

Deduction Mysteries

CASE 01

A staff schedule was taken from the wine cellar of Quartermaine's during the overnight window between 00:30 and 04:15. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Marisol (pastry chef), Kalinda (head chef), Rhys (manager), Stellan (line cook), Cosima (dishwasher), Esme (server), Florian (bartender). Several have strong-looking motives.

Q Who took the staff schedule?

1. However: Kalinda is cleared – but kitchen camera places them at the hospital with a family emergency during the entire window.
2. Marisol was officially signed out at 23:00 via the front-desk register.
3. Rhys clashed publicly with management – appears to have motive.
4. Florian lacks after-hours building access – security audit confirms.
5. Rhys has authorization to handle the item and clearance to the restricted archive – initial suspicion was high.
6. Cosima had financial pressure – appears to have motive.
7. Initial assumption pointed to Rhys because of proximity to the scene earlier, but this has been independently ruled out.
8. Esme has only authorization to handle the item of the four requirements.
9. Kalinda has after-hours building access and clearance to the restricted archive – initial suspicion was high.
- 10 Stellan has only after-hours building access of the four requirements.
- 11 The theft involved a network certificate signed by senior staff.
- 12 Kalinda filed a grievance two weeks ago – appears to have motive.

CASE 02

A tournament prize money was taken from the administration office of Saint-Clair Field House during the overnight window between 01:30 and 04:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Akira (team statistician), Florian (equipment manager), Nadia (rookie player), Kenji (assistant coach), Simeon (star player), Ines (referee), Ilya (facilities manager). Several have strong-looking motives.

Q Who took the tournament prize money?

1. Akira filed a grievance two weeks ago – appears to have motive.
2. However: Akira is cleared – but they were on a documented overnight flight, verified by airline records.
3. 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 Nadia.
4. Four independent requirements: advanced restoration training, after-hours building access, presence between 01:30 and 04:45, and authorization to handle the item.
5. Nadia claims to have exited the building at 23:25 – the official badge log confirms this.
6. Nadia has all four requirements: advanced restoration training, after-hours building access, authorization to handle the item, and meets the temporal requirement (presence between 01:30 and 04:45).
7. Simeon has authorization to handle the item and after-hours building access and advanced restoration training – initial suspicion was high.
8. Akira has advanced restoration training and authorization to handle the item – initial suspicion was high.
9. Florian's locker-room sensor shows them off-site the entire window.

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CASE 03

A source code repository was extracted from the server farm of Brightline Software during the overnight window between 01:30 and 04:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Rosalind (product manager), Tess (site-reliability engineer), Jacinta (intern), Ishaan (contractor), Akhil (senior engineer), Tomas (security analyst), Anand (CTO), Klaus (data scientist). Several have strong-looking motives.

Q Who extracted the source code repository?

1. Four independent requirements: specialized engineering certification, clean-room or vault clearance, presence between 01:30 and 04:30, and authorization to handle the item.
2. Initial assumption pointed to Klaus because of public friction with management, but this has been independently ruled out.
3. The data theft involved a network certificate signed by senior staff.
4. Rosalind clashed publicly with management – appears to have motive.
5. However: Jacinta is cleared – but badge swipe places them at the hospital with a family emergency during the entire window.
6. But: however pedestrian-door sensor records show they re-authenticated from an internal network at 1:40.
7. The trace at the scene (a network certificate signed by senior staff) ties directly to inventory or systems uniquely accessible to Tomas.
8. Rosalind has authorization to handle the item and clean-room or vault clearance – initial suspicion was high.
9. Tomas their video call ended at 22:20 according to the system.
- 10 Jacinta has specialized engineering certification and clean-room or vault clearance – initial suspicion was high.

CASE 04

A customer credit-card list was extracted from the network closet of Quartermaine Cyber during the overnight window between 01:15 and 04:15. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Beatrix (support lead), Alessio (DevOps lead), Bram (product manager), Ravi (site-reliability engineer), Kerensa (security analyst), Talia (data scientist), Aaliyah (CTO), Zara (senior engineer). Several have strong-looking motives.

Q Who extracted the customer credit-card list?

1. Beatrix was passed over for a recent promotion – appears to have motive.
2. Aaliyah has all four requirements: a master key issued only to senior staff, clean-room or vault clearance, authorization to handle the item, and meets the temporal requirement (presence between 01:15 and 04:15).
3. Bram has a master key issued only to senior staff and clean-room or vault clearance – initial suspicion was high.
4. However: Bram is cleared – but their VPN credentials was revoked the day before – confirmed in the security audit.
5. Ravi has only clean-room or vault clearance of the four requirements.
6. Talia was passed over for a recent promotion – appears to have motive.
7. The data theft involved a foam replica skillfully painted with restoration-grade spray paint.
8. Four independent requirements: a master key issued only to senior staff, clean-room or vault clearance, presence between 01:15 and 04:15, and authorization to handle the item.
9. Kerensa lacks clean-room or vault clearance – security audit confirms.
- 10 However: Beatrix is cleared – but SSH authentication log places them at the hospital with a family emergency during the entire window.

Deduction Mysteries

CASE 05

The rehearsal recordings were taken from the box office of Northgate Stage during the overnight window between 01:00 and 05:30. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Suri (understudy), Zephyr (musical director), Elara (lead actor), Wilder (lighting tech), Meriel (director), Kai (prop master), Joaquin (stagehand), Marisol (stage manager). Several have strong-looking motives.

Q Who took the rehearsal recordings?

1. Four independent requirements: clearance to the restricted archive, documented hands-on history with the item, presence between 01:00 and 05:30, and possession of the specific tool used.
2. Kai has possession of the specific tool used and documented hands-on history with the item and clearance to the restricted archive – initial suspicion was high.
3. Suri lacks clearance to the restricted archive – confirmed by personnel records.
4. Kai had financial pressure – appears to have motive.
5. Marisol has possession of the specific tool used and documented hands-on history with the item – initial suspicion was high.
6. But: however the seal serial registry shows their vehicle remained in the lot until well after 01:00.
7. However: Kai is cleared – but two independent witnesses confirm a video call with them throughout the window.
8. Initial assumption pointed to Wilder because of public friction with management, but this has been independently ruled out.
9. However: Marisol is cleared – but they were on a documented overnight flight, verified by airline records.
- 10 The theft involved an encryption signature tied to the internal training network.
- 11 However: Joaquin is cleared – but two independent witnesses confirm a video call with them throughout the window.

CASE 06

A grading book was taken from the computer lab of Pemberton School during the overnight window between 02:15 and 05:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Vera (substitute teacher), Nadia (principal), Mauro (department head), Gisela (school counselor), Helena (janitor), Amari (student council president), Cassia (secretary), Florian (librarian). Several have strong-looking motives.

Q Who took the grading book?

1. Amari has only advanced restoration training of the four requirements.
2. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Helena.
3. Nadia has possession of the specific tool used and after-hours building access – initial suspicion was high.
4. The theft involved an encryption signature tied to the internal training network.
5. Helena has all four requirements: advanced restoration training, after-hours building access, possession of the specific tool used, and meets the temporal requirement (presence between 02:15 and 05:00).
6. However: Florian is cleared – but their master key was revoked the day before – confirmed in the security audit.
7. However: Mauro is cleared – but their keypad code was revoked the day before – confirmed in the security audit.
8. Mauro clashed publicly with management – appears to have motive.
9. Mauro has after-hours building access and possession of the specific tool used – initial suspicion was high.
- 10 Florian was passed over for a recent promotion – appears to have motive.

Answer Key – Deduction Mysteries

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

Case 01 **undefined**) Marisol

- ☒ Four requirements (clearance to the restricted archive, after-hours building access, presence between 00:30 and 04:15, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Rhys appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 02 **F**) Nadia

- ☒ Four requirements (advanced restoration training, after-hours building access, presence between 01:30 and 04:45, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Ines appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 03 **C**) Tomas

- ☒ Four requirements (specialized engineering certification, clean-room or vault clearance, presence between 01:30 and 04:30, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Tess appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 04 **B**) Aaliyah

- ☒ Four requirements (a master key issued only to senior staff, clean-room or vault clearance, presence between 01:15 and 04:15, authorization to handle the item) plus a unique technical trace narrow the case.
 - ☒ Bram appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 05 **E**) Zephyr

- ☒ Four requirements (clearance to the restricted archive, documented hands-on history with the item, presence between 01:00 and 05:30, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Joaquin appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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Case 06 **C**) Helena

- ☒ Four requirements (advanced restoration training, after-hours building access, presence between 02:15 and 05:00, possession of the specific tool used) plus a unique technical trace narrow the case.
 - ☒ Nadia appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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