

## Deduction Mysteries

### CASE 01

A calibration kit was swapped from the sequencing room of Coriolis Institute during the overnight window between 19:45 and 21:30. Investigators have narrowed the field to 5 suspects: Bjorn (postdoctoral researcher), Tomas (operations manager), Tarek (undergraduate volunteer), Sami (lab technician), Renata (principal investigator).

#### Q Who swapped the calibration kit?

1. Sami's clean-room entry log places them at a remote conference from 19:45 to roughly 21:30.
2. Tarek's clean-room entry log places them at an offsite location from 19:45 to roughly 21:30.
3. Freezer key access to the sequencing room is restricted to Tomas, Renata.
4. Renata's equipment timestamp places them at a documented training session from 19:45 to roughly 21:30.
5. Tomas's freezer key was activated at 19:45 at the sequencing room.
6. Bjorn's equipment timestamp places them at a remote conference from 19:45 to roughly 21:30.
7. The sample tampering required advanced lock-picking expertise. Only Tarek, Sami, Tomas have it among the suspects.
8. Tomas had a documented grievance, well-documented in HR records.
9. Tomas has no verifiable account of their whereabouts after 19:45.

A) Renata	B) Bjorn	C) Sami	D) Tarek	E) Tomas
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### CASE 02

A medieval folio was taken from the special collections room of Quartermaine Archive during the overnight window between 19:45 and 21:30. Investigators have narrowed the field to 6 suspects: Idris (intern), Bao (custodian), Enzo (research assistant), Roksana (reference librarian), Iolanthe (head librarian), Isolde (rare-books curator).

#### Q Who took the medieval folio?

1. Isolde has no verifiable account of their whereabouts after 19:45.
2. Isolde had passed-over promotion, well-documented in HR records.
3. Enzo's witness patron places them at a documented training session from 19:45 to roughly 21:30.
4. The theft required encryption key generation. Only Isolde, Roksana, Iolanthe have it among the suspects.
5. Idris's archive log places them at a documented training session from 19:45 to roughly 21:30.
6. Iolanthe's security camera places them at a public event with hundreds of attendees from 19:45 to roughly 21:30.
7. Bao's badge swipe places them at a documented training session from 19:45 to roughly 21:30.
8. Isolde's reading-room pass was activated at 19:45 at the special collections room.
9. Roksana's archive log places them at a public event with hundreds of attendees from 19:45 to roughly 21:30.
- 10 Reading-room pass access to the special collections room is restricted to Enzo, Bao, Isolde.

A) Roksana	B) Idris	C) Iolanthe	D) Isolde	E) Enzo	F) Bao
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## Deduction Mysteries

### CASE 03

A rare coin set was taken from the restoration lab of Aldworth Collection during the overnight window between 20:00 and 22:15. Investigators have narrowed the field to 6 suspects: Theo (exhibition designer), Maeve (security guard), Bjorn (gift shop manager), Diallo (curator), Aurora (archivist), Alessio (janitor).

#### Q Who took the rare coin set?

1. Aurora had an ongoing dispute with management, well-documented in HR records.
2. Diallo's badge swipe log places them at a public event with hundreds of attendees from 20:00 to roughly 22:15.
3. Alessio's security camera places them at a documented training session from 20:00 to roughly 22:15.
4. Aurora has no verifiable account of their whereabouts after 20:00.
5. Bjorn's motion sensor places them at a hospital visit from 20:00 to roughly 22:15.
6. Aurora's vault combination was activated at 20:00 at the restoration lab.
7. The theft required social-engineering skill. Only Aurora, Bjorn, Theo have it among the suspects.
8. Maeve's badge swipe log places them at a documented training session from 20:00 to roughly 22:15.
9. Vault combination access to the restoration lab is restricted to Aurora, Bjorn.
- 10 Theo's security camera places them at a remote conference from 20:00 to roughly 22:15.
- 11 A discarded note near the scene briefly suggested Maeve's involvement, but it was later traced to an unrelated incident.

### CASE 04

An ancient scroll was taken from the climate-controlled vault of Argent Gallery during the overnight window between 20:15 and 22:15. Investigators have narrowed the field to 5 suspects: Thora (night security), Vidal (tour guide), Priya (art restorer), Klaus (exhibition designer), Mei (archivist).

#### Q Who took the ancient scroll?

1. Vidal's badge swipe log places them at a remote conference from 20:15 to roughly 22:15.
2. Thora's witness testimony places them at a remote conference from 20:15 to roughly 22:15.
3. The theft required advanced lock-picking expertise. Only Priya, Klaus, Mei have it among the suspects.
4. A discarded note near the scene briefly suggested Mei's involvement, but it was later traced to an unrelated incident.
5. Priya has no verifiable account of their whereabouts after 20:15.
6. Mei's badge swipe log places them at a remote conference from 20:15 to roughly 22:15.
7. Priya had passed-over promotion, well-documented in HR records.
8. Elevator access access to the climate-controlled vault is restricted to Priya, Thora.
9. Priya's elevator access was activated at 20:15 at the climate-controlled vault.
- 10 Klaus's badge swipe log places them at a public event with hundreds of attendees from 20:15 to roughly 22:15.

 A) Klaus B) Priya C) Mei D) Thora E) Vidal

## Deduction Mysteries

### CASE 05

An illuminated codex was taken from the special collections room of Helix Reading Room during the overnight window between 19:10 and 21:00. Investigators have narrowed the field to 5 suspects: Marisol (head librarian), Cassia (reference librarian), Xanthe (archivist), Kerensa (rare-books curator), Yara (custodian).

#### Q Who took the illuminated codex?

1. Marisol's door sensor places them at a remote conference from 19:10 to roughly 21:00.
2. Yara's security camera places them at a hospital visit from 19:10 to roughly 21:00.
3. Kerensa has no verifiable account of their whereabouts after 19:10.
4. Kerensa had recent disciplinary action, well-documented in HR records.
5. Kerensa's staff key was activated at 19:10 at the special collections room.
6. Xanthe's archive log places them at a documented training session from 19:10 to roughly 21:00.
7. Cassia's door sensor places them at a public event with hundreds of attendees from 19:10 to roughly 21:00.
8. Staff key access to the special collections room is restricted to Marisol, Kerensa, Cassia.
9. The theft required social-engineering skill. Only Kerensa, Xanthe, Marisol have it among the suspects.

A) Yara	B) Marisol	C) Xanthe	D) Kerensa	E) Cassia
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### CASE 06

A register cash was taken from the dishwashing bay of The Briar Room during the overnight window between 19:45 and 21:15. Investigators have narrowed the field to 5 suspects: Kasper (server), Yara (sous chef), Alejandro (bartender), Dario (manager), Gisela (sommelier).

#### Q Who took the register cash?

1. The theft required social-engineering skill. Only Dario, Gisela, Yara have it among the suspects.
2. Gisela has no verifiable account of their whereabouts after 19:45.
3. A discarded note near the scene briefly suggested Yara's involvement, but it was later traced to an unrelated incident.
4. Gisela's manager key was activated at 19:45 at the dishwashing bay.
5. Manager key access to the dishwashing bay is restricted to Alejandro, Yara, Gisela.
6. Dario's reservation system places them at a hospital visit from 19:45 to roughly 21:15.
7. Kasper's reservation system places them at a documented training session from 19:45 to roughly 21:15.
8. Gisela had outstanding financial debt, well-documented in HR records.
9. Yara's POS log places them at a documented training session from 19:45 to roughly 21:15.
10. Alejandro's witness server places them at a public event with hundreds of attendees from 19:45 to roughly 21:15.

A) Yara	B) Dario	C) Gisela	D) Kasper	E) Alejandro
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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) Tomas

- ☒ The sample tampering required advanced lock-picking expertise, freezer key, and a motivating reason.
  - ☒ Bjorn lacks the required advanced lock-picking expertise – cleared.
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### Case 02 D) Isolde

- ☒ The theft required encryption key generation, reading-room pass, and a motivating reason.
  - ☒ Idris lacks the required encryption key generation – cleared.
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### Case 03 E) Aurora

- ☒ The theft required social-engineering skill, vault combination, and a motivating reason.
  - ☒ Theo has the skill but no vault combination – cleared.
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### Case 04 B) Priya

- ☒ The theft required advanced lock-picking expertise, elevator access, and a motivating reason.
  - ☒ Thora lacks the required advanced lock-picking expertise – cleared.
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### Case 05 D) Kerensa

- ☒ 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) Gisela

- ☒ The theft required social-engineering skill, manager key, and a motivating reason.
- ☒ Kasper lacks the required social-engineering skill – cleared.