

Deduction Mysteries

CASE 01

A championship ring was taken from the locker room of Helix Sports Complex during the overnight window between 01:45 and 05:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Yusuf (facilities manager), Octavia (equipment manager), Adrian (assistant coach), Hasan (athletic trainer), Phaedra (referee), Joaquin (head coach), Simeon (team statistician), Hakim (rookie player). Several have strong-looking motives.

Q Who took the championship ring?

1. Hasan filed a grievance two weeks ago – appears to have motive.
2. Phaedra lacks administrator credentials – security audit confirms.
3. Simeon has all four requirements: elevated system privileges, administrator credentials, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 01:45 and 05:15).
4. The theft involved a network certificate signed by senior staff.
5. Simeon was officially signed out at 22:05 via the front-desk register.
6. Initial assumption pointed to Yusuf because of being seen near the building, but this has been independently ruled out.
7. Octavia's equipment sign-out shows them off-site the entire window.
8. Hakim has elevated system privileges and administrator credentials – initial suspicion was high.
9. Yusuf has administrator credentials and elevated system privileges and knowledge of the seal serial pattern – initial suspicion was high.
- 10 However: Hasan is cleared – but two independent witnesses confirm a video call with them throughout the window.
- 11 However: Yusuf is cleared – but facility camera places them at the hospital with a family emergency during the entire window.
- 12 Joaquin lacks administrator credentials – security audit confirms.

CASE 02

A curator notebook was taken from the special collections room of Saint-Clair Collection during the overnight window between 00:00 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Jules (cataloger), Eleni (volunteer), Akira (intern), Adrian (head librarian), Bjorn (reference librarian), Selene (rare-books curator), Anastasia (custodian), Yusuf (archivist). Several have strong-looking motives.

Q Who took the curator notebook?

1. Adrian lacks clean-room or vault clearance – security audit confirms.
2. The trace at the scene (a seal cut with a serial pattern from a specific supply) ties directly to inventory or systems uniquely accessible to Bjorn.
3. Eleni's badge swipe shows them off-site the entire window.
4. But: however DHCP log records show they re-authenticated from an internal network at 2:10.
5. Akira's witness patron shows them off-site the entire window.
6. Four independent requirements: a master key issued only to senior staff, clean-room or vault clearance, presence between 00:00 and 04:15, and possession of the specific tool used.
7. Anastasia clashed publicly with management – appears to have motive.
8. Jules has possession of the specific tool used and a master key issued only to senior staff – initial suspicion was high.
9. Bjorn claims to have exited the building at 22:30 – the official badge log confirms this.
- 10 The theft involved a seal cut with a serial pattern from a specific supply.
- 11 Initial assumption pointed to Eleni because of public friction with management, but this has been independently ruled out.
- 12 Bjorn has all four requirements: a master key issued only to senior staff, clean-room or vault clearance, possession of the specific tool used, and meets the temporal requirement (presence between 00:00 and 04:15).

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CASE 03

A final exam answer sheet was taken from the records office of Aldermarsh High during the overnight window between 01:15 and 04:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Eleni (librarian), Ronan (principal), Elara (department head), Isolde (coach), Nadia (secretary), Vera (substitute teacher), Zephyr (school counselor), Ravi (janitor). Several have strong-looking motives.

Q Who took the final exam answer sheet?

1. Vera's witness statement shows them off-site the entire window.
2. Eleni filed a grievance two weeks ago – appears to have motive.
3. Initial assumption pointed to Isolde because of being seen near the building, but this has been independently ruled out.
4. Ravi has only clean-room or vault clearance of the four requirements.
5. However: Eleni is cleared – but they were on a documented overnight flight, verified by airline records.
6. Elara was officially signed out at 23:20 via the front-desk register.
7. Nadia has specialized engineering certification and clean-room or vault clearance and knowledge of the seal serial pattern – initial suspicion was high.
8. Elara has all four requirements: specialized engineering certification, clean-room or vault clearance, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 01:15 and 04:00).
9. Isolde lacks specialized engineering certification – confirmed by personnel records.
- 10 But: however the unsecured pedestrian door doesn't require a badge to re-enter.
- 11 Four independent requirements: specialized engineering certification, clean-room or vault clearance, . presence between 01:15 and 04:00, and knowledge of the seal serial pattern.

CASE 04

A curator notebook was taken from the reference desk of Aldermarsh Library during the overnight window between 01:45 and 04:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Aleksandr (visiting scholar), Cyrus (cataloger), Tatum (volunteer), Joaquin (archivist), Wilder (rare-books curator), Arjun (custodian), Sami (intern). Several have strong-looking motives.

Q Who took the curator notebook?

1. Four independent requirements: specialized engineering certification, administrator credentials, presence between 01:45 and 04:00, and authorization to handle the item.
2. Cyrus lacks specialized engineering certification – confirmed by personnel records.
3. Wilder had financial pressure – appears to have motive.
4. The theft involved a hand-machined tool stocked in only one closet.
5. Tatum filed a grievance two weeks ago – appears to have motive.
6. But: however the unsecured service entrance doesn't require a badge to re-enter.
7. Sami has only specialized engineering certification of the four requirements.
8. Initial assumption pointed to Tatum because of being seen near the building, but this has been independently ruled out.
9. Joaquin has specialized engineering certification and administrator credentials – initial suspicion was high.
- 10 Arjun has all four requirements: specialized engineering certification, administrator credentials, . authorization to handle the item, and meets the temporal requirement (presence between 01:45 and 04:00).
- 11 Joaquin was passed over for a recent promotion – appears to have motive.

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CASE 05

A sports trophy was taken from the computer lab of Westbrook Academy during the overnight window between 00:30 and 03:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Klaus (student council president), Aleksandr (teacher), Yvonne (secretary), Polina (department head), Adrian (substitute teacher), Zinnia (school counselor), Ilya (janitor), Ines (librarian). Several have strong-looking motives.

Q Who took the sports trophy?

1. Aleksandr has all four requirements: clearance to the restricted archive, administrator credentials, familiarity with the security routing, and meets the temporal requirement (presence between 00:30 and 03:30).
2. However: Klaus is cleared – but they were on a documented overnight flight, verified by airline records.
3. Zinnia has only clearance to the restricted archive of the four requirements.
4. Ilya clashed publicly with management – appears to have motive.
5. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Aleksandr.
6. Ines lacks administrator credentials – security audit confirms.
7. Polina filed a grievance two weeks ago – appears to have motive.
8. Initial assumption pointed to Adrian because of proximity to the scene earlier, but this has been independently ruled out.
9. Polina has familiarity with the security routing and administrator credentials – initial suspicion was high.
- 10 Aleksandr was officially signed out at 22:10 via the front-desk register.
- 11 Adrian lacks administrator credentials – security audit confirms.

CASE 06

A custom engine part was taken from the blueprint room of Brightline Industrial during the overnight window between 01:30 and 05:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Zara (painter), Anand (customer service rep), Kenji (parts clerk), Sigrid (machinist), Eleni (welder), Sora (quality inspector), Joren (shop manager). Several have strong-looking motives.

Q Who took the custom engine part?

1. The theft involved a network certificate signed by senior staff.
2. Sigrid has possession of the specific tool used and administrator credentials – initial suspicion was high.
3. However: Eleni is cleared – but two independent witnesses confirm a video call with them throughout the window.
4. Anand was passed over for a recent promotion – appears to have motive.
5. Four independent requirements: advanced restoration training, administrator credentials, presence between 01:30 and 05:30, and possession of the specific tool used.
6. But: however pedestrian-door sensor records show they re-authenticated from an internal network at 2:05.
7. Initial assumption pointed to Sora because of proximity to the scene earlier, but this has been independently ruled out.
8. However: Sigrid is cleared – but two independent witnesses confirm a video call with them throughout the window.
9. Joren lacks administrator credentials – security audit confirms.
- 10 Eleni has possession of the specific tool used and administrator credentials and advanced . restoration training – initial suspicion was high.

Answer Key – Deduction Mysteries

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

Case 01 **undefined**) Simeon

- ☒ Four requirements (elevated system privileges, administrator credentials, presence between 01:45 and 05:15, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Hakim appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 **undefined**) Bjorn

- ☒ Four requirements (a master key issued only to senior staff, clean-room or vault clearance, presence between 00:00 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Selene appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 **C**) Elara

- ☒ Four requirements (specialized engineering certification, clean-room or vault clearance, presence between 01:15 and 04:00, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Zephyr appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 **C**) Arjun

- ☒ Four requirements (specialized engineering certification, administrator credentials, presence between 01:45 and 04:00, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Tatum appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 **D**) Aleksandr

- ☒ Four requirements (clearance to the restricted archive, administrator credentials, presence between 00:30 and 03:30, familiarity with the security routing) plus a unique technical trace narrow the case.
 - ☒ Klaus appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 **C**) Kenji

- ☒ Four requirements (advanced restoration training, administrator credentials, presence between 01:30 and 05:30, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Eleni appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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