

## Deduction Mysteries

### CASE 01

A restricted-area code was taken from the medical records of Aldermarsh Clinic during the overnight window between 19:00 and 21:00. Investigators have narrowed the field to 6 suspects: Ines (attending physician), Thora (janitor), Tarek (administrator), Aaliyah (social worker), Mahdi (head nurse), Xanthe (security officer).

#### Q Who took the restricted-area code?

1. Aaliyah's badge log places them at a hospital visit from 19:00 to roughly 21:00.
2. Ines's door sensor places them at a public event with hundreds of attendees from 19:00 to roughly 21:00.
3. Thora's hospital badge was activated at 19:00 at the medical records.
4. Tarek's pharmacy CCTV places them at a public event with hundreds of attendees from 19:00 to roughly 21:00.
5. Xanthe's medication audit places them at a documented training session from 19:00 to roughly 21:00.
6. Hospital badge access to the medical records is restricted to Thora, Tarek, Ines.
7. Thora has no verifiable account of their whereabouts after 19:00.
8. The theft required social-engineering skill. Only Ines, Thora, Mahdi have it among the suspects.
9. Mahdi's pharmacy CCTV places them at a public event with hundreds of attendees from 19:00 to roughly 21:00.

10 Thora had recent disciplinary action, well-documented in HR records.

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| A) Aaliyah | B) Mahdi | C) Ines | D) Tarek | E) Thora | F) Xanthe |
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### CASE 02

A custom engine part was taken from the welding bay of Pemberton Repair during the overnight window between 21:10 and 23:15. Investigators have narrowed the field to 6 suspects: Dimitri (master mechanic), Vidal (machinist), Gunnar (customer service rep), Ishaan (electrician), Dario (quality inspector), Nizar (shop manager).

#### Q Who took the custom engine part?

1. Vidal's parts-room audit places them at a documented training session from 21:10 to roughly 23:15.
2. Nizar's tool-checkout log places them at a remote conference from 21:10 to roughly 23:15.
3. Dimitri had an ongoing dispute with management, well-documented in HR records.
4. The theft required firmware manipulation. Only Dario, Dimitri, Vidal have it among the suspects.
5. Dimitri's tool-crib key was activated at 21:10 at the welding bay.
6. A discarded note near the scene briefly suggested Vidal's involvement, but it was later traced to an unrelated incident.
7. Ishaan's parts-room audit places them at a hospital visit from 21:10 to roughly 23:15.
8. Tool-crib key access to the welding bay is restricted to Dimitri, Nizar.
9. Dario's witness coworker places them at a hospital visit from 21:10 to roughly 23:15.
- 10 Dimitri has no verifiable account of their whereabouts after 21:10.

11 Gunnar's shop camera places them at a documented training session from 21:10 to roughly 23:15.

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| A) Dimitri | B) Vidal | C) Nizar | D) Dario | E) Ishaan | F) Gunnar |
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## Deduction Mysteries

### CASE 03

A jade figurine was taken from the climate-controlled vault of Saint-Clair Museum during the overnight window between 19:10 and 21:30. Investigators have narrowed the field to 6 suspects: Kalisa (tour guide), Akira (art restorer), Nadia (curator), Sora (security guard), Leila (night security), Kiran (exhibition designer).

#### Q Who took the jade figurine?

1. Nadia has no verifiable account of their whereabouts after 19:10.
2. Sora's elevator log places them at an offsite location from 19:10 to roughly 21:30.
3. Leila's elevator log places them at a public event with hundreds of attendees from 19:10 to roughly 21:30.
4. The theft required firmware manipulation. Only Nadia, Sora, Kiran have it among the suspects.
5. Keycard access to the climate-controlled vault is restricted to Nadia, Sora.
6. Akira's elevator log places them at a remote conference from 19:10 to roughly 21:30.
7. Nadia had passed-over promotion, well-documented in HR records.
8. Kalisa's door sensor places them at an offsite location from 19:10 to roughly 21:30.
9. Kiran's door sensor places them at an offsite location from 19:10 to roughly 21:30.
10. Nadia's keycard was activated at 19:10 at the climate-controlled vault.

A) Leila	B) Kiran	C) Sora	D) Akira	E) Kalisa	F) Nadia
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### CASE 04

A head chef's knife set was taken from the wine cellar of Octavia's during the overnight window between 21:45 and 23:15. Investigators have narrowed the field to 6 suspects: Darya (dishwasher), Damaris (pastry chef), Thora (manager), Tatum (line cook), Kalinda (bartender), Nadia (host).

#### Q Who took the head chef's knife set?

1. Thora's cellar key was activated at 21:45 at the wine cellar.
2. Kalinda's witness server places them at a hospital visit from 21:45 to roughly 23:15.
3. Cellar key access to the wine cellar is restricted to Thora, Tatum.
4. A discarded note near the scene briefly suggested Tatum's involvement, but it was later traced to an unrelated incident.
5. Tatum's witness server places them at a documented training session from 21:45 to roughly 23:15.
6. Thora had passed-over promotion, well-documented in HR records.
7. Damaris's witness server places them at a hospital visit from 21:45 to roughly 23:15.
8. Thora has no verifiable account of their whereabouts after 21:45.
9. The theft required advanced lock-picking expertise. Only Tatum, Damaris, Thora have it among the suspects.
10. Darya's reservation system places them at a hospital visit from 21:45 to roughly 23:15.
11. Nadia's POS log places them at a hospital visit from 21:45 to roughly 23:15.

A) Darya	B) Thora	C) Damaris	D) Kalinda	E) Tatum	F) Nadia
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## Deduction Mysteries

### CASE 05

A sequencing chip was swapped from the sequencing room of Solstice Research during the overnight window between 20:45 and 22:45. Investigators have narrowed the field to 6 suspects: Idris (operations manager), Suri (undergraduate volunteer), Leander (equipment manager), Talia (principal investigator), Nadia (graduate student), Cedric (clinical coordinator).

#### Q Who swapped the sequencing chip?

1. Nadia's equipment timestamp places them at a remote conference from 20:45 to roughly 22:45.
2. Idris's biohazard clearance was activated at 20:45 at the sequencing room.
3. Talia's freezer access log places them at a remote conference from 20:45 to roughly 22:45.
4. The sample tampering required encryption key generation. Only Idris, Cedric, Talia have it among the suspects.
5. Idris had passed-over promotion, well-documented in HR records.
6. Suri's sample log places them at an offsite location from 20:45 to roughly 22:45.
7. Idris has no verifiable account of their whereabouts after 20:45.
8. Cedric's witness sighting places them at a documented training session from 20:45 to roughly 22:45.
9. Biohazard clearance access to the sequencing room is restricted to Idris, Nadia, Suri.
- 10 Leander's freezer access log places them at an offsite location from 20:45 to roughly 22:45.

A) Nadia	B) Suri	C) Talia	D) Cedric	E) Idris	F) Leander
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### CASE 06

An illuminated codex was taken from the reference desk of Saint-Clair Collection during the overnight window between 19:10 and 21:15. Investigators have narrowed the field to 6 suspects: Dario (reference librarian), Aleksandr (cataloger), Caelan (visiting scholar), Dimitri (rare-books curator), Sigrid (research assistant), Hiroshi (archivist).

#### Q Who took the illuminated codex?

1. Dario's door sensor places them at a documented training session from 19:10 to roughly 21:15.
2. Sigrid's staff key was activated at 19:10 at the reference desk.
3. Sigrid had an ongoing dispute with management, well-documented in HR records.
4. Hiroshi's badge swipe places them at a hospital visit from 19:10 to roughly 21:15.
5. The theft required encryption key generation. Only Sigrid, Caelan, Hiroshi have it among the suspects.
6. Dimitri's archive log places them at an offsite location from 19:10 to roughly 21:15.
7. Aleksandr's security camera places them at a remote conference from 19:10 to roughly 21:15.
8. Staff key access to the reference desk is restricted to Sigrid, Caelan.
9. Sigrid has no verifiable account of their whereabouts after 19:10.
- 10 Caelan's witness patron places them at an offsite location from 19:10 to roughly 21:15.

A) Dimitri	B) Hiroshi	C) Dario	D) Aleksandr	E) Sigrid	F) Caelan
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## Answer Key – Deduction Mysteries

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

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### Case 01 E) Thora

- ☒ The theft required social-engineering skill, hospital badge, and a motivating reason.
  - ☒ Ines has skill and access but a verified alibi places them offsite – cleared.
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### Case 02 A) Dimitri

- ☒ The theft required firmware manipulation, tool-crib key, and a motivating reason.
  - ☒ Vidal has the skill but no tool-crib key – cleared.
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### Case 03 F) Nadia

- ☒ The theft required firmware manipulation, keycard, and a motivating reason.
  - ☒ Kalisa lacks the required firmware manipulation – cleared.
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### Case 04 B) Thora

- ☒ The theft required advanced lock-picking expertise, cellar key, and a motivating reason.
  - ☒ Darya lacks the required advanced lock-picking expertise – cleared.
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### Case 05 E) Idris

- ☒ The sample tampering required encryption key generation, biohazard clearance, and a motivating reason.
  - ☒ Suri lacks the required encryption key generation – cleared.
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### Case 06 E) Sigrid

- ☒ The theft required encryption key generation, staff key, and a motivating reason.
  - ☒ Dario lacks the required encryption key generation – cleared.
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