

Deduction Mysteries

CASE 01

The admin credentials were extracted from the executive suite of Brightline Software between 02:30 and 04:45. The operation required specific qualifications and access. 6 suspects: Yvonne (support lead), Tomas (CTO), Kenji (DevOps lead), Mahdi (intern), Tarek (senior engineer), Gemma (contractor).

Q Who extracted the admin credentials?

1. Yvonne lacks the required professional expertise – confirmed by personnel records.
2. Kenji had the qualifications but was on a flight during the window – third-party verified.
3. Yvonne was seen near the testing lab earlier that evening, but they had left the building by 20:15 and never returned.
4. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Tomas.
5. Tarek had the qualifications but was hospitalized during the window – third-party verified.
6. Mahdi lacks the required professional expertise – confirmed by personnel records.
7. Three independent requirements: professional expertise, MFA device access, and presence at the executive suite during the 02:30-04:45 window.
8. Gemma had the qualifications but family was visiting during the window – third-party verified.
9. The data theft required a unique encryption signature traceable to internal-only training.
- 10 Tomas stated they left the building at 22:00, but the parking-lot camera shows their admin token active at 02:30.

11 Tomas has all three required qualifications.

A) Mahdi

B) Gemma

C) Tomas

D) Yvonne

E) Kenji

F) Tarek

CASE 02

The laptop with trade secrets were taken from the document destruction room of Quartermaine & Associates between 00:30 and 02:15. The operation required specific qualifications and access. 6 suspects: Zephyr (executive assistant), Xiomara (intern), Vidal (senior engineer), Isolde (CFO), Amari (records clerk), Suri (HR director).

Q Who took the laptop with trade secrets?

1. Amari was at a documented hospital appointment during the window – verified by door access record.
2. Suri has all three required qualifications.
3. Xiomara had the qualifications but was on a flight during the window – third-party verified.
4. The corporate theft required a digital certificate issued only to senior staff.
5. Zephyr's elevator log shows continuous presence in a separate building.
6. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Suri.
7. Xiomara was seen near the data center earlier that evening, but they had left the building by 20:30 and never returned.
8. Three independent requirements: professional certification, VPN access access, and presence at the document destruction room during the 00:30-02:15 window.
9. Isolde lacks the required professional certification – confirmed by personnel records.
- 10 Vidal was at a documented hospital appointment during the window – verified by printer log.
- 11 Suri stated they left the building at 23:00, but the DHCP server log shows their employee badge active at 00:30.

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CASE 03

A test specimen was swapped from the sample storage of Aldermarsh Laboratory between 02:45 and 04:15. The operation required specific qualifications and access. 7 suspects: Dimah (equipment manager), Amari (operations manager), Iolanthe (safety officer), Olive (undergraduate volunteer), Eleni (clinical coordinator), Kenji (visiting scientist), Ginevra (principal investigator).

Q Who swapped the test specimen?

1. Three independent requirements: professional certification, biohazard clearance access, and presence at the sample storage during the 02:45-04:15 window.
2. Iolanthe was at a documented hospital appointment during the window – verified by clean-room entry log.
3. Eleni's biohazard clearance was revoked two weeks prior; archived access list confirms.
4. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Amari.
5. Kenji's biohazard clearance was revoked two weeks prior; archived access list confirms.
6. Dimah was at a documented conference during the window – verified by clean-room entry log.
7. Amari stated they left the building at 22:40, but the elevator log shows their biohazard clearance active at 02:45.
8. The sample tampering required a digital certificate issued only to senior staff.
9. Amari has all three required qualifications.
- 10 Iolanthe was seen near the sample storage earlier that evening, but they had left the building . by 20:55 and never returned.
- 11 Olive's biohazard clearance was revoked two weeks prior; archived access list confirms.

CASE 04

A SSL certificate was extracted from the engineer pod of Quartermaine Cyber between 03:45 and 05:45. The operation required specific qualifications and access. 7 suspects: Zara (site-reliability engineer), Elspeth (product manager), Diallo (senior engineer), Hasan (data scientist), Mikael (support lead), Amari (security analyst), Quentin (intern).

Q Who extracted the SSL certificate?

1. Quentin was seen near the war room earlier that evening, but they had left the building by 21:00 and never returned.
2. Hasan's MFA device was revoked two weeks prior; archived access list confirms.
3. Three independent requirements: professional certification, MFA device access, and presence at the engineer pod during the 03:45-05:45 window.
4. Quentin was at a documented hospital appointment during the window – verified by badge swipe.
5. Diallo's badge swipe shows continuous presence in a separate building.
6. Amari stated they left the building at 22:40, but the DHCP server log shows their admin token active at 03:45.
7. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Amari.
8. The data theft required a custom-machined tool stocked only in equipment closet B.
9. Mikael had the qualifications but was hospitalized during the window – third-party verified.
- 10 Amari has all three required qualifications.
- 11 Elspeth lacks the required professional certification – confirmed by personnel records.
- 12 Zara had the qualifications but was on a flight during the window – third-party verified.

Deduction Mysteries

CASE 05

An original script was taken from the backstage left of Saint-Clair Playhouse between 00:15 and 02:15. The operation required specific qualifications and access. 6 suspects: Zara (director), Eira (prop master), Florian (lead actor), Kai (understudy), Olive (stage manager), Jules (box-office manager).

Q Who took the original script?

1. Kai's backstage pass was revoked two weeks prior; archived access list confirms.
2. Jules's props inventory log shows continuous presence in a separate building.
3. The theft required a specific paint formulation only stocked in the restoration lab.
4. Zara was at a documented training during the window – verified by box-office system.
5. Olive had the qualifications but family was visiting during the window – third-party verified.
6. Eira was seen near the prop storage earlier that evening, but they had left the building by 20:05 and never returned.
7. Eira had the qualifications but family was visiting during the window – third-party verified.
8. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Florian.
9. Three independent requirements: professional training, backstage pass access, and presence at the backstage left during the 00:15-02:15 window.
- 10 Florian has all three required qualifications.
- 11 Florian stated they left the building at 22:10, but the badge access record shows their

backstage pass active at 00:15	C) Olive	D) Florian	E) Kai	F) Zara
A) Eira	B) Jules			

CASE 06

A glass vase was taken from the loading dock of Whitmore Museum between 00:00 and 02:00. The operation required specific qualifications and access. 6 suspects: Hakim (curator), Diallo (janitor), Ronan (gift shop manager), Leila (security guard), Alejandro (night security), Darya (docent).

Q Who took the glass vase?

1. Leila lacks the required professional certification – confirmed by personnel records.
2. Ronan was at a documented training during the window – verified by badge swipe log.
3. Alejandro has all three required qualifications.
4. Leila was seen near the curator office earlier that evening, but they had left the building by 20:10 and never returned.
5. Three independent requirements: professional certification, vault combination access, and presence at the loading dock during the 00:00-02:00 window.
6. The theft required a custom-machined tool stocked only in equipment closet B.
7. Darya lacks the required professional certification – confirmed by personnel records.
8. Alejandro stated they left the building at 23:05, but the network authentication record shows their elevator access active at 00:00.
9. Diallo had the qualifications but family was visiting during the window – third-party verified.
- 10 A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Alejandro.
- 11 Hakim's vault combination was revoked two weeks prior; archived access list confirms.

Answer Key – Deduction Mysteries

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

Case 01 C) Tomas

- ☒ Three requirements (professional expertise, MFA device, presence at the executive suite during the 02:30-04:45 window) plus a technical trace narrow this case.
 - ☒ Yvonne eliminated by alibi or missing qualification.
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Case 02 F) Suri

- ☒ Three requirements (professional certification, VPN access, presence at the document destruction room during the 00:30-02:15 window) plus a technical trace narrow this case.
 - ☒ Zephyr eliminated by alibi or missing qualification.
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Case 03 undefined) Amari

- ☒ Three requirements (professional certification, biohazard clearance, presence at the sample storage during the 02:45-04:15 window) plus a technical trace narrow this case.
 - ☒ Dimah eliminated by alibi or missing qualification.
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Case 04 A) Amari

- ☒ Three requirements (professional certification, MFA device, presence at the engineer pod during the 03:45-05:45 window) plus a technical trace narrow this case.
 - ☒ Zara eliminated by alibi or missing qualification.
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Case 05 D) Florian

- ☒ Three requirements (professional training, backstage pass, presence at the backstage left during the 00:15-02:15 window) plus a technical trace narrow this case.
 - ☒ Zara eliminated by alibi or missing qualification.
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Case 06 B) Alejandro

- ☒ Three requirements (professional certification, vault combination, presence at the loading dock during the 00:00-02:00 window) plus a technical trace narrow this case.
- ☒ Hakim eliminated by alibi or missing qualification.