

Deduction Mysteries

CASE 01

A VIP patient file was taken from the intensive care wing of Helix Health Center during the overnight window between 20:45 and 22:00. Investigators have narrowed the field to 6 suspects: Xiomara (administrator), Joaquin (social worker), Kerensa (security officer), Rhys (medical resident), Zephyr (attending physician), Indira (pharmacist).

Q Who took the VIP patient file?

1. Kerensa's door sensor places them at a remote conference from 20:45 to roughly 22:00.
2. Zephyr's administrator code was activated at 20:45 at the intensive care wing.
3. Administrator code access to the intensive care wing is restricted to Zephyr, Kerensa, Joaquin.
4. Indira's pharmacy CCTV places them at a public event with hundreds of attendees from 20:45 to roughly 22:00.
5. Xiomara's elevator log places them at a public event with hundreds of attendees from 20:45 to roughly 22:00.
6. Rhys's pharmacy CCTV places them at a public event with hundreds of attendees from 20:45 to roughly 22:00.
7. The theft required firmware manipulation. Only Zephyr, Xiomara, Kerensa have it among the suspects.
8. A discarded note near the scene briefly suggested Kerensa's involvement, but it was later traced to an unrelated incident.
9. Zephyr had passed-over promotion, well-documented in HR records.
- 10 Zephyr has no verifiable account of their whereabouts after 20:45.
- 11 Joaquin's witness staff places them at a documented training session from 20:45 to roughly 22:00.

CASE 02

A client contract data was extracted from the data archive of Solstice Labs during the overnight window between 19:30 and 21:00. Investigators have narrowed the field to 5 suspects: Mei (CTO), Bram (site-reliability engineer), Anastasia (intern), Yusuf (contractor), Hasan (DevOps lead).

Q Who extracted the client contract data?

1. Hasan's CCTV camera places them at a documented training session from 19:30 to roughly 21:00.
2. The data theft required complex schematic knowledge. Only Anastasia, Hasan, Mei have it among the suspects.
3. Badge access to the data archive is restricted to Mei, Hasan, Bram.
4. Mei had recent disciplinary action, well-documented in HR records.
5. Yusuf's SSH authentication log places them at a remote conference from 19:30 to roughly 21:00.
6. A discarded note near the scene briefly suggested Anastasia's involvement, but it was later traced to an unrelated incident.
7. Bram's MFA token log places them at a documented training session from 19:30 to roughly 21:00.
8. Mei has no verifiable account of their whereabouts after 19:30.
9. Mei's badge was activated at 19:30 at the data archive.
- 10 Anastasia's badge swipe places them at a public event with hundreds of attendees from 19:30 to roughly 21:00.

 A) Bram B) Yusuf C) Mei D) Anastasia E) Hasan

Deduction Mysteries

CASE 03

A prototype compound was swapped from the sequencing room of Nordic Bio during the overnight window between 21:15 and 23:15. Investigators have narrowed the field to 5 suspects: Jules (graduate student), Sigrid (lab technician), Wren (operations manager), Bao (principal investigator), Eitan (equipment manager).

Q Who swapped the prototype compound?

1. Sigrid's badge swipe places them at a hospital visit from 21:15 to roughly 23:15.
2. Jules's badge swipe places them at a documented training session from 21:15 to roughly 23:15.
3. Bao's lab badge was activated at 21:15 at the sequencing room.
4. Eitan's freezer access log places them at a public event with hundreds of attendees from 21:15 to roughly 23:15.
5. Bao had an ongoing dispute with management, well-documented in HR records.
6. Lab badge access to the sequencing room is restricted to Bao, Eitan.
7. Wren's witness sighting places them at a hospital visit from 21:15 to roughly 23:15.
8. The sample tampering required professional restoration training. Only Bao, Sigrid, Eitan have it among the suspects.
9. Bao has no verifiable account of their whereabouts after 21:15.

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| A) Wren | B) Bao | C) Eitan | D) Jules | E) Sigrid |
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CASE 04

A medieval folio was taken from the restoration room of Helix Reading Room during the overnight window between 20:45 and 22:15. Investigators have narrowed the field to 5 suspects: Maeve (volunteer), Ula (cataloger), Alejandro (custodian), Wilder (head librarian), Pavel (rare-books curator).

Q Who took the medieval folio?

1. Alejandro's book-checkout record places them at a public event with hundreds of attendees from 20:45 to roughly 22:15.
2. Pavel's archive log places them at a documented training session from 20:45 to roughly 22:15.
3. Ula's book-checkout record places them at a remote conference from 20:45 to roughly 22:15.
4. Wilder has no verifiable account of their whereabouts after 20:45.
5. Maeve's security camera places them at a public event with hundreds of attendees from 20:45 to roughly 22:15.
6. Wilder's vault key was activated at 20:45 at the restoration room.
7. Wilder had a documented grievance, well-documented in HR records.
8. Vault key access to the restoration room is restricted to Wilder, Ula.
9. The theft required social-engineering skill. Only Wilder, Maeve, Alejandro have it among the suspects.

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| A) Ula | B) Wilder | C) Maeve | D) Alejandro | E) Pavel |
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Deduction Mysteries

CASE 05

The sealed wills were taken from the conservation room of Northgate Estate Archive during the overnight window between 20:45 and 22:45. Investigators have narrowed the field to 6 suspects: Klaus (records administrator), Iolanthe (head archivist), Idris (security officer), Polina (administrator), Isolde (volunteer), Alessio (intern).

Q Who took the sealed wills?

1. Klaus had passed-over promotion, well-documented in HR records.
2. Admin code access to the conservation room is restricted to Polina, Klaus, Iolanthe.
3. Iolanthe's archive log places them at a remote conference from 20:45 to roughly 22:45.
4. Klaus has no verifiable account of their whereabouts after 20:45.
5. Isolde's archive log places them at a remote conference from 20:45 to roughly 22:45.
6. Klaus's admin code was activated at 20:45 at the conservation room.
7. Idris's archive log places them at a hospital visit from 20:45 to roughly 22:45.
8. Polina's badge swipe places them at a public event with hundreds of attendees from 20:45 to roughly 22:45.
9. The theft required encryption key generation. Only Klaus, Alessio, Idris have it among the suspects.
- 10 Alessio's archive log places them at a public event with hundreds of attendees from 20:45 to roughly 22:45.
- 11 A discarded note near the scene briefly suggested Alessio's involvement, but it was later

traced to an unrelated incident.

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| A) Klaus | B) Polina | C) Idris | D) Iolanthe | E) Isolde | F) Alessio |
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CASE 06

A musical score was taken from the box office of Northgate Stage during the overnight window between 20:10 and 22:00. Investigators have narrowed the field to 6 suspects: Vidal (box-office manager), Roksana (director), Tatum (stage manager), Selene (musical director), Wren (stagehand), Bao (prop master).

Q Who took the musical score?

1. Vidal's box-office system places them at a public event with hundreds of attendees from 20:10 to roughly 22:00.
2. Selene has no verifiable account of their whereabouts after 20:10.
3. Selene had an ongoing dispute with management, well-documented in HR records.
4. Bao's stage door camera places them at an offsite location from 20:10 to roughly 22:00.
5. Tatum's box-office system places them at an offsite location from 20:10 to roughly 22:00.
6. Backstage pass access to the box office is restricted to Selene, Tatum.
7. Wren's stage door camera places them at a public event with hundreds of attendees from 20:10 to roughly 22:00.
8. Roksana's dressing-room sign-in places them at a hospital visit from 20:10 to roughly 22:00.
9. The theft required complex schematic knowledge. Only Roksana, Vidal, Selene have it among the suspects.
- 10 Selene's backstage pass was activated at 20:10 at the box office.

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| A) Tatum | B) Roksana | C) Bao | D) Vidal | E) Wren | F) Selene |
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Answer Key – Deduction Mysteries

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

Case 01 A) Zephyr

- ❑ The theft required firmware manipulation, administrator code, and a motivating reason.
 - ❑ Xiomara has the skill but no administrator code – cleared.
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Case 02 C) Mei

- ❑ The data theft required complex schematic knowledge, badge, and a motivating reason.
 - ❑ Bram lacks the required complex schematic knowledge – cleared.
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Case 03 B) Bao

- ❑ The sample tampering required professional restoration training, lab badge, and a motivating reason.
 - ❑ Jules lacks the required professional restoration training – cleared.
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Case 04 B) Wilder

- ❑ The theft required social-engineering skill, vault key, and a motivating reason.
 - ❑ Maeve has the skill but no vault key – cleared.
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Case 05 A) Klaus

- ❑ The theft required encryption key generation, admin code, and a motivating reason.
 - ❑ Iolanthe lacks the required encryption key generation – cleared.
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Case 06 F) Selene

- ❑ The theft required complex schematic knowledge, backstage pass, and a motivating reason.
- ❑ Vidal has the skill but no backstage pass – cleared.