

Deduction Mysteries

CASE 01

A grading book was taken from the staff bathroom of Hawthorne Day School during the overnight window between 19:00 and 21:00. Investigators have narrowed the field to 6 suspects: Kalinda (coach), Xiomara (principal), Hadley (teacher), Jian (janitor), Enzo (department head), Phaedra (school counselor).

Q Who took the grading book?

1. Combination access to the staff bathroom is restricted to Jian, Enzo.
2. Phaedra's hallway camera places them at a documented training session from 19:00 to roughly 21:00.
3. Xiomara's attendance log places them at a remote conference from 19:00 to roughly 21:00.
4. Jian has no verifiable account of their whereabouts after 19:00.
5. Kalinda's printer log places them at an offsite location from 19:00 to roughly 21:00.
6. Hadley's attendance log places them at an offsite location from 19:00 to roughly 21:00.
7. The theft required firmware manipulation. Only Jian, Hadley, Kalinda have it among the suspects.
8. Jian had outstanding financial debt, well-documented in HR records.
9. Jian's combination was activated at 19:00 at the staff bathroom.
- 10 Enzo's witness statement places them at a hospital visit from 19:00 to roughly 21:00.

A) Xiomara	B) Jian	C) Hadley	D) Phaedra	E) Kalinda	F) Enzo
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CASE 02

A register cash was taken from the dishwashing bay of Octavia's during the overnight window between 19:30 and 21:00. Investigators have narrowed the field to 6 suspects: Fenella (host), Ulla (bartender), Etienne (line cook), Mahdi (head chef), Rosalind (manager), Finnegan (server).

Q Who took the register cash?

1. Finnegan's reservation system places them at a hospital visit from 19:30 to roughly 21:00.
2. Etienne had passed-over promotion, well-documented in HR records.
3. Rosalind's front-of-house camera places them at a remote conference from 19:30 to roughly 21:00.
4. Register code access to the dishwashing bay is restricted to Etienne, Finnegan.
5. Ulla's witness server places them at a hospital visit from 19:30 to roughly 21:00.
6. Etienne's register code was activated at 19:30 at the dishwashing bay.
7. Mahdi's POS log places them at a public event with hundreds of attendees from 19:30 to roughly 21:00.
8. Fenella's reservation system places them at a public event with hundreds of attendees from 19:30 to roughly 21:00.
9. Etienne has no verifiable account of their whereabouts after 19:30.
- 10 The theft required advanced lock-picking expertise. Only Etienne, Mahdi, Fenella have it among the suspects.

A) Fenella	B) Finnegan	C) Ulla	D) Mahdi	E) Etienne	F) Rosalind
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CASE 03

An ancient scroll was taken from the archive room of Aldworth Collection during the overnight window between 21:15 and 23:00. Investigators have narrowed the field to 6 suspects: Tariq (security guard), Alessio (exhibition designer), Cedric (art restorer), Simeon (night security), Tess (janitor), Lana (gift shop manager).

Q Who took the ancient scroll?

1. Tess's vault combination was activated at 21:15 at the archive room.
2. Cedric's badge swipe log places them at a remote conference from 21:15 to roughly 23:00.
3. Vault combination access to the archive room is restricted to Tess, Alessio.
4. Simeon's badge swipe log places them at an offsite location from 21:15 to roughly 23:00.
5. The theft required medical sedative protocols. Only Tess, Simeon, Lana have it among the suspects.
6. Lana's witness testimony places them at an offsite location from 21:15 to roughly 23:00.
7. Tess had recent disciplinary action, well-documented in HR records.
8. Tariq's door sensor places them at a public event with hundreds of attendees from 21:15 to roughly 23:00.
9. A discarded note near the scene briefly suggested Lana's involvement, but it was later traced to an unrelated incident.
- 10 Alessio's motion sensor places them at a documented training session from 21:15 to roughly 23:00.

11 Tess has no verifiable account of their whereabouts after 21:15.

A) Tariq

B) Alessio

C) Simeon

D) Cedric

E) Tess

F) Lana

CASE 04

The master plans were taken from the customer pickup bay of Aldermarsh Auto Works during the overnight window between 19:00 and 21:45. Investigators have narrowed the field to 5 suspects: Sami (customer service rep), Klaus (electrician), Quincy (quality inspector), Maeve (machinist), Leander (shop manager).

Q Who took the master plans?

1. Shop key access to the customer pickup bay is restricted to Quincy, Klaus, Leander.
2. Quincy's tool-checkout log places them at a remote conference from 19:00 to roughly 21:45.
3. Maeve's parts-room audit places them at a public event with hundreds of attendees from 19:00 to roughly 21:45.
4. Klaus's time-clock log places them at a hospital visit from 19:00 to roughly 21:45.
5. Leander's shop key was activated at 19:00 at the customer pickup bay.
6. The theft required medical sedative protocols. Only Klaus, Leander, Quincy have it among the suspects.
7. Leander had an ongoing dispute with management, well-documented in HR records.
8. Leander has no verifiable account of their whereabouts after 19:00.
9. Sami's shop camera places them at a documented training session from 19:00 to roughly 21:45.

A) Maeve

B) Quincy

C) Leander

D) Klaus

E) Sami

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CASE 05

A restricted donor file was taken from the restricted reading room of Saint-Clair Historical Society during the overnight window between 21:15 and 23:15. Investigators have narrowed the field to 6 suspects: Pavel (head archivist), Tomas (researcher), Helena (volunteer), Anand (clerk), Mikael (intern), Mei (records administrator).

Q Who took the restricted donor file?

1. A discarded note near the scene briefly suggested Mikael's involvement, but it was later traced to an unrelated incident.
2. Mei had an ongoing dispute with management, well-documented in HR records.
3. Anand's archive log places them at a public event with hundreds of attendees from 21:15 to roughly 23:15.
4. The theft required encryption key generation. Only Mei, Mikael, Pavel have it among the suspects.
5. Mei's research-room pass was activated at 21:15 at the restricted reading room.
6. Research-room pass access to the restricted reading room is restricted to Mei, Anand, Tomas.
7. Mei has no verifiable account of their whereabouts after 21:15.
8. Pavel's witness patron places them at a public event with hundreds of attendees from 21:15 to roughly 23:15.
9. Mikael's vault entry record places them at a documented training session from 21:15 to roughly 23:15.
- 10 Tomas's archive log places them at an offsite location from 21:15 to roughly 23:15.
- 11 Helena's witness patron places them at a public event with hundreds of attendees from 21:15 to roughly 23:15.

CASE 06

A customer credit-card list was extracted from the server farm of Quartermaine Cyber during the overnight window between 21:15 and 23:45. Investigators have narrowed the field to 6 suspects: Kasimir (DevOps lead), Dimah (support lead), Cyrus (security analyst), Faye (site-reliability engineer), Leila (CTO), Isolde (data scientist).

Q Who extracted the customer credit-card list?

1. MFA device access to the server farm is restricted to Isolde, Leila, Kasimir.
2. The data theft required social-engineering skill. Only Isolde, Dimah, Kasimir have it among the suspects.
3. Leila's SSH authentication log places them at a remote conference from 21:15 to roughly 23:45.
4. Cyrus's CCTV camera places them at a remote conference from 21:15 to roughly 23:45.
5. Faye's witness colleague places them at an offsite location from 21:15 to roughly 23:45.
6. Kasimir's SSH authentication log places them at a hospital visit from 21:15 to roughly 23:45.
7. Isolde has no verifiable account of their whereabouts after 21:15.
8. Dimah's VPN session log places them at an offsite location from 21:15 to roughly 23:45.
9. Isolde had passed-over promotion, well-documented in HR records.
- 10 Isolde's MFA device was activated at 21:15 at the server farm.

A) Leila	B) Kasimir	C) Dimah	D) Faye	E) Isolde	F) Cyrus
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Answer Key – Deduction Mysteries

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

Case 01 B) Jian

- ☒ The theft required firmware manipulation, combination, and a motivating reason.
 - ☒ Kalinda has the skill but no combination – cleared.
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Case 02 E) Etienne

- ☒ The theft required advanced lock-picking expertise, register code, and a motivating reason.
 - ☒ Fenella has the skill but no register code – cleared.
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Case 03 E) Tess

- ☒ The theft required medical sedative protocols, vault combination, and a motivating reason.
 - ☒ Tariq lacks the required medical sedative protocols – cleared.
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Case 04 C) Leander

- ☒ The theft required medical sedative protocols, shop key, and a motivating reason.
 - ☒ Sami lacks the required medical sedative protocols – cleared.
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Case 05 F) Mei

- ☒ The theft required encryption key generation, research-room pass, and a motivating reason.
 - ☒ Pavel has the skill but no research-room pass – cleared.
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Case 06 E) Isolde

- ☒ The data theft required social-engineering skill, MFA device, and a motivating reason.
 - ☒ Kasimir has skill and access but a verified alibi places them offsite – cleared.
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