

## Deduction Mysteries

### CASE 01

An original script was taken from the catwalk of Helix Repertory during the overnight window between 00:00 and 04:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Kai (musical director), Hiroshi (prop master), Suri (director), Ula (costume designer), Ulla (lead actor), Mikael (understudy), Kerensa (stage manager), Eitan (stagehand). Several have strong-looking motives.

#### Q Who took the original script?

1. Four independent requirements: clearance to the restricted archive, clean-room or vault clearance, presence between 00:00 and 04:45, and knowledge of the seal serial pattern.
2. However: Kerensa is cleared – but two independent witnesses confirm a video call with them throughout the window.
3. Hiroshi lacks clearance to the restricted archive – confirmed by personnel records.
4. Ula clashed publicly with management – appears to have motive.
5. However: Ula is cleared – but two independent witnesses confirm a video call with them throughout the window.
6. But: however the unsecured pedestrian door doesn't require a badge to re-enter.
7. Suri was officially signed out at 23:20 via the front-desk register.
8. The theft involved a foam replica skillfully painted with restoration-grade spray paint.
9. Mikael's dressing-room sign-in shows them off-site the entire window.
- 10 Eitan clashed publicly with management – appears to have motive.
- 11 Suri has all four requirements: clearance to the restricted archive, clean-room or vault clearance, knowledge of the seal serial pattern, and meets the temporal requirement (presence between 00:00 and 04:45).
- 12 Eitan has clearance to the restricted archive and knowledge of the seal serial pattern and clean-room or vault clearance – initial suspicion was high.

### CASE 02

A championship ring was taken from the equipment room of Helix Sports Complex during the overnight window between 02:30 and 06:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Akira (head coach), Tess (team statistician), Caelan (referee), Zephyr (assistant coach), Ronan (facilities manager), Ishaan (star player), Arjun (equipment manager). Several have strong-looking motives.

#### Q Who took the championship ring?

1. But: however the unsecured side stairwell doesn't require a badge to re-enter.
2. Four independent requirements: a master key issued only to senior staff, after-hours building access, presence between 02:30 and 06:45, and possession of the specific tool used.
3. However: Akira is cleared – but locker-room sensor places them at the hospital with a family emergency during the entire window.
4. Arjun their video call ended at 23:00 according to the system.
5. Initial assumption pointed to Zephyr because of being seen near the building, but this has been independently ruled out.
6. The theft involved a hand-machined tool stocked in only one closet.
7. Zephyr's facility camera shows them off-site the entire window.
8. Ishaan has possession of the specific tool used and a master key issued only to senior staff – initial suspicion was high.
9. Ishaan clashed publicly with management – appears to have motive.
- 10 However: Tess is cleared – but their locker code was revoked the day before – confirmed in the security audit.
- 11 Akira had financial pressure – appears to have motive.

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### CASE 03

A member roster was taken from the trophy display case 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: Noor (equipment manager), Fenella (star player), Ginevra (facilities manager), Juno (rookie player), Wilder (referee), Anastasia (team captain), Jian (assistant coach). Several have strong-looking motives.

#### Q Who took the member roster?

1. Wilder claims to have exited the building at 22:30 – the official badge log confirms this.
2. Initial assumption pointed to Juno because of public friction with management, but this has been independently ruled out.
3. Anastasia has clean-room or vault clearance and authorization to handle the item and clearance to the restricted archive – initial suspicion was high.
4. Juno lacks clean-room or vault clearance – security audit confirms.
5. Jian has clean-room or vault clearance and clearance to the restricted archive – initial suspicion was high.
6. Jian clashed publicly with management – appears to have motive.
7. However: Ginevra is cleared – but time-clock record places them at the hospital with a family emergency during the entire window.
8. Ginevra clashed publicly with management – appears to have motive.
9. The theft involved a network certificate signed by senior staff.
- 10 Ginevra has clearance to the restricted archive and clean-room or vault clearance and authorization to handle the item – initial suspicion was high.
- 11 However: Anastasia is cleared – but their facility badge was revoked the day before – confirmed in the security audit.

### CASE 04

A staff schedule was taken from the front register of The Briar Room during the overnight window between 00:00 and 03:00. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Joaquin (bartender), Katarina (host), Lucia (sommelier), Hasan (server), Ronan (manager), Alejandro (dishwasher), Eleni (line cook), Simeon (pastry chef). Several have strong-looking motives.

#### Q Who took the staff schedule?

1. Joaquin has knowledge of the seal serial pattern and documented hands-on history with the item – initial suspicion was high.
2. Initial assumption pointed to Alejandro because of public friction with management, but this has been independently ruled out.
3. But: however the parking-lot camera shows their vehicle remained in the lot until well after 00:00.
4. Hasan claims to have exited the building at 22:35 – the official badge log confirms this.
5. Lucia lacks documented hands-on history with the item – security audit confirms.
6. Eleni has documented hands-on history with the item and elevated system privileges – initial suspicion was high.
7. Four independent requirements: elevated system privileges, documented hands-on history with the item, presence between 00:00 and 03:00, and knowledge of the seal serial pattern.
8. Alejandro has documented hands-on history with the item and elevated system privileges and knowledge of the seal serial pattern – initial suspicion was high.
9. The theft involved an encryption signature tied to the internal training network.
- 10 However: Joaquin is cleared – but two independent witnesses confirm a video call with them throughout the window.

## Deduction Mysteries

### CASE 05

An expensive welding rod was taken from the manager's office of Pemberton Repair during the overnight window between 02:15 and 06:45. The operation required specific qualifications, access, and timing. 8 suspects are under investigation: Galina (shop manager), Katarina (painter), Leander (parts clerk), Yara (welder), Cedric (apprentice), Adrian (master mechanic), Octavia (quality inspector), Sigrid (electrician). Several have strong-looking motives.

#### Q Who took the expensive welding rod?

1. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Sigrid.
2. Katarina's shop camera shows them off-site the entire window.
3. Four independent requirements: clearance to the restricted archive, documented hands-on history with the item, presence between 02:15 and 06:45, and familiarity with the security routing.
4. Initial assumption pointed to Katarina because of being seen near the building, but this has been independently ruled out.
5. Yara has clearance to the restricted archive and familiarity with the security routing and documented hands-on history with the item – initial suspicion was high.
6. Cedric filed a grievance two weeks ago – appears to have motive.
7. However: Yara is cleared – but parts-room audit places them at the hospital with a family emergency during the entire window.
8. Galina lacks clearance to the restricted archive – confirmed by personnel records.
9. Octavia has only familiarity with the security routing of the four requirements.
- 10 Yara had financial pressure – appears to have motive.
- 11 Sigrid has all four requirements: clearance to the restricted archive, documented hands-on history with the item, familiarity with the security routing, and meets the temporal requirement (presence between 02:15 and 06:45).

### CASE 06

A machine shop key set was taken from the blueprint room of Aldermarsh Auto Works during the overnight window between 00:45 and 04:45. The operation required specific qualifications, access, and timing. 7 suspects are under investigation: Cyrus (painter), Fariha (welder), Suri (customer service rep), Darya (electrician), Fenella (apprentice), Wren (master mechanic), Mauro (shop manager). Several have strong-looking motives.

#### Q Who took the machine shop key set?

1. However: Wren is cleared – but they were on a documented overnight flight, verified by airline records.
2. Initial assumption pointed to Darya because of proximity to the scene earlier, but this has been independently ruled out.
3. Mauro has specialized engineering certification and knowledge of the seal serial pattern and clean-room or vault clearance – initial suspicion was high.
4. Cyrus has knowledge of the seal serial pattern and clean-room or vault clearance – initial suspicion was high.
5. Cyrus had financial pressure – appears to have motive.
6. But: however the seal serial registry shows their vehicle remained in the lot until well after 00:45.
7. The trace at the scene (an encryption signature tied to the internal training network) ties directly to inventory or systems uniquely accessible to Suri.
8. Fenella lacks clean-room or vault clearance – security audit confirms.
9. Suri claims to have exited the building at 23:30 – the official badge log confirms this.
- 10 Four independent requirements: specialized engineering certification, clean-room or vault clearance, presence between 00:45 and 04:45, and knowledge of the seal serial pattern.

## Answer Key – Deduction Mysteries

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

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### Case 01 **undefined**) Suri

- ☒ Four requirements (clearance to the restricted archive, clean-room or vault clearance, presence between 00:00 and 04:45, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
  - ☒ Eitan appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 02 **E**) Arjun

- ☒ Four requirements (a master key issued only to senior staff, after-hours building access, presence between 02:30 and 06:45, possession of the specific tool used) 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 03 **A**) Wilder

- ☒ Four requirements (clearance to the restricted archive, clean-room or vault clearance, presence between 01:30 and 04:45, authorization to handle the item) plus a unique technical trace narrow the case.
  - ☒ Ginevra appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 04 **C**) Hasan

- ☒ Four requirements (elevated system privileges, documented hands-on history with the item, presence between 00:00 and 03:00, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
  - ☒ Alejandro appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 05 **F**) Sigrid

- ☒ Four requirements (clearance to the restricted archive, documented hands-on history with the item, presence between 02:15 and 06:45, familiarity with the security routing) plus a unique technical trace narrow the case.
  - ☒ Cedric appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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### Case 06 **A**) Suri

- ☒ Four requirements (specialized engineering certification, clean-room or vault clearance, presence between 00:45 and 04:45, knowledge of the seal serial pattern) plus a unique technical trace narrow the case.
  - ☒ Wren appears guilty (has multiple requirements, has motive) but is cleared by an independent verification.
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