

Deduction Mysteries

CASE 01

A diamond was stolen from a jewelry store's first-floor vault during a fire alarm evacuation (2:15-2:40 PM). Five employees were in the building: Rhea (third-floor office), Vince (second-floor stock), Petra (first-floor sales), Hans (first-floor security), and Sylvie (basement inventory). Case file EXPERT-001.

Q Who stole the diamond?

1. The fire alarm was pulled from the third-floor pull station at 2:15 PM.
2. Elevator log shows Rhea arrived on the third floor at 2:14 PM.
3. During evacuation, all employees were supposed to gather in the parking lot.
4. The parking lot headcount photo at 2:20 PM shows Petra, Hans, Sylvie, and Rhea. Vince is missing.
5. Vince claims he stopped at the second-floor bathroom before evacuating.
6. A neighbor's doorbell camera recorded someone matching Vince's description entering the building's west entrance at 2:18 PM. The west entrance is closest to the vault.
7. The vault was unlocked during business hours – it relies on security staff presence, not a lock, during the day.
8. Hans (security) was the first to reach the parking lot at 2:17 PM. He left his post at the vault when the alarm sounded.
9. Rhea and Vince were seen having lunch together earlier that day.

A) Rhea	B) Vince	C) Petra	D) Hans	E) Sylvie
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CASE 02

A confidential product roadmap was leaked to a competitor. The document went through four drafts before finalization. Five people touched the document: Niko (author), Amara (reviewer 1), Esteban (reviewer 2), Quinn (approver), and Lucia (administrative assistant). Case file EXPERT-002.

Q Who leaked the document?

1. The leaked version contains a typo: 'recieve' instead of 'receive.' This was caught and fixed in the final draft.
2. Draft history: Draft 1 (Niko wrote it), Draft 2 (Amara reviewed), Draft 3 (Esteban reviewed), Draft 4 (final, approved by Quinn).
3. The 'recieve' typo was introduced in Draft 3 by Esteban's edits and corrected in Draft 4.
4. Niko had access to Drafts 1, 2, and 4. He never saw Draft 3.
5. Amara only reviewed and returned Draft 2. She wasn't sent Draft 3 or 4.
6. Quinn received only the final Draft 4 for approval.
7. Lucia had system access to all draft versions as the file manager.
8. The leaked document contains margin comments in the style Esteban uses. Lucia's copies have no margin comments.
9. Esteban's computer shows an email sent to an external address at 11:52 PM on the night of the leak.

A) Niko	B) Amara	C) Esteban	D) Quinn	E) Lucia
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CASE 03

Two guests fell ill at a dinner party. Toxicology confirmed a compound in their wine. Twelve guests were at three tables. The host Felix decanted the wine. Sommelier Bruno served it. Cook Adele prepared the food. Guest Marcus brought a gift bottle. Guest Tilda arrived late. Case file EXPERT-003.

Q Who poisoned the wine?

1. The two sick guests (Margaret at Table 1 and Ivan at Table 3) both drank red wine.
2. Three red wine bottles were opened: A, B, and C. Bottles were labeled by table number.
3. Sommelier Bruno admits he accidentally swapped the labels on bottles A and C during service.
4. This means Margaret and Ivan actually drank from the same original bottle.
5. Host Felix decanted one bottle into a crystal decanter 20 minutes before dinner while alone in the dining room.
6. The toxin was found in the decanter residue. The original sealed bottle tested clean.
7. Bruno handled all three bottles but poured directly – the decanter was already prepared by Felix.
8. Adele never touched the wine. Marcus's gift bottle was white wine, unopened.
9. Tilda arrived after the wine had already been poured. She drank water.

NOTES

CASE 04

The company's main fiber optic backbone was cut at Junction Box 7B in the basement during a 2 AM maintenance window, causing a 6-hour outage. Five people had some form of access: Kenji (IT lead), Vera (IT engineer), Dan (facilities), Marta (remote IT), and Wei (night security). Case file EXPERT-004.

Q Who cut the fiber optic cable?

1. Junction Box 7B is in the basement. Only IT staff and facilities have basement key-card access after hours.
2. The network schematic showing Junction Box 7B's exact location is on a restricted drive. Only IT staff (Kenji, Vera, Marta) can access it.
3. Kenji was on PTO. Flight records show he left the city at 6 PM the previous day.
4. Marta works remotely from another city. She has schematic access but no physical building access.
5. Dan (facilities) has basement access but cannot access the restricted network schematic drive.
6. Wei (security) was on front desk duty. Lobby camera confirms continuous presence from midnight to 4 AM.
7. Vera's key card logged a basement entry at 1:45 AM.
8. The corridor sensor near Junction Box 7B logged Vera's badge at 2:02 AM.
9. Vera recently received a written warning about a disagreement with management over network architecture decisions.

Deduction Mysteries

CASE 05

A threatening email was sent to the CEO at 9:37 PM from inside the company network. The email originated from IP 10.4.12.88, which maps to the fourth-floor Wi-Fi access point. Five employees were in the building: Ines, Jun, Cora, Andre, and Sonja. Case file EXPERT-005.

Q Who sent the threatening email?

1. The email was sent at 9:37 PM from IP 10.4.12.88, mapped to the fourth-floor wireless access point.
2. VPN logs show zero remote connections at that time. The sender was physically in the building.
3. Badge records: Ines entered the fourth floor at 9:30 PM. No other fourth-floor badge entries between 9 and 10 PM.
4. Jun badged into the third floor at 9:15 PM and exited at 10:00 PM. Third floor has a different access point (10.3.x.x).
5. Cora's exit was logged at 8:45 PM. The door system shows no re-entry.
6. Parking garage camera shows Andre walking to his car from 9:30 to 9:45 PM.
7. Lobby camera shows Sonja waiting for a delivery from 9:20 to 9:50 PM.
8. Ines's laptop was the only device connected to the fourth-floor access point at 9:37 PM (DHCP log).
9. Ines was passed over for promotion in favor of the CEO's hire two weeks ago.

A) Ines	B) Jun	C) Cora	D) Andre	E) Sonja
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CASE 06

A diamond was stolen from a jewelry store's first-floor vault during a fire alarm evacuation (2:15-2:40 PM). Five employees were in the building: Rhea (third-floor office), Vince (second-floor stock), Petra (first-floor sales), Hans (first-floor security), and Sylvie (basement inventory). Case file EXPERT-006.

Q Who stole the diamond?

1. The fire alarm was pulled from the third-floor pull station at 2:15 PM.
2. Elevator log shows Rhea arrived on the third floor at 2:14 PM.
3. During evacuation, all employees were supposed to gather in the parking lot.
4. The parking lot headcount photo at 2:20 PM shows Petra, Hans, Sylvie, and Rhea. Vince is missing.
5. Vince claims he stopped at the second-floor bathroom before evacuating.
6. A neighbor's doorbell camera recorded someone matching Vince's description entering the building's west entrance at 2:18 PM. The west entrance is closest to the vault.
7. The vault was unlocked during business hours – it relies on security staff presence, not a lock, during the day.
8. Hans (security) was the first to reach the parking lot at 2:17 PM. He left his post at the vault when the alarm sounded.
9. Rhea and Vince were seen having lunch together earlier that day.

A) Rhea	B) Vince	C) Petra	D) Hans	E) Sylvie
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Answer Key – Deduction Mysteries

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

Case 01 B) Vince

- ☑ The fire alarm was pulled at 2:15 PM from the third-floor pull station.
 - ☑ The diamond was stolen from the first-floor vault during the evacuation (2:15-2:40 PM).
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Case 02 C) Esteban

- ☑ The leaked document contains a typo: 'recieve' instead of 'receive.' This typo exists only in Draft 3.
 - ☑ Draft history: Draft 1 (Niko), Draft 2 (Amara reviewed, corrected), Draft 3 (Esteban reviewed, introduced 'recieve' typo), Draft 4 (Final – typo was caught and fixed).
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Case 03 A) Felix

- ☑ Two guests got sick: Table 1's Margaret and Table 3's Ivan. Both drank red wine.
 - ☑ Three bottles of red wine were opened. Bottle labels: A (Table 1), B (Table 2), C (Table 3).
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Case 04 B) Vera

- ☑ The fiber optic cable was cut in Junction Box 7B in the basement, during the 2 AM maintenance window.
 - ☑ Only IT staff (Kenji, Vera) and facilities (Dan) have basement access after hours.
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Case 05 A) Ines

- ☑ The threatening email was sent at 9:37 PM from IP 10.4.12.88, which maps to the fourth-floor Wi-Fi access point.
 - ☑ VPN logs show no remote connections at that time – the sender was physically on the fourth floor.
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Case 06 B) Vince

- ☑ The fire alarm was pulled at 2:15 PM from the third-floor pull station.
- ☑ The diamond was stolen from the first-floor vault during the evacuation (2:15-2:40 PM).