

Deduction Mysteries

CASE 01

A restricted-area code was taken from the medical records of Saint-Clair Hospital between 14:15 and 17:00. The operation required authorized credentials. Five people had any plausible connection: Nadia (janitor), Marisol (social worker), Saoirse (head nurse), Gunnar (pharmacist), Galina (technician).

Q Who took the restricted-area code?

1. Saoirse's medication audit confirms they were at the external office from 14:15 to 17:00.
 2. The theft required authorized credentials – only Marisol and Saoirse have this among the five.
 3. Galina was at a scheduled training course during the window.
 4. Nadia was documented by the elevator log in a different building during the window.
 5. The medical records is normally accessed only via restricted-wing access, and Marisol's restricted-wing access was used at 14:15.
 6. Gunnar was documented by the witness staff in a different building during the window.
 7. Marisol claims to have been out for a long break during the window. No supporting evidence has been provided.
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CASE 02

A sealed reagent was swapped from the prep bench of Pemberton Pharmaceuticals between 15:15 and 18:15. The operation required authorized credentials. Five people had any plausible connection: Cassia (undergraduate volunteer), Gisela (clinical coordinator), Simeon (lab technician), Klaus (visiting scientist), Kalinda (principal investigator).

Q Who swapped the sealed reagent?

1. Gisela's freezer access log confirms they were at the external office from 15:15 to 18:15.
 2. The prep bench is normally accessed only via freezer key, and Cassia's clean-room access was used at 15:15.
 3. Klaus was at a scheduled external meeting during the window.
 4. Cassia claims to have been out for a long break during the window. No supporting evidence has been provided.
 5. Simeon was documented by the badge swipe in a different building during the window.
 6. The sample tampering required authorized credentials – only Gisela and Cassia have this among the five.
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CASE 03

A test specimen was swapped from the cleanroom of Solstice Research between 16:30 and 18:10. The operation required required certifications. Five people had any plausible connection: Kiran (visiting scientist), Mira (undergraduate volunteer), Wilder (clinical coordinator), Jian (postdoctoral researcher), Alessio (lab technician).

Q Who swapped the test specimen?

1. Kiran was at a scheduled external meeting during the window.
2. Alessio claims to have been out for a long break during the window. No supporting evidence has been provided.
3. Wilder was at a scheduled training course during the window.
4. Jian was at a scheduled external meeting during the window.
5. The sample tampering required required certifications – only Alessio and Mira have this among the five.
6. The cleanroom is normally accessed only via lab badge, and Alessio's clean-room access was used at 16:30.

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CASE 04

A reservation book was taken from the walk-in cooler of Pemberton Tavern between 16:20 and 18:10. The operation required expert knowledge of the system. Five people had any plausible connection: Zara (bartender), Zinnia (line cook), Mikael (sommelier), Dimah (pastry chef), Tess (sous chef).

Q Who took the reservation book?

1. Mikael claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
2. Zinnia was at the front desk the entire window during the window.
3. The theft required expert knowledge of the system – only Mikael and Zara have this among the five.
4. Tess's master key was not used at any point during the window.
5. Dimah was at a scheduled training course during the window.
6. Tess was documented by the time-clock record in a different building during the window.
7. Zara's time-clock record confirms they were at the external office from 16:20 to 18:10.
8. The walk-in cooler is normally accessed only via register code, and Mikael's master key was used at 16:20.

CASE 05

The tax records were taken from the storage basement of Aldermarsh County Archive between 14:00 and 16:00. The operation required technical training. Five people had any plausible connection: Bayan (records administrator), Gisela (researcher), Vidal (administrator), Suri (volunteer), Aurora (clerk).

Q Who took the tax records?

1. The theft required technical training – only Suri and Aurora have this among the five.
2. Vidal was at the front desk the entire window during the window.
3. Gisela was documented by the archive log in a different building during the window.
4. Suri's reading-room sign-in confirms they were at the external office from 14:00 to 16:00.
5. Bayan was at the external facility the entire window during the window.
6. The storage basement is normally accessed only via research-room pass, and Aurora's archive badge was used at 14:00.
7. Vidal's vault key was not used at any point during the window.

CASE 06

A signed playbill collection was taken from the dressing room of Pemberton Opera House between 13:30 and 15:00. The operation required expert knowledge of the system. Five people had any plausible connection: Lucia (lead actor), Pavel (stage manager), Rosalind (costume designer), Kai (box-office manager), Ines (musical director).

Q Who took the signed playbill collection?

1. Lucia was documented by the props inventory log in a different building during the window.
2. Ines was documented by the rehearsal sign-in in a different building during the window.
3. Pavel was at the front desk the entire window during the window.
4. The theft required expert knowledge of the system – only Rosalind and Kai have this among the five.
5. Kai's rehearsal sign-in confirms they were at the off-site location from 13:30 to 15:00.
6. Rosalind claims to have been out for a long break during the window. No supporting evidence has been provided.
7. The dressing room is normally accessed only via box-office key, and Rosalind's prop-room code was used at 13:30.

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CASE 07

A team trophy was taken from the trophy display case of Northgate Athletic Club between 14:10 and 16:10. The operation required required certifications. Five people had any plausible connection: Diallo (star player), Anand (equipment manager), Marisol (athletic trainer), Gemma (facilities manager), Noor (rookie player).

Q Who took the team trophy?

1. Gemma was at a scheduled external meeting during the window.
2. Diallo's facility camera confirms they were at the off-site location from 14:10 to 16:10.
3. Marisol claims to have been out for a long break during the window. No supporting evidence has been provided.
4. The trophy display case is normally accessed only via equipment-room key, and Marisol's team key was used at 14:10.
5. Noor was at a scheduled conference call during the window.
6. The theft required required certifications – only Diallo and Marisol have this among the five.
7. Anand was at a scheduled conference call during the window.

CASE 08

A sample vial was swapped from the sequencing room of Nordic Bio between 15:45 and 17:00. The operation required expert knowledge of the system. Five people had any plausible connection: Zephyr (lab technician), Cyrus (operations manager), Alejandro (graduate student), Suri (postdoctoral researcher), Renata (safety officer).

Q Who swapped the sample vial?

1. Renata claims to have been out for a long break during the window. No supporting evidence has been provided.
2. Suri was at a scheduled conference call during the window.
3. Zephyr was documented by the witness sighting in a different building during the window.
4. The sample tampering required expert knowledge of the system – only Renata and Cyrus have this among the five.
5. Cyrus's freezer access log confirms they were at the off-site location from 15:45 to 17:00.
6. Zephyr's freezer key was not used at any point during the window.
7. Alejandro was at the main office the entire window during the window.

CASE 09

A machine shop key set was taken from the manager's office of Pemberton Repair between 15:30 and 18:10. The operation required required certifications. Five people had any plausible connection: Ulla (machinist), Quincy (quality inspector), Akira (apprentice), Polina (welder), Isolde (customer service rep).

Q Who took the machine shop key set?

1. Polina claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
2. Ulla's witness coworker confirms they were at the remote facility from 15:30 to 18:10.
3. The theft required required certifications – only Polina and Ulla have this among the five.
4. Isolde's shop key was not used at any point during the window.
5. Quincy was documented by the shop camera in a different building during the window.
6. Akira was at a scheduled training course during the window.
7. Isolde was at a scheduled conference call during the window.

Answer Key – Deduction Mysteries

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

Case 01 C) Marisol

- ☒ The theft required authorized credentials.
 - ☒ Nadia lacks the required skill – cleared.
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Case 02 B) Cassia

- ☒ The sample tampering required authorized credentials.
 - ☒ Simeon lacks the required skill – cleared.
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Case 03 E) Alessio

- ☒ The sample tampering required required certifications.
 - ☒ Kiran lacks the required skill – cleared.
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Case 04 C) Mikael

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

- ☒ The theft required technical training.
 - ☒ Bayan lacks the required skill – cleared.
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Case 06 C) Rosalind

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

- ☒ The theft required required certifications.
 - ☒ Anand lacks the required skill – cleared.
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Case 08 A) Renata

- ☒ The sample tampering required expert knowledge of the system.
 - ☒ Zephyr lacks the required skill – cleared.
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Case 09 D) Polina

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