

Deduction Mysteries

CASE 01

A rare coin set was taken from the archive room of Pemberton Wing during the overnight window between 02:45 and 06:00. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Ishaan (curator), Kalinda (night security), Katarina (janitor), Amari (gift shop manager), Odell (tour guide), Ula (docent), Suri (security guard). Several have strong-looking motives.

Q Who took the rare coin set?

1. Amari has after-hours building access and clearance to the restricted archive and authorization to handle the item – initial suspicion was high.
2. However: Katarina is cleared – but elevator log places them at the hospital with a family emergency during the entire window.
3. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Ishaan.
4. Katarina has authorization to handle the item and after-hours building access and clearance to the restricted archive – initial suspicion was high.
5. Kalinda lacks clearance to the restricted archive – confirmed by personnel records.
6. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
7. Ishaan their video call ended at 22:15 according to the system.
8. However: Amari is cleared – but two independent witnesses confirm a video call with them throughout the window.
9. But: however VPN session record records show they re-authenticated from an internal network at 2:45.
- 10 Four independent requirements: clearance to the restricted archive, after-hours building access, presence between 02:45 and 06:00, and authorization to handle the item.
- 11 Ula lacks after-hours building access – security audit confirms.

CASE 02

A wine collection inventory was taken from the manager's office of Aldermarsh Bistro during the overnight window between 02:30 and 05:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Zinnia (bartender), Akira (line cook), Gunnar (pastry chef), Tess (host), Yvonne (head chef), Simeon (sommelier), Ronan (dishwasher), Diallo (server). Several have strong-looking motives.

Q Who took the wine collection inventory?

1. Gunnar has knowledge of the seal serial pattern and a master key issued only to senior staff and administrator credentials – initial suspicion was high.
2. Yvonne's time-clock record shows them off-site the entire window.
3. The trace at the scene (a foam replica skillfully painted with restoration-grade spray paint) ties directly to inventory or systems uniquely accessible to Diallo.
4. However: Gunnar is cleared – but two independent witnesses confirm a video call with them throughout the window.
5. Four independent requirements: a master key issued only to senior staff, administrator credentials, presence between 02:30 and 05:45, and knowledge of the seal serial pattern.
6. Tess has administrator credentials and knowledge of the seal serial pattern – initial suspicion was high.
7. Gunnar was passed over for a recent promotion – appears to have motive.
8. Tess had financial pressure – appears to have motive.
9. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
- 10 But: however parking-lot camera records show they re-authenticated from an internal network at 1:40.
- 11 Simeon was passed over for a recent promotion – appears to have motive.

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CASE 03

A game-day playbook was taken from the equipment shed of Helix Sports Complex during the overnight window between 02:30 and 06:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Dimah (team captain), Beatrix (athletic trainer), Anastasia (team statistician), Mauro (assistant coach), Etienne (referee), Ishaan (star player), Theo (equipment manager), Meriel (head coach). Several have strong-looking motives.

Q Who took the game-day playbook?

1. However: Anastasia is cleared – but their team key was revoked the day before – confirmed in the security audit.
2. Meriel lacks documented hands-on history with the item – security audit confirms.
3. Anastasia has a master key issued only to senior staff and authorization to handle the item – initial suspicion was high.
4. However: Mauro is cleared – but their team key was revoked the day before – confirmed in the security audit.
5. Mauro was passed over for a recent promotion – appears to have motive.
6. Dimah has a master key issued only to senior staff and documented hands-on history with the item – initial suspicion was high.
7. Beatrix claims to have exited the building at 22:50 – the official badge log confirms this.
8. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Beatrix.
9. Initial assumption pointed to Etienne because of proximity to the scene earlier, but this has been independently ruled out.
- 10 The theft involved an encryption signature tied to the internal training network.
- 11 But: however the parking-lot camera shows their vehicle remained in the lot until well after 02:30.

CASE 04

The pharmacy keys were taken from the administrator office of Northgate Memorial during the overnight window between 00:45 and 04:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Dario (pharmacist), Finnegan (janitor), Simeon (attending physician), Ula (technician), Rhys (volunteer), Bayan (security officer), Dimah (administrator). Several have strong-looking motives.

Q Who took the pharmacy keys?

1. Bayan has specialized engineering certification and a verified relationship with the donor – initial suspicion was high.
2. Ula lacks a verified relationship with the donor – security audit confirms.
3. Finnegan has a verified relationship with the donor and possession of the specific tool used and specialized engineering certification – initial suspicion was high.
4. Simeon has all four requirements: specialized engineering certification, a verified relationship with the donor, possession of the specific tool used, and meets the temporal requirement (presence between 00:45 and 04:45).
5. But: however the unsecured pedestrian door doesn't require a badge to re-enter.
6. Simeon was officially signed out at 23:25 via the front-desk register.
7. However: Dario is cleared – but they were on a documented overnight flight, verified by airline records.
8. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Simeon.
9. However: Finnegan is cleared – but medication audit places them at the hospital with a family emergency during the entire window.
- 10 Rhys lacks a verified relationship with the donor – security audit confirms.

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CASE 05

A sealed contract was taken from the executive suite of Meridian Capital during the overnight window between 00:30 and 03:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Kenji (CFO), Nikolai (HR director), Daphne (executive assistant), Hattie (records clerk), Lucia (security officer), Anastasia (IT administrator), Tatum (legal counsel), Simeon (facilities coordinator). Several have strong-looking motives.

Q Who took the sealed contract?

1. However: Lucia is cleared – but they were on a documented overnight flight, verified by airline records.
2. Lucia clashed publicly with management – appears to have motive.
3. Initial assumption pointed to Lucia because of being seen near the building, but this has been independently ruled out.
4. Nikolai had financial pressure – appears to have motive.
5. 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 Hattie.
6. Nikolai has a master key issued only to senior staff and after-hours building access – initial suspicion was high.
7. Daphne lacks after-hours building access – security audit confirms.
8. However: Nikolai is cleared – but their admin credentials was revoked the day before – confirmed in the security audit.
9. Four independent requirements: a master key issued only to senior staff, after-hours building access, presence between 00:30 and 03:00, and knowledge of the seal serial pattern.
- 10 The corporate theft involved a seal cut with a serial pattern from a specific supply.
- 11 But: however the VPN session record shows their vehicle remained in the lot until well after 00:30.

CASE 06

A final exam answer sheet was taken from the science lab of Saint-Clair School during the overnight window between 01:15 and 04:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Noor (principal), Maeve (student council president), Tariq (teacher), Fenella (school counselor), Anand (librarian), Nadia (substitute teacher), Kasper (department head), Caelan (janitor). Several have strong-looking motives.

Q Who took the final exam answer sheet?

1. Caelan their video call ended at 23:45 according to the system.
2. Four independent requirements: elevated system privileges, a verified relationship with the donor, presence between 01:15 and 04:30, and knowledge of the seal serial pattern.
3. Anand has elevated system privileges and a verified relationship with the donor and knowledge of the seal serial pattern – initial suspicion was high.
4. Fenella's hallway camera shows them off-site the entire window.
5. But: however the unsecured pedestrian door doesn't require a badge to re-enter.
6. Nadia lacks elevated system privileges – confirmed by personnel records.
7. Anand was passed over for a recent promotion – appears to have motive.
8. Noor clashed publicly with management – appears to have motive.
9. Noor has a verified relationship with the donor and elevated system privileges and knowledge of the seal serial pattern – initial suspicion was high.
- 10 Initial assumption pointed to Kasper because of proximity to the scene earlier, but this has been independently ruled out.
- 11 The theft involved a hand-machined tool stocked in only one closet.
- 12 However: Kasper is cleared – but witness statement places them at the hospital with a family emergency during the entire window.

Answer Key – Deduction Mysteries

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

Case 01 `undefined`) Ishaan

- ☒ Four requirements (clearance to the restricted archive, after-hours building access, presence between 02:45 and 06:00, authorization to handle the item) 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 02 B) Diallo

- ☒ Four requirements (a master key issued only to senior staff, administrator credentials, presence between 02:30 and 05:45, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Gunnar appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 `undefined`) Beatrix

- ☒ Four requirements (a master key issued only to senior staff, documented hands-on history with the item, presence between 02:30 and 06:15, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Mauro appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 `undefined`) Simeon

- ☒ Four requirements (specialized engineering certification, a verified relationship with the donor, presence between 00:45 and 04:45, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Bayan appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 A) Hattie

- ☒ Four requirements (a master key issued only to senior staff, after-hours building access, presence between 00:30 and 03:00, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
 - ☒ Lucia appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 A) Caelan

- ☒ Four requirements (elevated system privileges, a verified relationship with the donor, presence between 01:15 and 04:30, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
- ☒ Kasper appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.