normally accessed only via cellar key, and Mira's master key was used at 14:20.
2. The theft required expert knowledge of the system – only Mira and Elara have this among the five.
3. Elara's front-of-house camera confirms they were at the remote facility from 14:20 to 16:00.
4. Fariha was at a scheduled training course during the window.
5. Mira claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
6. Enzo was at the main office the entire window during the window.
7. Wilder was at a scheduled training course during the window.

CASE 05

A test specimen was swapped from the glove box of Helix Bioresearch between 14:20 and 16:45. The operation required specialized access privileges. Five people had any plausible connection: Eira (graduate student), Mei (postdoctoral researcher), Finnegan (operations manager), Faye (equipment manager), Omari (principal investigator).

Q Who swapped the test specimen?

1. The glove box is normally accessed only via clean-room access, and Finnegan's biohazard clearance was used at 14:20.
2. Mei's clean-room entry log confirms they were at the external office from 14:20 to 16:45.
3. Eira's lab badge was not used at any point during the window.
4. The sample tampering required specialized access privileges – only Mei and Finnegan have this among the five.
5. Faye was at a scheduled training course during the window.
6. Finnegan claims to have been out for a long break during the window. No supporting evidence has been provided.

CASE 06

A donor list was taken from the restoration room of Saint-Clair Collection between 13:30 and 16:45. The operation required technical training. Five people had any plausible connection: Yara (head librarian), Ishaan (intern), Selene (research assistant), Nadia (cataloger), Arjun (custodian).

Q Who took the donor list?

1. The theft required technical training – only Arjun and Nadia have this among the five.
2. Arjun's door sensor confirms they were at the remote facility from 13:30 to 16:45.
3. The restoration room is normally accessed only via reading-room pass, and Nadia's vault key was used at 13:30.
4. Ishaan was at the main office the entire window during the window.
5. Selene was documented by the badge swipe in a different building during the window.
6. Yara was at a scheduled conference call during the window.
7. Nadia claims to have been out for a long break during the window. No supporting evidence has been provided.

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CASE 07

A staff schedule was taken from the prep kitchen of Octavia's between 14:10 and 16:00. The operation required authorized credentials. Five people had any plausible connection: Quincy (line cook), Mikael (sommelier), Ulla (head chef), Dimitri (manager), Dimah (server).

Q Who took the staff schedule?

1. Ulla was at a scheduled conference call during the window.
2. Ulla's master key was not used at any point during the window.
3. Quincy was at a scheduled external meeting during the window.
4. The theft required authorized credentials – only Dimitri and Dimah have this among the five.
5. The prep kitchen is normally accessed only via register code, and Dimitri's cellar key was used at 14:10.
6. Mikael was at the main office the entire window during the window.
7. Dimah's time-clock record confirms they were at the off-site location from 14:10 to 16:00.
8. Dimitri claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

CASE 08

A laptop was taken from the exam preparation room of Aldermarsh High between 15:30 and 18:30. The operation required required certifications. Five people had any plausible connection: Caelan (secretary), Mei (janitor), Diallo (principal), Theo (substitute teacher), Kalisa (student council president).

Q Who took the laptop?

1. Theo was at a scheduled training course during the window.
2. Diallo was at a scheduled training course during the window.
3. Mei was documented by the door sensor in a different building during the window.
4. Kalisa's keycard log confirms they were at the external office from 15:30 to 18:30.
5. The exam preparation room is normally accessed only via combination, and Caelan's combination was used at 15:30.
6. The theft required required certifications – only Caelan and Kalisa have this among the five.
7. Caelan claims to have been working alone in their office during the window. No supporting evidence has been provided.

CASE 09

A controlled medication was taken from the medication closet of Saint-Clair Hospital between 14:20 and 17:45. The operation required required certifications. Five people had any plausible connection: Helena (head nurse), Xanthe (administrator), Xiomara (social worker), Hakim (technician), Polina (medical resident).

Q Who took the controlled medication?

1. Helena's medication audit confirms they were at the off-site location from 14:20 to 17:45.
2. Xanthe was at a scheduled conference call during the window.
3. The theft required required certifications – only Helena and Polina have this among the five.
4. Xiomara was at a scheduled conference call during the window.
5. Polina claims to have been out for a long break during the window. No supporting evidence has been provided.
6. The medication closet is normally accessed only via hospital badge, and Polina's pharmacy key was used at 14:20.
7. Hakim was at a scheduled external meeting during the window.

Answer Key – Deduction Mysteries

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

Case 01 D) Lucia

- ☒ The sample tampering required specialized access privileges.
 - ☒ Jules lacks the required skill – cleared.
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Case 02 D) Lana

- ☒ The theft required authorized credentials.
 - ☒ Octavia lacks the required skill – cleared.
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Case 03 E) Rhys

- ☒ The theft required authorized credentials.
 - ☒ Tarek lacks the required skill – cleared.
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Case 04 E) Mira

- ☒ The theft required expert knowledge of the system.
 - ☒ Fariha lacks the required skill – cleared.
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Case 05 D) Finnegan

- ☒ The sample tampering required specialized access privileges.
 - ☒ Eira lacks the required skill – cleared.
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Case 06 D) Nadia

- ☒ The theft required technical training.
 - ☒ Yara lacks the required skill – cleared.
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Case 07 D) Dimitri

- ☒ The theft required authorized credentials.
 - ☒ Quincy lacks the required skill – cleared.
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Case 08 D) Caelan

- ☒ The theft required required certifications.
 - ☒ Mei lacks the required skill – cleared.
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Case 09 B) Polina

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