

Deduction Mysteries

CASE 01

A glass vase was taken from the curator office of Pemberton Wing between 03:45 and 05:00. The operation required specific qualifications and access. 6 suspects: Nadia (night security), Fenella (janitor), Dimitri (tour guide), Ines (archivist), Simeon (docent), Jules (curator).

Q Who took the glass vase?

1. Three independent requirements: professional expertise, master key access, and presence at the curator office during the 03:45-05:00 window.
2. Ines had the qualifications but family was visiting during the window – third-party verified.
3. Nadia stated they left the building at 23:35, but the DHCP server log shows their elevator access active at 03:45.
4. Dimitri's master key was revoked two weeks prior; archived access list confirms.
5. Jules lacks the required professional expertise – confirmed by personnel records.
6. Simeon was at a documented hospital appointment during the window – verified by badge swipe log.
7. Fenella was at a documented conference during the window – verified by badge swipe log.
8. Dimitri was seen near the archive room earlier that evening, but they had left the building by 20:40 and never returned.
9. Nadia has all three required qualifications.
- 10 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches . inventory accessible only to Nadia.
- 11 The theft required a stamped seal serial number from a controlled supply closet.

CASE 02

A machine shop key set was taken from the welding bay of Saint-Clair Machining between 03:00 and 05:15. The operation required specific qualifications and access. 7 suspects: Stellan (customer service rep), Alejandro (electrician), Tomas (shop manager), Gisela (painter), Bao (parts clerk), Ulla (quality inspector), Ilya (machinist).

Q Who took the machine shop key set?

1. Gisela's shop key was revoked two weeks prior; archived access list confirms.
2. Gisela was seen near the paint booth earlier that evening, but they had left the building by 20:50 and never returned.
3. Ulla had the qualifications but was hospitalized during the window – third-party verified.
4. Alejandro's shop camera shows continuous presence in a separate building.
5. Tomas has all three required qualifications.
6. Ilya had the qualifications but was on a flight during the window – third-party verified.
7. Three independent requirements: professional expertise, shop key access, and presence at the welding bay during the 03:00-05:15 window.
8. The theft required a unique encryption signature traceable to internal-only training.
9. Stellan's time-clock log shows continuous presence in a separate building.
- 10 A trace at the scene – a unique encryption signature traceable to internal-only training – . matches inventory accessible only to Tomas.
- 11 Tomas stated they left the building at 22:10, but the network authentication record shows . their tool-crib key active at 03:00.
- 12 Bao lacks the required professional expertise – confirmed by personnel records.

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CASE 03

A member roster was taken from the main court of Saint-Clair Field House between 01:15 and 03:45. The operation required specific qualifications and access. 7 suspects: Eira (equipment manager), Wilder (facilities manager), Lior (team captain), Fenella (referee), Sora (star player), Faye (rookie player), Renata (athletic trainer).

Q Who took the member roster?

1. Fenella stated they left the building at 23:15, but the door sensor history shows their facility badge active at 01:15.
2. Sora's team key was revoked two weeks prior; archived access list confirms.
3. Three independent requirements: professional training, team key access, and presence at the main court during the 01:15-03:45 window.
4. Wilder's team key was revoked two weeks prior; archived access list confirms.
5. Faye's equipment sign-out shows continuous presence in a separate building.
6. Eira lacks the required professional training – confirmed by personnel records.
7. Sora was seen near the locker room earlier that evening, but they had left the building by 21:40 and never returned.
8. Fenella has all three required qualifications.
9. Lior lacks the required professional training – confirmed by personnel records.
- 10 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches . inventory accessible only to Fenella.
- 11 The theft required a stamped seal serial number from a controlled supply closet.
- 12 Renata's facility camera shows continuous presence in a separate building.

CASE 04

The quarterly financials were extracted from the executive suite of Velocity Networks between 00:15 and 02:15. The operation required specific qualifications and access. 6 suspects: Elara (security analyst), Priya (data scientist), Olive (intern), Omari (contractor), Ulla (DevOps lead), Oren (senior engineer).

Q Who extracted the quarterly financials?

1. Oren stated they left the building at 22:20, but the parking-lot camera shows their badge active at 00:15.
2. Olive lacks the required professional training – confirmed by personnel records.
3. Ulla's badge swipe shows continuous presence in a separate building.
4. Oren has all three required qualifications.
5. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Oren.
6. Priya lacks the required professional training – confirmed by personnel records.
7. Three independent requirements: professional training, MFA device access, and presence at the executive suite during the 00:15-02:15 window.
8. The data theft required a custom-machined tool stocked only in equipment closet B.
9. Elara lacks the required professional training – confirmed by personnel records.
- 10 Omari had the qualifications but was on a flight during the window – third-party verified.
- 11 Priya was seen near the network closet earlier that evening, but they had left the building by . 21:05 and never returned.

Deduction Mysteries

CASE 05

The master plans were taken from the welding bay of Brightline Industrial between 02:30 and 04:45. The operation required specific qualifications and access. 6 suspects: Ginevra (shop manager), Stellan (customer service rep), Bram (quality inspector), Kenji (master mechanic), Caelan (welder), Enzo (electrician).

Q Who took the master plans?

1. Stellan was at a documented training during the window – verified by door sensor.
2. Ginevra had the qualifications but was hospitalized during the window – third-party verified.
3. Caelan was at a documented hospital appointment during the window – verified by tool-checkout log.
4. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Bram.
5. Stellan was seen near the customer pickup bay earlier that evening, but they had left the building by 21:55 and never returned.
6. The theft required a stamped seal serial number from a controlled supply closet.
7. Enzo lacks the required professional training – confirmed by personnel records.
8. Bram has all three required qualifications.
9. Kenji's shop key was revoked two weeks prior; archived access list confirms.
- 10 Bram stated they left the building at 22:15, but the parking-lot camera shows their parts-room . code active at 02:30.
- 11 Three independent requirements: professional training, shop key access, and presence at the . welding bay during the 02:30-04:45 window.

CASE 06

A confidential memo was taken from the data center of Helix Corporation between 01:00 and 03:00. The operation required specific qualifications and access. 7 suspects: Xanthe (records clerk), Joren (executive assistant), Enzo (CFO), Dario (legal counsel), Elara (facilities coordinator), Bjorn (security officer), Bayan (HR director).

Q Who took the confidential memo?

1. Three independent requirements: professional training, elevator key access, and presence at the data center during the 01:00-03:00 window.
2. Joren was seen near the records vault earlier that evening, but they had left the building by 20:15 and never returned.
3. Xanthe has all three required qualifications.
4. Enzo lacks the required professional training – confirmed by personnel records.
5. Joren's elevator log shows continuous presence in a separate building.
6. Dario was at a documented training during the window – verified by witness account.
7. The corporate theft required a specific paint formulation only stocked in the restoration lab.
8. Bjorn lacks the required professional training – confirmed by personnel records.
9. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Xanthe.
- 10 Xanthe stated they left the building at 22:55, but the elevator log shows their elevator key . active at 01:00.
- 11 Elara's elevator key was revoked two weeks prior; archived access list confirms.
- 12 Bayan had the qualifications but was on a flight during the window – third-party verified.

Answer Key – Deduction Mysteries

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

Case 01 F) Nadia

- ☒ Three requirements (professional expertise, master key, presence at the curator office during the 03:45-05:00 window) plus a technical trace narrow this case.
 - ☒ Fenella eliminated by alibi or missing qualification.
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Case 02 A) Tomas

- ☒ Three requirements (professional expertise, shop key, presence at the welding bay during the 03:00-05:15 window) plus a technical trace narrow this case.
 - ☒ Stellan eliminated by alibi or missing qualification.
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Case 03 B) Fenella

- ☒ Three requirements (professional training, team key, presence at the main court during the 01:15-03:45 window) plus a technical trace narrow this case.
 - ☒ Eira eliminated by alibi or missing qualification.
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Case 04 F) Oren

- ☒ Three requirements (professional training, MFA device, presence at the executive suite during the 00:15-02:15 window) plus a technical trace narrow this case.
 - ☒ Elara eliminated by alibi or missing qualification.
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Case 05 D) Bram

- ☒ Three requirements (professional training, shop key, presence at the welding bay during the 02:30-04:45 window) plus a technical trace narrow this case.
 - ☒ Ginevra eliminated by alibi or missing qualification.
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Case 06 D) Xanthe

- ☒ Three requirements (professional training, elevator key, presence at the data center during the 01:00-03:00 window) plus a technical trace narrow this case.
- ☒ Joren eliminated by alibi or missing qualification.