

Deduction Mysteries

CASE 01

A championship ring was taken from the training pool of Northgate Athletic Club during the overnight window between 19:30 and 21:45. Investigators have narrowed the field to 5 suspects: Kai (assistant coach), Leander (head coach), Darya (rookie player), Indira (facilities manager), Xanthe (equipment manager).

Q Who took the championship ring?

1. The theft required encryption key generation. Only Leander, Kai, Xanthe have it among the suspects.
2. Indira's facility camera places them at an offsite location from 19:30 to roughly 21:45.
3. Equipment-room key access to the training pool is restricted to Leander, Xanthe, Indira.
4. Leander's equipment-room key was activated at 19:30 at the training pool.
5. Kai's witness teammate places them at a public event with hundreds of attendees from 19:30 to roughly 21:45.
6. Leander had outstanding financial debt, well-documented in HR records.
7. Xanthe's time-clock record places them at a hospital visit from 19:30 to roughly 21:45.
8. Darya's witness teammate places them at a hospital visit from 19:30 to roughly 21:45.
9. A discarded note near the scene briefly suggested Kai's involvement, but it was later traced to an unrelated incident.
- 10 Leander has no verifiable account of their whereabouts after 19:30.

A) Xanthe	B) Darya	C) Kai	D) Leander	E) Indira
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CASE 02

A sports trophy was taken from the science lab of Cedarvale High during the overnight window between 20:10 and 22:00. Investigators have narrowed the field to 6 suspects: Tatum (department head), Lior (student council president), Etienne (janitor), Galina (school counselor), Rosalind (secretary), Olive (coach).

Q Who took the sports trophy?

1. Keypad code access to the science lab is restricted to Tatum, Etienne, Rosalind.
2. Galina's door sensor places them at a remote conference from 20:10 to roughly 22:00.
3. Rosalind has no verifiable account of their whereabouts after 20:10.
4. Tatum's printer log places them at a documented training session from 20:10 to roughly 22:00.
5. Etienne's hallway camera places them at a documented training session from 20:10 to roughly 22:00.
6. The theft required encryption key generation. Only Rosalind, Galina, Tatum have it among the suspects.
7. Lior's keycard log places them at an offsite location from 20:10 to roughly 22:00.
8. Rosalind's keypad code was activated at 20:10 at the science lab.
9. Olive's door sensor places them at a documented training session from 20:10 to roughly 22:00.
- 10 Rosalind had outstanding financial debt, well-documented in HR records.

A) Olive	B) Etienne	C) Galina	D) Tatum	E) Rosalind	F) Lior
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CASE 03

A signed manuscript was taken from the prep workshop of Whitmore Museum during the overnight window between 19:15 and 21:30. Investigators have narrowed the field to 6 suspects: Kenji (janitor), Jian (curator), Eleni (security guard), Diallo (tour guide), Kalinda (archivist), Nikolai (art restorer).

Q Who took the signed manuscript?

1. Jian's security badge was activated at 19:15 at the prep workshop.
2. The theft required encryption key generation. Only Kenji, Eleni, Jian have it among the suspects.
3. Diallo's security camera places them at a documented training session from 19:15 to roughly 21:30.
4. Jian had an ongoing dispute with management, well-documented in HR records.
5. Jian has no verifiable account of their whereabouts after 19:15.
6. Kalinda's badge swipe log places them at a hospital visit from 19:15 to roughly 21:30.
7. Security badge access to the prep workshop is restricted to Jian, Eleni.
8. Eleni's security camera places them at a hospital visit from 19:15 to roughly 21:30.
9. A discarded note near the scene briefly suggested Nikolai's involvement, but it was later traced to an unrelated incident.
- 10 Nikolai's badge swipe log places them at a public event with hundreds of attendees from 19:15 to roughly 21:30.
- 11 Kenji's witness testimony places them at a documented training session from 19:15 to roughly 21:30.

CASE 04

An enzyme batch was swapped from the sample storage of Coriolis Institute during the overnight window between 19:15 and 21:30. Investigators have narrowed the field to 6 suspects: Alessio (undergraduate volunteer), Kalisa (graduate student), Etienne (lab technician), Polina (postdoctoral researcher), Aaliyah (principal investigator), Xanthe (equipment manager).

Q Who swapped the enzyme batch?

1. Aaliyah had a documented grievance, well-documented in HR records.
2. Xanthe's equipment timestamp places them at an offsite location from 19:15 to roughly 21:30.
3. Polina's freezer access log places them at a hospital visit from 19:15 to roughly 21:30.
4. Aaliyah has no verifiable account of their whereabouts after 19:15.
5. Lab badge access to the sample storage is restricted to Aaliyah, Alessio, Xanthe.
6. The sample tampering required complex schematic knowledge. Only Kalisa, Aaliyah, Etienne have it among the suspects.
7. A discarded note near the scene briefly suggested Xanthe's involvement, but it was later traced to an unrelated incident.
8. Kalisa's badge swipe places them at a remote conference from 19:15 to roughly 21:30.
9. Alessio's badge swipe places them at a public event with hundreds of attendees from 19:15 to roughly 21:30.
- 10 Etienne's witness sighting places them at a remote conference from 19:15 to roughly 21:30.
- 11 Aaliyah's lab badge was activated at 19:15 at the sample storage.

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CASE 05

A special collection key was taken from the reference desk of Saint-Clair Collection during the overnight window between 21:15 and 23:00. Investigators have narrowed the field to 5 suspects: Pavel (archivist), Marisol (head librarian), Elara (rare-books curator), Hasan (volunteer), Kasper (intern).

Q Who took the special collection key?

1. Hasan's book-checkout record places them at a remote conference from 21:15 to roughly 23:00.
2. Pavel has no verifiable account of their whereabouts after 21:15.
3. Elara's badge swipe places them at an offsite location from 21:15 to roughly 23:00.
4. The theft required social-engineering skill. Only Pavel, Marisol, Kasper have it among the suspects.
5. Pavel's staff key was activated at 21:15 at the reference desk.
6. Marisol's book-checkout record places them at a hospital visit from 21:15 to roughly 23:00.
7. Kasper's security camera places them at a hospital visit from 21:15 to roughly 23:00.
8. A discarded note near the scene briefly suggested Hasan's involvement, but it was later traced to an unrelated incident.
9. Staff key access to the reference desk is restricted to Pavel, Marisol.
- 10 Pavel had passed-over promotion, well-documented in HR records.

A) Hasan	B) Marisol	C) Elara	D) Kasper	E) Pavel
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CASE 06

An enzyme batch was swapped from the cold-storage freezer of Solstice Research during the overnight window between 20:00 and 22:15. Investigators have narrowed the field to 6 suspects: Octavia (operations manager), Eitan (clinical coordinator), Pavel (principal investigator), Idris (safety officer), Saoirse (postdoctoral researcher), Tess (graduate student).

Q Who swapped the enzyme batch?

1. Eitan's freezer access log places them at a hospital visit from 20:00 to roughly 22:15.
2. Saoirse's lab badge was activated at 20:00 at the cold-storage freezer.
3. Octavia's equipment timestamp places them at an offsite location from 20:00 to roughly 22:15.
4. The sample tampering required encryption key generation. Only Saoirse, Pavel, Idris have it among the suspects.
5. Lab badge access to the cold-storage freezer is restricted to Saoirse, Eitan.
6. Idris's equipment timestamp places them at a documented training session from 20:00 to roughly 22:15.
7. Saoirse had recent disciplinary action, well-documented in HR records.
8. Tess's equipment timestamp places them at an offsite location from 20:00 to roughly 22:15.
9. Pavel's freezer access log places them at a remote conference from 20:00 to roughly 22:15.
- 10 Saoirse has no verifiable account of their whereabouts after 20:00.

A) Eitan	B) Idris	C) Saoirse	D) Octavia	E) Pavel	F) Tess
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Answer Key – Deduction Mysteries

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

Case 01 D) Leander

- ☒ The theft required encryption key generation, equipment-room key, and a motivating reason.
 - ☒ Kai has the skill but no equipment-room key – cleared.
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Case 02 E) Rosalind

- ☒ The theft required encryption key generation, keypad code, and a motivating reason.
 - ☒ Tatum has skill and access but a verified alibi places them offsite – cleared.
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Case 03 C) Jian

- ☒ The theft required encryption key generation, security badge, and a motivating reason.
 - ☒ Kenji has the skill but no security badge – cleared.
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Case 04 C) Aaliyah

- ☒ The sample tampering required complex schematic knowledge, lab badge, and a motivating reason.
 - ☒ Alessio lacks the required complex schematic knowledge – cleared.
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Case 05 E) Pavel

- ☒ The theft required social-engineering skill, staff key, and a motivating reason.
 - ☒ Marisol has skill and access but a verified alibi places them offsite – cleared.
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Case 06 C) Saoirse

- ☒ The sample tampering required encryption key generation, lab badge, and a motivating reason.
- ☒ Octavia lacks the required encryption key generation – cleared.