

Deduction Mysteries

CASE 01

The signed jerseys were taken from the trophy display case of Helix Sports Complex during the overnight window between 00:15 and 04:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Juno (rookie player), Ronan (star player), Mateo (head coach), Bjorn (referee), Arjun (team statistician), Iolanthe (athletic trainer), Indira (team captain). Several have strong-looking motives.

Q Who took the signed jerseys?

1. Ronan clashed publicly with management – appears to have motive.
2. Iolanthe has possession of the specific tool used and after-hours building access – initial suspicion was high.
3. Initial assumption pointed to Mateo because of proximity to the scene earlier, but this has been independently ruled out.
4. However: Iolanthe is cleared – but locker-room sensor places them at the hospital with a family emergency during the entire window.
5. Iolanthe was passed over for a recent promotion – appears to have motive.
6. Mateo lacks a master key issued only to senior staff – confirmed by personnel records.
7. However: Juno is cleared – but time-clock record places them at the hospital with a family emergency during the entire window.
8. The theft involved a network certificate signed by senior staff.
9. However: Ronan is cleared – but locker-room sensor places them at the hospital with a family emergency during the entire window.
- 10 Juno has possession of the specific tool used and a master key issued only to senior staff and after-hours building access – initial suspicion was high.
- 11 Arjun has all four requirements: a master key issued only to senior staff, after-hours building access, possession of the specific tool used, and meets the temporal requirement (presence between 00:15 and 04:45).

CASE 02
The rehearsal recordings were taken from the catwalk of The Aldermarsh Theatre during the overnight window between 01:15 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Akhil (understudy), Sami (stage manager), Mateo (costume designer), Maeve (lead actor), Gisela (stagehand), Isolde (box-office manager), Bjorn (lighting tech), Yusuf (musical director). Several have strong-looking motives.

Q Who took the rehearsal recordings?

1. The theft involved an encryption signature tied to the internal training network.
2. Isolde has clearance to the restricted archive and possession of the specific tool used and clean-room or vault clearance – initial suspicion was high.
3. Yusuf has only clean-room or vault clearance of the four requirements.
4. However: Isolde is cleared – but they were on a documented overnight flight, verified by airline records.
5. Four independent requirements: clearance to the restricted archive, clean-room or vault clearance, presence between 01:15 and 04:15, and possession of the specific tool used.
6. Maeve filed a grievance two weeks ago – appears to have motive.
7. Gisela lacks clearance to the restricted archive – confirmed by personnel records.
8. Mateo filed a grievance two weeks ago – appears to have motive.
9. But: however elevator override log records show they re-authenticated from an internal network at 1:30.
- 10 Bjorn lacks clean-room or vault clearance – security audit confirms.
- 11 Initial assumption pointed to Sami because of public friction with management, but this has been independently ruled out.

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CASE 03

The locker contents were taken from the equipment shed of Aldermarsh Arena during the overnight window between 00:30 and 03:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Diallo (assistant coach), Cyrus (star player), Oren (equipment manager), Roksana (team captain), Eleni (rookie player), Bram (head coach), Tarek (referee), Joaquin (athletic trainer). Several have strong-looking motives.

Q Who took the locker contents?

1. Diallo has administrator credentials and authorization to handle the item and clearance to the restricted archive – initial suspicion was high.
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 Oren.
3. Tarek clashed publicly with management – appears to have motive.
4. Diallo filed a grievance two weeks ago – appears to have motive.
5. However: Tarek is cleared – but they were on a documented overnight flight, verified by airline records.
6. Four independent requirements: clearance to the restricted archive, administrator credentials, presence between 00:30 and 03:30, and authorization to handle the item.
7. Oren their video call ended at 23:15 according to the system.
8. The theft involved a seal cut with a serial pattern from a specific supply.
9. Initial assumption pointed to Tarek because of public friction with management, but this has been independently ruled out.
- 10 Tarek has authorization to handle the item and clearance to the restricted archive and administrator . credentials – initial suspicion was high.
- 11 However: Diallo is cleared – but they were on a documented overnight flight, verified by airline records.

CASE 04

A sound-system controller was taken from the prop storage of Argent Theatre during the overnight window between 00:30 and 04:30. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Ezra (prop master), Talia (musical director), Indira (lead actor), Kai (costume designer), Quentin (director), Katarina (stage manager), Faye (understudy). Several have strong-looking motives.

Q Who took the sound-system controller?

1. However: Kai is cleared – but two independent witnesses confirm a video call with them throughout the window.
2. However: Katarina is cleared – but they were on a documented overnight flight, verified by airline records.
3. But: however the seal serial registry shows their vehicle remained in the lot until well after 00:30.
4. Ezra has all four requirements: clearance to the restricted archive, administrator credentials, possession of the specific tool used, and meets the temporal requirement (presence between 00:30 and 04:30).
5. Faye has only possession of the specific tool used of the four requirements.
6. Ezra their video call ended at 22:45 according to the system.
7. Katarina had financial pressure – appears to have motive.
8. The theft involved a seal cut with a serial pattern from a specific supply.
9. However: Talia is cleared – but their box-office key was revoked the day before – confirmed in the security audit.
- 10 Talia has administrator credentials and clearance to the restricted archive – initial suspicion was . high.

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CASE 05

A staff payroll list was taken from the principal's office of Pemberton School during the overnight window between 01:45 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Suri (coach), Galina (substitute teacher), Lucia (school counselor), Cyrus (janitor), Faye (secretary), Cosima (department head), Roksana (librarian). Several have strong-looking motives.

Q Who took the staff payroll list?

1. Initial assumption pointed to Suri because of proximity to the scene earlier, but this has been independently ruled out.
2. Faye was passed over for a recent promotion – appears to have motive.
3. Suri has only possession of the specific tool used of the four requirements.
4. Roksana has possession of the specific tool used and clearance to the restricted archive – initial suspicion was high.
5. But: however the unsecured side stairwell doesn't require a badge to re-enter.
6. Galina has all four requirements: clearance to the restricted archive, clean-room or vault clearance, possession of the specific tool used, and meets the temporal requirement (presence between 01:45 and 04:15).
7. Lucia has only clean-room or vault clearance of the four requirements.
8. Cyrus lacks clearance to the restricted archive – confirmed by personnel records.
9. Cosima had financial pressure – appears to have motive.
- 10 Faye has clearance to the restricted archive and possession of the specific tool used and clean-room or vault clearance – initial suspicion was high.
- 11 However: Faye is cleared – but keycard log places them at the hospital with a family emergency during the entire window.

CASE 06

An illuminated codex was taken from the staff workroom of Quartermaine Archive during the overnight window between 02:30 and 06:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Eleni (head librarian), Mahdi (research assistant), Hattie (visiting scholar), Dario (cataloger), Nikolai (archivist), Magnus (intern), Selene (rare-books curator). Several have strong-looking motives.

Q Who took the illuminated codex?

1. But: however the unsecured side stairwell doesn't require a badge to re-enter.
2. The theft involved an encryption signature tied to the internal training network.
3. Dario has advanced restoration training and possession of the specific tool used and after-hours building access – initial suspicion was high.
4. Initial assumption pointed to Nikolai because of proximity to the scene earlier, but this has been independently ruled out.
5. However: Magnus is cleared – but two independent witnesses confirm a video call with them throughout the window.
6. Eleni filed a grievance two weeks ago – appears to have motive.
7. Mahdi claims to have exited the building at 23:20 – the official badge log confirms this.
8. Eleni has possession of the specific tool used and advanced restoration training and after-hours building access – initial suspicion was high.
9. Magnus has advanced restoration training and after-hours building access and possession of the specific tool used – initial suspicion was high.
- 10 Dario clashed publicly with management – appears to have motive.
- 11 The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Mahdi.

Answer Key – Deduction Mysteries

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

Case 01 F) Arjun

- Four requirements (a master key issued only to senior staff, after-hours building access, presence between 00:15 and 04:45, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Juno appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 C) Akhil

- Four requirements (clearance to the restricted archive, clean-room or vault clearance, presence between 01:15 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Isolde appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 F) Oren

- Four requirements (clearance to the restricted archive, administrator credentials, presence between 00:30 and 03:30, authorization to handle the item) 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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Case 04 C) Ezra

- Four requirements (clearance to the restricted archive, administrator credentials, presence between 00:30 and 04:30, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Katarina appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 A) Galina

- Four requirements (clearance to the restricted archive, clean-room or vault clearance, presence between 01:45 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Roksana appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 F) Mahdi

- Four requirements (advanced restoration training, after-hours building access, presence between 02:30 and 06:15, possession of the specific tool used) plus a unique technical trace narrow the case.
- Dario appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.