

Deduction Mysteries

CASE 01

An enzyme batch was swapped from the cold-storage freezer of Pemberton Pharmaceuticals during the overnight window between 00:00 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Jules (principal investigator), Oren (visiting scientist), Meriel (equipment manager), Zara (lab technician), Fenella (safety officer), Damaris (clinical coordinator), Beatrix (graduate student), Kalinda (operations manager). Several have strong-looking motives.

Q Who swapped the enzyme batch?

1. Fenella lacks clearance to the restricted archive – confirmed by personnel records.
2. The sample tampering involved a hand-machined tool stocked in only one closet.
3. However: Oren is cleared – but they were on a documented overnight flight, verified by airline records.
4. Jules has possession of the specific tool used and clearance to the restricted archive – initial suspicion was high.
5. Oren clashed publicly with management – appears to have motive.
6. Zara lacks clearance to the restricted archive – confirmed by personnel records.
7. Kalinda has only clearance to the restricted archive of the four requirements.
8. Initial assumption pointed to Damaris because of being seen near the building, but this has been independently ruled out.
9. Beatrix their video call ended at 23:35 according to the system.
- 10 Damaris has administrator credentials and clearance to the restricted archive and possession of the . specific tool used – initial suspicion was high.
- 11 Damaris clashed publicly with management – appears to have motive.

CASE 02

The locker contents were taken from the training facility of Brightline Fitness during the overnight window between 01:45 and 05:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Leila (rookie player), Dario (assistant coach), Idris (athletic trainer), Quentin (facilities manager), Daphne (team captain), Finnegan (equipment manager), Ginevra (head coach), Pavel (star player). Several have strong-looking motives.

Q Who took the locker contents?

1. Ginevra filed a grievance two weeks ago – appears to have motive.
2. Quentin lacks documented hands-on history with the item – security audit confirms.
3. Dario was passed over for a recent promotion – appears to have motive.
4. Finnegan lacks a master key issued only to senior staff – confirmed by personnel records.
5. However: Ginevra is cleared – but they were on a documented overnight flight, verified by airline records.
6. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Leila.
7. The theft involved an encryption signature tied to the internal training network.
8. Ginevra has a master key issued only to senior staff and possession of the specific tool used – initial suspicion was high.
9. But: however the unsecured side stairwell doesn't require a badge to re-enter.
- 10 Four independent requirements: a master key issued only to senior staff, documented hands-on history . with the item, presence between 01:45 and 05:45, and possession of the specific tool used.
- 11 However: Dario is cleared – but equipment sign-out places them at the hospital with a family . emergency during the entire window.

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CASE 03

An original script was taken from the costume room of Argent Theatre during the overnight window between 01:00 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Priya (lead actor), Pavel (costume designer), Dimah (box-office manager), Quincy (understudy), Wilder (director), Juno (stagehand), Eleni (prop master), Hakim (lighting tech). Several have strong-looking motives.

Q Who took the original script?

1. Hakim lacks documented hands-on history with the item – security audit confirms.
2. Juno has a master key issued only to senior staff and documented hands-on history with the item – initial suspicion was high.
3. Quincy claims to have exited the building at 22:10 – the official badge log confirms this.
4. Pavel has a master key issued only to senior staff and knowledge of the seal serial pattern – initial suspicion was high.
5. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Quincy.
6. Pavel filed a grievance two weeks ago – appears to have motive.
7. But: however VPN session record records show they re-authenticated from an internal network at 1:00.
8. Dimah has only documented hands-on history with the item of the four requirements.
9. Juno filed a grievance two weeks ago – appears to have motive.
10. Priya has a master key issued only to senior staff and knowledge of the seal serial pattern – initial suspicion was high.
11. Four independent requirements: a master key issued only to senior staff, documented hands-on history with the item, presence between 01:00 and 04:15, and knowledge of the seal serial pattern.
12. Wilder lacks documented hands-on history with the item – security audit confirms.

CASE 04

A lead actor's costume was taken from the catwalk of Northgate Stage during the overnight window between 01:00 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Renata (musical director), Iolanthe (costume designer), Thora (stage manager), Joren (understudy), Cassia (prop master), Bjorn (box-office manager), Kerensa (lighting tech). Several have strong-looking motives.

Q Who took the lead actor's costume?

1. Cassia claims to have exited the building at 23:20 – the official badge log confirms this.
2. Cassia has all four requirements: a master key issued only to senior staff, a verified relationship with the donor, familiarity with the security routing, and meets the temporal requirement (presence between 01:00 and 04:15).
3. Kerensa had financial pressure – appears to have motive.
4. Bjorn had financial pressure – appears to have motive.
5. Bjorn has a verified relationship with the donor and a master key issued only to senior staff and familiarity with the security routing – initial suspicion was high.
6. Iolanthe lacks a verified relationship with the donor – security audit confirms.
7. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Cassia.
8. However: Kerensa is cleared – but witness crew member places them at the hospital with a family emergency during the entire window.
9. However: Bjorn is cleared – but their prop-room code was revoked the day before – confirmed in the security audit.
10. Thora's dressing-room sign-in shows them off-site the entire window.

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CASE 05

The tax records were taken from the restricted reading room of City Records Office during the overnight window between 01:00 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Zoltan (clerk), Cosima (records administrator), Eira (intern), Xiomara (volunteer), Bao (conservation specialist), Marisol (head archivist), Ishaan (researcher). Several have strong-looking motives.

Q Who took the tax records?

1. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
2. However: Zoltan is cleared – but they were on a documented overnight flight, verified by airline records.
3. Cosima was officially signed out at 22:50 via the front-desk register.
4. However: Xiomara is cleared – but two independent witnesses confirm a video call with them throughout the window.
5. Cosima has all four requirements: advanced restoration training, clean-room or vault clearance, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 01:00 and 04:15).
6. Xiomara has clean-room or vault clearance and knowledge of the seal serial pattern – initial suspicion was high.
7. Eira has only clean-room or vault clearance of the four requirements.
8. However: Marisol is cleared – but two independent witnesses confirm a video call with them throughout the window.
9. Zoltan had financial pressure – appears to have motive.
- 10 Four independent requirements: advanced restoration training, clean-room or vault clearance, . presence between 01:00 and 04:15, and knowledge of the seal serial pattern.

CASE 06

The pharmacy keys were taken from the imaging room of Brierfield Hospital during the overnight window between 02:45 and 05:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Sora (janitor), Ishaan (medical resident), Adrian (attending physician), Dimitri (volunteer), Olive (head nurse), Aleksandr (technician), Klaus (security officer). Several have strong-looking motives.

Q Who took the pharmacy keys?

1. The theft involved a network certificate signed by senior staff.
2. Dimitri has advanced restoration training and possession of the specific tool used and clean-room or vault clearance – initial suspicion was high.
3. Sora had financial pressure – appears to have motive.
4. Olive was officially signed out at 23:55 via the front-desk register.
5. However: Adrian is cleared – but two independent witnesses confirm a video call with them throughout the window.
6. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Olive.
7. However: Dimitri is cleared – but pharmacy CCTV places them at the hospital with a family emergency during the entire window.
8. But: however the unsecured side stairwell doesn't require a badge to re-enter.
9. Adrian has clean-room or vault clearance and advanced restoration training – initial suspicion was high.
- 10 Klaus's elevator log shows them off-site the entire window.
- 11 Dimitri clashed publicly with management – appears to have motive.

Answer Key – Deduction Mysteries

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

Case 01 A) Beatrix

- Four requirements (clearance to the restricted archive, administrator credentials, presence between 00:00 and 04:15, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Jules appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 D) Leila

- Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 01:45 and 05:45, possession of the specific tool used) plus a unique technical trace narrow the case.
 - Pavel appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 A) Quincy

- Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 01:00 and 04:15, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - Priya appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 F) Cassia

- Four requirements (a master key issued only to senior staff, a verified relationship with the donor, presence between 01:00 and 04:15, familiarity with the security routing) plus a unique technical trace narrow the case.
 - Joren appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 A) Cosima

- Four requirements (advanced restoration training, clean-room or vault clearance, presence between 01:00 and 04:15, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - Marisol appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 F) Olive

- Four requirements (advanced restoration training, clean-room or vault clearance, presence between 02:45 and 05:15, possession of the specific tool used) plus a unique technical trace narrow the case.
- Dimitri appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.