

Deduction Mysteries

CASE 01

A sample vial was swapped from the sequencing room of Helix Bioresearch during the overnight window between 21:30 and 23:00. Investigators have narrowed the field to 5 suspects: Kerensa (undergraduate volunteer), Nizar (lab technician), Emiko (postdoctoral researcher), Finnegan (operations manager), Mahdi (equipment manager).

Q Who swapped the sample vial?

1. The sample tampering required complex schematic knowledge. Only Emiko, Nizar, Kerensa have it among the suspects.
2. Emiko has no verifiable account of their whereabouts after 21:30.
3. Emiko's freezer key was activated at 21:30 at the sequencing room.
4. Finnegan's equipment timestamp places them at a documented training session from 21:30 to roughly 23:00.
5. Mahdi's freezer access log places them at a remote conference from 21:30 to roughly 23:00.
6. Emiko had passed-over promotion, well-documented in HR records.
7. Kerensa's witness sighting places them at an offsite location from 21:30 to roughly 23:00.
8. Nizar's badge swipe places them at a documented training session from 21:30 to roughly 23:00.
9. Freezer key access to the sequencing room is restricted to Emiko, Mahdi, Nizar.

A) Nizar	B) Emiko	C) Kerensa	D) Finnegan	E) Mahdi
----------	----------	------------	-------------	----------

NOTES

CASE 02

The sealed wills were taken from the research area of Pemberton Genealogy Center during the overnight window between 19:30 and 21:00. Investigators have narrowed the field to 6 suspects: Ulla (head archivist), Ishaan (volunteer), Phaedra (records administrator), Ginevra (researcher), Finnegan (conservation specialist), Kenji (genealogist).

Q Who took the sealed wills?

1. Kenji's archive log places them at a remote conference from 19:30 to roughly 21:00.
2. A discarded note near the scene briefly suggested Ulla's involvement, but it was later traced to an unrelated incident.
3. Ginevra's archive badge was activated at 19:30 at the research area.
4. Finnegan's camera footage places them at a remote conference from 19:30 to roughly 21:00.
5. Ginevra had a documented grievance, well-documented in HR records.
6. The theft required complex schematic knowledge. Only Phaedra, Ginevra, Kenji have it among the suspects.
7. Archive badge access to the research area is restricted to Ginevra, Phaedra.
8. Ulla's archive log places them at a documented training session from 19:30 to roughly 21:00.
9. Phaedra's witness patron places them at a hospital visit from 19:30 to roughly 21:00.
10. Ginevra has no verifiable account of their whereabouts after 19:30.
11. Ishaan's witness patron places them at an offsite location from 19:30 to roughly 21:00.

A) Finnegan	B) Ulla	C) Kenji	D) Ginevra	E) Ishaan	F) Phaedra
-------------	---------	----------	------------	-----------	------------

Deduction Mysteries

CASE 03

A special collection key was taken from the periodicals room of Saint-Clair Collection during the overnight window between 19:15 and 21:00. Investigators have narrowed the field to 5 suspects: Yara (visiting scholar), Nikolai (reference librarian), Helena (cataloger), Adrian (head librarian), Quincy (custodian).

Q Who took the special collection key?

1. Nikolai has no verifiable account of their whereabouts after 19:15.
2. The theft required professional restoration training. Only Nikolai, Yara, Adrian have it among the suspects.
3. Yara's security camera places them at an offsite location from 19:15 to roughly 21:00.
4. Nikolai had an ongoing dispute with management, well-documented in HR records.
5. Vault key access to the periodicals room is restricted to Nikolai, Helena.
6. Adrian's archive log places them at a hospital visit from 19:15 to roughly 21:00.
7. A discarded note near the scene briefly suggested Yara's involvement, but it was later traced to an unrelated incident.
8. Quincy's book-checkout record places them at a documented training session from 19:15 to roughly 21:00.
9. Helena's book-checkout record places them at a hospital visit from 19:15 to roughly 21:00.
10. Nikolai's vault key was activated at 19:15 at the periodicals room.

A) Quincy	B) Adrian	C) Yara	D) Helena	E) Nikolai
-----------	-----------	---------	-----------	------------

CASE 04

A machine shop key set was taken from the blueprint room of Brightline Industrial during the overnight window between 20:10 and 22:30. Investigators have narrowed the field to 6 suspects: Amelia (welder), Roksana (apprentice), Cyrus (quality inspector), Priya (customer service rep), Rhys (master mechanic), Ravi (parts clerk).

Q Who took the machine shop key set?

1. Ravi had recent disciplinary action, well-documented in HR records.
2. Roksana's door sensor places them at a remote conference from 20:10 to roughly 22:30.
3. Amelia's witness coworker places them at a remote conference from 20:10 to roughly 22:30.
4. Priya's shop camera places them at a documented training session from 20:10 to roughly 22:30.
5. Ravi's tool-crib key was activated at 20:10 at the blueprint room.
6. The theft required professional restoration training. Only Rhys, Ravi, Roksana have it among the suspects.
7. Cyrus's time-clock log places them at a documented training session from 20:10 to roughly 22:30.
8. Tool-crib key access to the blueprint room is restricted to Roksana, Ravi.
9. Rhys's shop camera places them at a hospital visit from 20:10 to roughly 22:30.
10. Ravi has no verifiable account of their whereabouts after 20:10.

A) Priya	B) Rhys	C) Amelia	D) Ravi	E) Roksana	F) Cyrus
----------	---------	-----------	---------	------------	----------

Deduction Mysteries

CASE 05

A staff schedule was taken from the pastry station of Helix Kitchen during the overnight window between 20:45 and 22:45. Investigators have narrowed the field to 6 suspects: Xanthe (host), Jian (bartender), Gunnar (head chef), Frida (dishwasher), Faye (sous chef), Dimitri (server).

Q Who took the staff schedule?

- Gunnar's cellar key was activated at 20:45 at the pastry station.
- Gunnar had an ongoing dispute with management, well-documented in HR records.
- The theft required firmware manipulation. Only Gunnar, Xanthe, Frida have it among the suspects.
- A discarded note near the scene briefly suggested Xanthe's involvement, but it was later traced to an unrelated incident.
- Xanthe's POS log places them at an offsite location from 20:45 to roughly 22:45.
- Gunnar has no verifiable account of their whereabouts after 20:45.
- Frida's reservation system places them at a remote conference from 20:45 to roughly 22:45.
- Dimitri's reservation system places them at a documented training session from 20:45 to roughly 22:45.
- Faye's front-of-house camera places them at a remote conference from 20:45 to roughly 22:45.
- Jian's time-clock record places them at a public event with hundreds of attendees from 20:45 to roughly 22:45.

11 Cellar key access to the pastry station is restricted to Gunnar, Jian, Faye.

A) Gunnar

B) Frida

C) Dimitri

D) Jian

E) Faye

F) Xanthe

CASE 06

An enzyme batch was swapped from the cold-storage freezer of Caelum Labs during the overnight window between 19:10 and 21:00. Investigators have narrowed the field to 5 suspects: Aaliyah (visiting scientist), Fenella (clinical coordinator), Dario (undergraduate volunteer), Kiran (equipment manager), Juno (postdoctoral researcher).

Q Who swapped the enzyme batch?

- Fenella's clean-room access was activated at 19:10 at the cold-storage freezer.
- Kiran's witness sighting places them at an offsite location from 19:10 to roughly 21:00.
- Fenella had passed-over promotion, well-documented in HR records.
- Fenella has no verifiable account of their whereabouts after 19:10.
- Clean-room access to the cold-storage freezer is restricted to Fenella, Kiran, Aaliyah.
- Juno's freezer access log places them at a public event with hundreds of attendees from 19:10 to roughly 21:00.
- Dario's freezer access log places them at a documented training session from 19:10 to roughly 21:00.
- The sample tampering required advanced lock-picking expertise. Only Kiran, Fenella, Juno have it among the suspects.
- Aaliyah's clean-room entry log places them at a hospital visit from 19:10 to roughly 21:00.

A) Fenella

B) Aaliyah

C) Juno

D) Kiran

E) Dario

Answer Key – Deduction Mysteries

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

Case 01 B) Emiko

- ❑ The sample tampering required complex schematic knowledge, freezer key, and a motivating reason.
 - ❑ Kerensa has the skill but no freezer key – cleared.
-

Case 02 D) Ginevra

- ❑ The theft required complex schematic knowledge, archive badge, and a motivating reason.
 - ❑ Ulla lacks the required complex schematic knowledge – cleared.
-

Case 03 E) Nikolai

- ❑ The theft required professional restoration training, vault key, and a motivating reason.
 - ❑ Yara has the skill but no vault key – cleared.
-

Case 04 D) Ravi

- ❑ The theft required professional restoration training, tool-crib key, and a motivating reason.
 - ❑ Amelia lacks the required professional restoration training – cleared.
-

Case 05 A) Gunnar

- ❑ The theft required firmware manipulation, cellar key, and a motivating reason.
 - ❑ Xanthe has the skill but no cellar key – cleared.
-

Case 06 A) Fenella

- ❑ The sample tampering required advanced lock-picking expertise, clean-room access, and a motivating reason.
- ❑ Aaliyah lacks the required advanced lock-picking expertise – cleared.