

## Deduction Mysteries

### CASE 01

A historical photograph was taken from the research area of City Records Office during the overnight window between 21:15 and 23:30. Investigators have narrowed the field to 6 suspects: Xanthe (head archivist), Mateo (records administrator), Gemma (conservation specialist), Ginevra (intern), Lucia (security officer), Enzo (volunteer).

#### Q Who took the historical photograph?

1. Ginevra's witness patron places them at a hospital visit from 21:15 to roughly 23:30.
2. Mateo's archive log places them at a documented training session from 21:15 to roughly 23:30.
3. Gemma's badge swipe places them at a public event with hundreds of attendees from 21:15 to roughly 23:30.
4. The theft required medical sedative protocols. Only Enzo, Lucia, Xanthe have it among the suspects.
5. Xanthe's vault key was activated at 21:15 at the research area.
6. Xanthe had a documented grievance, well-documented in HR records.
7. Xanthe has no verifiable account of their whereabouts after 21:15.
8. Enzo's witness patron places them at a public event with hundreds of attendees from 21:15 to roughly 23:30.
9. Vault key access to the research area is restricted to Xanthe, Gemma.
- 10 A discarded note near the scene briefly suggested Enzo's involvement, but it was later traced to an unrelated incident.

11 Lucia's witness patron places them at a remote	conference from	21:15 to roughly	23:30.
A) Lucia	B) Enzo	C) Xanthe	D) Ginevra
		E) Mateo	F) Gemma

### CASE 02

A medical equipment was taken from the administrator office of Northgate Memorial during the overnight window between 21:45 and 23:15. Investigators have narrowed the field to 5 suspects: Bao (volunteer), Gisela (social worker), Cosima (attending physician), Eleni (janitor), Klaus (medical resident).

#### Q Who took the medical equipment?

1. Pharmacy key access to the administrator office is restricted to Cosima, Klaus.
2. Gisela's elevator log places them at a hospital visit from 21:45 to roughly 23:15.
3. Eleni's medication audit places them at a remote conference from 21:45 to roughly 23:15.
4. Cosima has no verifiable account of their whereabouts after 21:45.
5. Cosima's pharmacy key was activated at 21:45 at the administrator office.
6. Bao's witness staff places them at a hospital visit from 21:45 to roughly 23:15.
7. Klaus's pharmacy CCTV places them at an offsite location from 21:45 to roughly 23:15.
8. The theft required advanced lock-picking expertise. Only Cosima, Gisela, Klaus have it among the suspects.
9. A discarded note near the scene briefly suggested Eleni's involvement, but it was later traced to an unrelated incident.
- 10 Cosima had recent disciplinary action, well-documented in HR records.

A) Bao	B) Klaus	C) Cosima	D) Eleni	E) Gisela
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## Deduction Mysteries

### CASE 03

A specialized welding kit was taken from the employee locker area of Pemberton Repair during the overnight window between 19:30 and 21:00. Investigators have narrowed the field to 6 suspects: Wilder (shop manager), Hasan (painter), Mikael (quality inspector), Vera (electrician), Aurora (master mechanic), Kiran (apprentice).

#### Q Who took the specialized welding kit?

1. Mikael's door sensor places them at a remote conference from 19:30 to roughly 21:00.
2. Kiran's witness coworker places them at a hospital visit from 19:30 to roughly 21:00.
3. Aurora's shop key was activated at 19:30 at the employee locker area.
4. Vera's time-clock log places them at an offsite location from 19:30 to roughly 21:00.
5. Aurora had recent disciplinary action, well-documented in HR records.
6. Wilder's shop camera places them at a remote conference from 19:30 to roughly 21:00.
7. Shop key access to the employee locker area is restricted to Hasan, Wilder, Aurora.
8. Hasan's door sensor places them at a documented training session from 19:30 to roughly 21:00.
9. Aurora has no verifiable account of their whereabouts after 19:30.
- 10 The theft required professional restoration training. Only Aurora, Vera, Hasan have it among the suspects.

A) Kiran	B) Hasan	C) Mikael	D) Aurora	E) Vera	F) Wilder
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### CASE 04

The patient records were taken from the intensive care wing of Saint-Clair Hospital during the overnight window between 21:00 and 23:30. Investigators have narrowed the field to 5 suspects: Etienne (janitor), Selene (medical resident), Roksana (volunteer), Saoirse (attending physician), Jacinta (security officer).

#### Q Who took the patient records?

1. Roksana had outstanding financial debt, well-documented in HR records.
2. Roksana has no verifiable account of their whereabouts after 21:00.
3. Jacinta's badge log places them at a hospital visit from 21:00 to roughly 23:30.
4. Selene's elevator log places them at a public event with hundreds of attendees from 21:00 to roughly 23:30.
5. Saoirse's door sensor places them at an offsite location from 21:00 to roughly 23:30.
6. Pharmacy key access to the intensive care wing is restricted to Roksana, Selene.
7. A discarded note near the scene briefly suggested Selene's involvement, but it was later traced to an unrelated incident.
8. Roksana's pharmacy key was activated at 21:00 at the intensive care wing.
9. Etienne's witness staff places them at an offsite location from 21:00 to roughly 23:30.
- 10 The theft required social-engineering skill. Only Roksana, Saoirse, Jacinta have it among the suspects.

A) Selene	B) Saoirse	C) Jacinta	D) Etienne	E) Roksana
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## Deduction Mysteries

### CASE 05

A principal's personal file was taken from the science lab of Cedarvale High during the overnight window between 19:15 and 21:00. Investigators have narrowed the field to 5 suspects: Katarina (librarian), Ulla (coach), Ula (substitute teacher), Simeon (student council president), Joaquin (department head).

#### Q Who took the principal's personal file?

1. Ula has no verifiable account of their whereabouts after 19:15.
2. Katarina's printer log places them at a public event with hundreds of attendees from 19:15 to roughly 21:00.
3. Keypad code access to the science lab is restricted to Joaquin, Ula, Katarina.
4. Ula had passed-over promotion, well-documented in HR records.
5. A discarded note near the scene briefly suggested Ulla's involvement, but it was later traced to an unrelated incident.
6. Ulla's printer log places them at a remote conference from 19:15 to roughly 21:00.
7. Ula's keypad code was activated at 19:15 at the science lab.
8. Simeon's door sensor places them at a documented training session from 19:15 to roughly 21:00.
9. The theft required medical sedative protocols. Only Ula, Simeon, Joaquin have it among the suspects.
- 10 Joaquin's door sensor places them at an offsite location from 19:15 to roughly 21:00.

A) Katarina	B) Ulla	C) Simeon	D) Joaquin	E) Ula
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### CASE 06

An enzyme batch was swapped from the autoclave room of Helix Bioresearch during the overnight window between 19:45 and 21:15. Investigators have narrowed the field to 6 suspects: Eira (graduate student), Roksana (visiting scientist), Yvonne (undergraduate volunteer), Cyrus (operations manager), Ishaan (principal investigator), Lana (lab technician).

#### Q Who swapped the enzyme batch?

1. Ishaan's sample log places them at a remote conference from 19:45 to roughly 21:15.
2. Roksana's witness sighting places them at a documented training session from 19:45 to roughly 21:15.
3. Lana's witness sighting places them at a public event with hundreds of attendees from 19:45 to roughly 21:15.
4. Eira had an ongoing dispute with management, well-documented in HR records.
5. Yvonne's badge swipe places them at a documented training session from 19:45 to roughly 21:15.
6. The sample tampering required complex schematic knowledge. Only Eira, Lana, Yvonne have it among the suspects.
7. Clean-room access access to the autoclave room is restricted to Eira, Yvonne.
8. Eira has no verifiable account of their whereabouts after 19:45.
9. Eira's clean-room access was activated at 19:45 at the autoclave room.
- 10 Cyrus's freezer access log places them at an offsite location from 19:45 to roughly 21:15.

A) Lana	B) Yvonne	C) Cyrus	D) Eira	E) Ishaan	F) Roksana
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## Answer Key – Deduction Mysteries

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

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### Case 01 C) Xanthe

- ❑ The theft required medical sedative protocols, vault key, and a motivating reason.
  - ❑ Mateo lacks the required medical sedative protocols – cleared.
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### Case 02 C) Cosima

- ❑ The theft required advanced lock-picking expertise, pharmacy key, and a motivating reason.
  - ❑ Bao lacks the required advanced lock-picking expertise – cleared.
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### Case 03 D) Aurora

- ❑ The theft required professional restoration training, shop key, and a motivating reason.
  - ❑ Wilder lacks the required professional restoration training – cleared.
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### Case 04 E) Roksana

- ❑ The theft required social-engineering skill, pharmacy key, and a motivating reason.
  - ❑ Etienne lacks the required social-engineering skill – cleared.
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### Case 05 E) Ula

- ❑ The theft required medical sedative protocols, keypad code, and a motivating reason.
  - ❑ Katarina lacks the required medical sedative protocols – cleared.
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### Case 06 D) Eira

- ❑ The sample tampering required complex schematic knowledge, clean-room access, and a motivating reason.
- ❑ Roksana lacks the required complex schematic knowledge – cleared.