

Deduction Mysteries

CASE 01

A source code repository was extracted from the DevOps room of Brightline Software during the overnight window between 19:15 and 21:00. Investigators have narrowed the field to 6 suspects: Elara (site-reliability engineer), Ilya (product manager), Oren (CTO), Ravi (senior engineer), Vidal (security analyst), Ezra (data scientist).

Q Who extracted the source code repository?

- Oren's witness colleague places them at a hospital visit from 19:15 to roughly 21:00.
- Vidal's MFA device was activated at 19:15 at the DevOps room.
- Ilya's witness colleague places them at a documented training session from 19:15 to roughly 21:00.
- A discarded note near the scene briefly suggested Ravi's involvement, but it was later traced to an unrelated incident.
- Vidal has no verifiable account of their whereabouts after 19:15.
- MFA device access to the DevOps room is restricted to Vidal, Oren, Ilya.
- Ezra's SSH authentication log places them at a hospital visit from 19:15 to roughly 21:00.
- Elara's witness colleague places them at a public event with hundreds of attendees from 19:15 to roughly 21:00.
- Ravi's badge swipe places them at a documented training session from 19:15 to roughly 21:00.
- The data theft required complex schematic knowledge. Only Vidal, Oren, Elara have it among the suspects.

11 Vidal had passed-over promotion, well-documented in HR records.

A) Elara

B) Ezra

C) Vidal

D) Ravi

E) Oren

F) Ilya

CASE 02

A glass vase was taken from the prep workshop of Pemberton Wing during the overnight window between 19:00 and 21:30. Investigators have narrowed the field to 5 suspects: Maeve (security guard), Ilya (docent), Fariha (tour guide), Lucia (janitor), Tariq (exhibition designer).

Q Who took the glass vase?

- Fariha has no verifiable account of their whereabouts after 19:00.
- Fariha had a documented grievance, well-documented in HR records.
- Keycard access to the prep workshop is restricted to Ilya, Fariha, Maeve.
- Ilya's door sensor places them at a remote conference from 19:00 to roughly 21:30.
- Tariq's motion sensor places them at a hospital visit from 19:00 to roughly 21:30.
- Fariha's keycard was activated at 19:00 at the prep workshop.
- Lucia's motion sensor places them at a documented training session from 19:00 to roughly 21:30.
- Maeve's witness testimony places them at a documented training session from 19:00 to roughly 21:30.
- A discarded note near the scene briefly suggested Maeve's involvement, but it was later traced to an unrelated incident.
- The theft required social-engineering skill. Only Maeve, Lucia, Fariha have it among the suspects.

A) Fariha

B) Lucia

C) Maeve

D) Ilya

E) Tariq

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CASE 03

A bronze sculpture was taken from the prep workshop of Metropolitan Gallery during the overnight window between 21:30 and 23:15. Investigators have narrowed the field to 5 suspects: Xiomara (exhibition designer), Adrian (janitor), Kalinda (night security), Jian (tour guide), Iolanthe (curator).

Q Who took the bronze sculpture?

1. The theft required professional restoration training. Only Xiomara, Iolanthe, Kalinda have it among the suspects.
2. Kalinda's witness testimony places them at a documented training session from 21:30 to roughly 23:15.
3. Xiomara's master key was activated at 21:30 at the prep workshop.
4. Xiomara had an ongoing dispute with management, well-documented in HR records.
5. A discarded note near the scene briefly suggested Iolanthe's involvement, but it was later traced to an unrelated incident.
6. Adrian's door sensor places them at a documented training session from 21:30 to roughly 23:15.
7. Master key access to the prep workshop is restricted to Xiomara, Jian, Adrian.
8. Iolanthe's security camera places them at a remote conference from 21:30 to roughly 23:15.
9. Xiomara has no verifiable account of their whereabouts after 21:30.
10. Jian's security camera places them at a public event with hundreds of attendees from 21:30 to roughly 23:15.

A) Adrian	B) Xiomara	C) Iolanthe	D) Jian	E) Kalinda
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CASE 04

A signed binary release was extracted from the network closet of Atlas Cloud during the overnight window between 19:30 and 21:15. Investigators have narrowed the field to 5 suspects: Ilya (security analyst), Tariq (CTO), Juno (DevOps lead), Polina (data scientist), Daphne (intern).

Q Who extracted the signed binary release?

1. Tariq's VPN session log places them at a public event with hundreds of attendees from 19:30 to roughly 21:15.
2. Ilya had recent disciplinary action, well-documented in HR records.
3. Ilya has no verifiable account of their whereabouts after 19:30.
4. Ilya's admin token was activated at 19:30 at the network closet.
5. Daphne's witness colleague places them at a documented training session from 19:30 to roughly 21:15.
6. Juno's badge swipe places them at a hospital visit from 19:30 to roughly 21:15.
7. The data theft required encryption key generation. Only Ilya, Polina, Juno have it among the suspects.
8. Admin token access to the network closet is restricted to Ilya, Daphne.
9. Polina's CCTV camera places them at a remote conference from 19:30 to roughly 21:15.

A) Daphne	B) Juno	C) Ilya	D) Polina	E) Tariq
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Deduction Mysteries

CASE 05

A source code repository was extracted from the DevOps room of Quartermaine Cyber during the overnight window between 21:00 and 23:15. Investigators have narrowed the field to 6 suspects: Akira (DevOps lead), Mei (support lead), Zinnia (CTO), Daphne (data scientist), Bram (intern), Bayan (security analyst).

Q Who extracted the source code repository?

1. Akira's admin token was activated at 21:00 at the DevOps room.
2. Bayan's VPN session log places them at a hospital visit from 21:00 to roughly 23:15.
3. Zinnia's MFA token log places them at a remote conference from 21:00 to roughly 23:15.
4. Bram's witness colleague places them at a remote conference from 21:00 to roughly 23:15.
5. The data theft required advanced lock-picking expertise. Only Akira, Bram, Daphne have it among the suspects.
6. Daphne's MFA token log places them at a remote conference from 21:00 to roughly 23:15.
7. Akira has no verifiable account of their whereabouts after 21:00.
8. Admin token access to the DevOps room is restricted to Daphne, Bram, Akira.
9. Mei's witness colleague places them at a remote conference from 21:00 to roughly 23:15.
- 10 A discarded note near the scene briefly suggested Mei's involvement, but it was later traced to an unrelated incident.
- 11 Akira had a documented grievance, well-documented in HR records.

A) Akira	B) Bayan	C) Mei	D) Zinnia	E) Daphne	F) Bram
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CASE 06

A controlled medication was taken from the administration office of Helix Health Center during the overnight window between 21:30 and 23:15. Investigators have narrowed the field to 6 suspects: Jacinta (social worker), Tess (janitor), Arjun (attending physician), Katarina (technician), Galina (volunteer), Odell (head nurse).

Q Who took the controlled medication?

1. Galina's elevator log places them at an offsite location from 21:30 to roughly 23:15.
2. Jacinta's pharmacy CCTV places them at a remote conference from 21:30 to roughly 23:15.
3. Tess had outstanding financial debt, well-documented in HR records.
4. Katarina's door sensor places them at a remote conference from 21:30 to roughly 23:15.
5. Odell's pharmacy CCTV places them at a hospital visit from 21:30 to roughly 23:15.
6. The theft required social-engineering skill. Only Tess, Jacinta, Arjun have it among the suspects.
7. Administrator code access to the administration office is restricted to Katarina, Tess, Arjun.
8. Tess's administrator code was activated at 21:30 at the administration office.
9. Tess has no verifiable account of their whereabouts after 21:30.
- 10 Arjun's door sensor places them at a documented training session from 21:30 to roughly 23:15.

A) Katarina	B) Arjun	C) Jacinta	D) Galina	E) Odell	F) Tess
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NOTES

Answer Key – Deduction Mysteries

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

Case 01 C) Vidal

- ☒ The data theft required complex schematic knowledge, MFA device, and a motivating reason.
 - ☒ Elara has the skill but no MFA device – cleared.
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Case 02 A) Fariha

- ☒ The theft required social-engineering skill, keycard, and a motivating reason.
 - ☒ Maeve has skill and access but a verified alibi places them offsite – cleared.
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Case 03 B) Xiomara

- ☒ The theft required professional restoration training, master key, and a motivating reason.
 - ☒ Adrian lacks the required professional restoration training – cleared.
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Case 04 C) Ilya

- ☒ The data theft required encryption key generation, admin token, and a motivating reason.
 - ☒ Tariq lacks the required encryption key generation – cleared.
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Case 05 A) Akira

- ☒ The data theft required advanced lock-picking expertise, admin token, and a motivating reason.
 - ☒ Mei lacks the required advanced lock-picking expertise – cleared.
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Case 06 F) Tess

- ☒ The theft required social-engineering skill, administrator code, and a motivating reason.
 - ☒ Jacinta has the skill but no administrator code – cleared.
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