

## Deduction Mysteries

### CASE 01

A game-day playbook was taken from the coach's office of Helix Sports Complex between 14:40 and 17:15. The operation required specialized access privileges. Five people had any plausible connection: Juno (athletic trainer), Talia (star player), Esme (equipment manager), Galina (head coach), Olive (assistant coach).

#### Q Who took the game-day playbook?

1. The coach's office is normally accessed only via equipment-room key, and Esme's equipment-room key was used at 14:40.
2. Juno was at the main office the entire window during the window.
3. Esme claims to have been out for a long break during the window. No supporting evidence has been provided.
4. Talia was at the front desk the entire window during the window.
5. Olive's time-clock record confirms they were at the off-site location from 14:40 to 17:15.
6. The theft required specialized access privileges – only Olive and Esme have this among the five.
7. Galina was documented by the locker-room sensor in a different building during the window.

### CASE 02

The signed jerseys were taken from the administration office of Brightline Fitness between 15:45 and 17:30. The operation required authorized credentials. Five people had any plausible connection: Roksana (team captain), Ilya (team statistician), Rhys (athletic trainer), Bayan (rookie player), Alessio (referee).

#### Q Who took the signed jerseys?

1. Ilya was at a scheduled conference call during the window.
2. Alessio's witness teammate confirms they were at the off-site location from 15:45 to 17:30.
3. Rhys was at a scheduled training course during the window.
4. Bayan claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
5. The administration office is normally accessed only via equipment-room key, and Bayan's facility badge was used at 15:45.
6. The theft required authorized credentials – only Alessio and Bayan have this among the five.
7. Roksana was at a scheduled conference call during the window.

### CASE 03

A game-day playbook was taken from the training pool of Northgate Athletic Club between 15:10 and 17:45. The operation required required certifications. Five people had any plausible connection: Mahdi (team statistician), Hasan (equipment manager), Stellan (head coach), Polina (referee), Enzo (rookie player).

#### Q Who took the game-day playbook?

1. Polina's locker code was not used at any point during the window.
2. Mahdi's time-clock record confirms they were at the off-site location from 15:10 to 17:45.
3. Polina was at a scheduled training course during the window.
4. Hasan was documented by the time-clock record in a different building during the window.
5. The training pool is normally accessed only via locker code, and Enzo's locker code was used at 15:10.
6. Enzo claims to have been working alone in their office during the window. No supporting evidence has been provided.
7. The theft required required certifications – only Mahdi and Enzo have this among the five.

## Deduction Mysteries

### CASE 04

The hospital ID badges were taken from the administration office of Northgate Memorial between 15:45 and 17:30. The operation required expert knowledge of the system. Five people had any plausible connection: Odell (janitor), Kerensa (pharmacist), Juno (administrator), Arjun (medical resident), Ishaan (social worker).

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#### Q Who took the hospital ID badges?

1. The administration office is normally accessed only via administrator code, and Odell's restricted-wing access was used at 15:45.
  2. The theft required expert knowledge of the system – only Ishaan and Odell have this among the five.
  3. Kerensa was at the main office the entire window during the window.
  4. Ishaan's medication audit confirms they were at the remote facility from 15:45 to 17:30.
  5. Odell claims to have been working alone in their office during the window. No supporting evidence has been provided.
  6. Juno was at the main office the entire window during the window.
  7. Arjun was at the front desk the entire window during the window.
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### CASE 05

A signed binary release was extracted from the server farm of Helix Tech between 14:15 and 16:45. The operation required specialized access privileges. Five people had any plausible connection: Zephyr (product manager), Eira (CTO), Sami (DevOps lead), Gemma (senior engineer), Ines (data scientist).

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#### Q Who extracted the signed binary release?

1. The server farm is normally accessed only via admin token, and Gemma's badge was used at 14:15.
  2. Eira was documented by the SSH authentication log in a different building during the window.
  3. Ines was at a scheduled conference call during the window.
  4. Gemma claims to have been out for a long break during the window. No supporting evidence has been provided.
  5. Sami was at the main office the entire window during the window.
  6. Zephyr's VPN session log confirms they were at the off-site location from 14:15 to 16:45.
  7. The data theft required specialized access privileges – only Gemma and Zephyr have this among the five.
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### CASE 06

The master plans were taken from the employee locker area of Aldermarsh Auto Works between 16:15 and 19:15. The operation required specialized access privileges. Five people had any plausible connection: Elara (electrician), Noor (master mechanic), Tariq (painter), Penelope (machinist), Kasimir (parts clerk).

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#### Q Who took the master plans?

1. The employee locker area is normally accessed only via tool-crib key, and Noor's manager key was used at 16:15.
2. The theft required specialized access privileges – only Elara and Noor have this among the five.
3. Penelope was at the external facility the entire window during the window.
4. Kasimir was documented by the tool-checkout log in a different building during the window.
5. Tariq was at a scheduled conference call during the window.
6. Noor claims to have been out for a long break during the window. No supporting evidence has been provided.
7. Elara's witness coworker confirms they were at the off-site location from 16:15 to 19:15.

## Deduction Mysteries

### CASE 07

A calibration gauge was taken from the employee locker area of Pemberton Repair between 15:30 and 18:00. The operation required expert knowledge of the system. Five people had any plausible connection: Ginevra (painter), Hadley (parts clerk), Zephyr (quality inspector), Frida (welder), Polina (shop manager).

#### Q Who took the calibration gauge?

1. Ginevra was documented by the time-clock log in a different building during the window.
2. Zephyr was documented by the door sensor in a different building during the window.
3. Hadley claims to have been working alone in their office during the window. No supporting evidence has been provided.
4. Zephyr's shop key was not used at any point during the window.
5. Polina's time-clock log confirms they were at the off-site location from 15:30 to 18:00.
6. The theft required expert knowledge of the system – only Polina and Hadley have this among the five.
7. Frida was at the front desk the entire window during the window.
8. The employee locker area is normally accessed only via parts-room code, and Hadley's parts-room code was used at 15:30.

### CASE 08

A science project was taken from the faculty lounge of Cedarvale High between 13:30 and 16:15. The operation required authorized credentials. Five people had any plausible connection: Bjorn (principal), Aurora (substitute teacher), Joren (teacher), Cassia (secretary), Nizar (student council president).

#### Q Who took the science project?

1. Aurora's keycard log confirms they were at the remote facility from 13:30 to 16:15.
2. Cassia was documented by the attendance log in a different building during the window.
3. Nizar claims to have been out for a long break during the window. No supporting evidence has been provided.
4. The theft required authorized credentials – only Nizar and Aurora have this among the five.
5. Joren was at the external facility the entire window during the window.
6. Bjorn was documented by the door sensor in a different building during the window.
7. The faculty lounge is normally accessed only via master key, and Nizar's staff key was used at 13:30.

### CASE 09

The hospital ID badges were taken from the administrator office of Aldermarsh Clinic between 13:45 and 15:10. The operation required authorized credentials. Five people had any plausible connection: Bram (technician), Bao (medical resident), Anastasia (janitor), Dario (social worker), Zinnia (head nurse).

#### Q Who took the hospital ID badges?

1. The administrator office is normally accessed only via administrator code, and Dario's pharmacy key was used at 13:45.
2. Bram's door sensor confirms they were at the external office from 13:45 to 15:10.
3. Zinnia was at the external facility the entire window during the window.
4. The theft required authorized credentials – only Bram and Dario have this among the five.
5. Bao was documented by the door sensor in a different building during the window.
6. Anastasia was at the main office the entire window during the window.
7. Dario claims to have been working alone in their office during the window. No supporting evidence has been provided.

## Answer Key – Deduction Mysteries

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

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### Case 01 D) Esme

- ☒ The theft required specialized access privileges.
  - ☒ Juno lacks the required skill – cleared.
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### Case 02 B) Bayan

- ☒ The theft required authorized credentials.
  - ☒ Roksana lacks the required skill – cleared.
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### Case 03 A) Enzo

- ☒ The theft required required certifications.
  - ☒ Hasan lacks the required skill – cleared.
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### Case 04 E) Odell

- ☒ The theft required expert knowledge of the system.
  - ☒ Kerensa lacks the required skill – cleared.
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### Case 05 D) Gemma

- ☒ The data theft required specialized access privileges.
  - ☒ Eira lacks the required skill – cleared.
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### Case 06 E) Noor

- ☒ The theft required specialized access privileges.
  - ☒ Tariq lacks the required skill – cleared.
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### Case 07 C) Hadley

- ☒ The theft required expert knowledge of the system.
  - ☒ Ginevra lacks the required skill – cleared.
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### Case 08 E) Nizar

- ☒ The theft required authorized credentials.
  - ☒ Bjorn lacks the required skill – cleared.
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### Case 09 A) Dario

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