

Deduction Mysteries

CASE 01

An equipment manifest was taken from the administration office of Northgate Athletic Club between 00:30 and 02:00. The operation required specific qualifications and access. 6 suspects: Frida (referee), Dario (star player), Yusuf (equipment manager), Emiko (team captain), Aaliyah (rookie player), Yvonne (assistant coach).

Q Who took the equipment manifest?

1. Yvonne had the qualifications but was on a flight during the window – third-party verified.
2. Frida's facility badge was revoked two weeks prior; archived access list confirms.
3. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Emiko.
4. Yvonne was seen near the coach's office earlier that evening, but they had left the building by 21:25 and never returned.
5. Yusuf's facility badge was revoked two weeks prior; archived access list confirms.
6. Three independent requirements: professional certification, facility badge access, and presence at the administration office during the 00:30-02:00 window.
7. Aaliyah had the qualifications but was hospitalized during the window – third-party verified.
8. Emiko stated they left the building at 23:10, but the parking-lot camera shows their locker code active at 00:30.
9. Emiko has all three required qualifications.
- 10 Dario lacks the required professional certification – confirmed by personnel records.

11 The theft required a stamped seal serial number from a controlled supply closet.

A) Yusuf	B) Aaliyah	C) Dario	D) Frida	E) Yvonne	F) Emiko
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CASE 02

A source code repository was extracted from the server farm of Atlas Cloud between 00:45 and 02:15. The operation required specific qualifications and access. 6 suspects: Kenji (site-reliability engineer), Omari (CTO), Amelia (senior engineer), Maeve (support lead), Yusuf (data scientist), Finnegan (security analyst).

Q Who extracted the source code repository?

1. Kenji's SSH key was revoked two weeks prior; archived access list confirms.
2. Finnegan was at a documented training during the window – verified by witness colleague.
3. Maeve has all three required qualifications.
4. Finnegan was seen near the testing lab earlier that evening, but they had left the building by 21:55 and never returned.
5. The data theft required a stamped seal serial number from a controlled supply closet.
6. Omari lacks the required professional training – confirmed by personnel records.
7. Yusuf lacks the required professional training – confirmed by personnel records.
8. Maeve stated they left the building at 22:30, but the elevator log shows their admin token active at 00:45.
9. Amelia had the qualifications but was hospitalized during the window – third-party verified.
- 10 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Maeve.
- 11 Three independent requirements: professional training, SSH key access, and presence at the server farm during the 00:45-02:15 window.

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CASE 03

The tax records were taken from the research area of Northgate Estate Archive between 02:15 and 04:45. The operation required specific qualifications and access. 7 suspects: Lior (security officer), Florian (administrator), Theo (volunteer), Yusuf (records administrator), Sora (clerk), Cassia (intern), Mauro (researcher).

Q Who took the tax records?

1. Mauro has all three required qualifications.
2. Florian was at a documented training during the window – verified by camera footage.
3. The theft required a stamped seal serial number from a controlled supply closet.
4. Cassia was seen near the staff break room earlier that evening, but they had left the building by 21:15 and never returned.
5. Yusuf was at a documented training during the window – verified by witness patron.
6. Cassia lacks the required professional training – confirmed by personnel records.
7. Mauro stated they left the building at 23:50, but the door sensor history shows their research-room pass active at 02:15.
8. Lior was at a documented hospital appointment during the window – verified by archive log.
9. Theo's archive badge was revoked two weeks prior; archived access list confirms.
- 10 Sora was at a documented hospital appointment during the window – verified by archive log.
- 11 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches . inventory accessible only to Mauro.
- 12 Three independent requirements: professional training, archive badge access, and presence at . the research area during the 02:15-04:45 window.

CASE 04

The quarterly financials were extracted from the code review room of Northgate Systems between 03:45 and 05:45. The operation required specific qualifications and access. 7 suspects: Finnegan (contractor), Amari (security analyst), Anand (DevOps lead), Quentin (intern), Katarina (product manager), Isolde (site-reliability engineer), Mira (CTO).

Q Who extracted the quarterly financials?

1. Quentin's MFA token log shows continuous presence in a separate building.
2. Finnegan has all three required qualifications.
3. Three independent requirements: professional training, SSH key access, and presence at the code review room during the 03:45-05:45 window.
4. Amari lacks the required professional training – confirmed by personnel records.
5. The data theft required a unique encryption signature traceable to internal-only training.
6. Katarina's SSH authentication log shows continuous presence in a separate building.
7. Mira's SSH key was revoked two weeks prior; archived access list confirms.
8. Amari was seen near the executive suite earlier that evening, but they had left the building by 20:55 and never returned.
9. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Finnegan.
- 10 Isolde lacks the required professional training – confirmed by personnel records.
- 11 Finnegan stated they left the building at 22:30, but the parking-lot camera shows their VPN . credentials active at 03:45.
- 12 Anand had the qualifications but was hospitalized during the window – third-party verified.

Deduction Mysteries

CASE 05

A game-day playbook was taken from the coach's office of Helix Sports Complex between 01:00 and 03:30. The operation required specific qualifications and access. 7 suspects: Amelia (star player), Alessio (athletic trainer), Ginevra (facilities manager), Iolanthe (team captain), Bayan (rookie player), Darya (assistant coach), Ravi (head coach).

Q Who took the game-day playbook?

1. Amelia was at a documented conference during the window – verified by witness teammate.
2. Ginevra was seen near the equipment shed earlier that evening, but they had left the building by 21:35 and never returned.
3. Ginevra lacks the required professional certification – confirmed by personnel records.
4. Alessio's locker code was revoked two weeks prior; archived access list confirms.
5. The theft required a stamped seal serial number from a controlled supply closet.
6. Iolanthe has all three required qualifications.
7. Iolanthe stated they left the building at 23:45, but the DHCP server log shows their equipment-room key active at 01:00.
8. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Iolanthe.
9. Ravi's locker-room sensor shows continuous presence in a separate building.
- 10 Three independent requirements: professional certification, locker code access, and presence at the coach's office during the 01:00-03:30 window.
- 11 Bayan's locker code was revoked two weeks prior; archived access list confirms.
- 12 Darya lacks the required professional certification – confirmed by personnel records.

CASE 06

A musical score was taken from the costume room of Pemberton Opera House between 00:30 and 02:00. The operation required specific qualifications and access. 6 suspects: Odell (director), Mauro (costume designer), Idris (understudy), Diallo (stagehand), Quincy (prop master), Theo (box-office manager).

Q Who took the musical score?

1. Odell's prop-room code was revoked two weeks prior; archived access list confirms.
2. Quincy has all three required qualifications.
3. Mauro had the qualifications but family was visiting during the window – third-party verified.
4. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Quincy.
5. Mauro was seen near the catwalk earlier that evening, but they had left the building by 21:20 and never returned.
6. Theo lacks the required professional expertise – confirmed by personnel records.
7. Three independent requirements: professional expertise, prop-room code access, and presence at the costume room during the 00:30-02:00 window.
8. Idris was at a documented training during the window – verified by stage door camera.
9. Diallo lacks the required professional expertise – confirmed by personnel records.
- 10 Quincy stated they left the building at 23:50, but the DHCP server log shows their box-office key active at 00:30.
- 11 The theft required a custom-machined tool stocked only in equipment closet B.

Answer Key – Deduction Mysteries

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

Case 01 F) Emiko

- ☒ Three requirements (professional certification, facility badge, presence at the administration office during the 00:30-02:00 window) plus a technical trace narrow this case.
 - ☒ Frida eliminated by alibi or missing qualification.
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Case 02 B) Maeve

- ☒ Three requirements (professional training, SSH key, presence at the server farm during the 00:45-02:15 window) plus a technical trace narrow this case.
 - ☒ Kenji eliminated by alibi or missing qualification.
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Case 03 D) Mauro

- ☒ Three requirements (professional training, archive badge, presence at the research area during the 02:15-04:45 window) plus a technical trace narrow this case.
 - ☒ Lior eliminated by alibi or missing qualification.
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Case 04 A) Finnegan

- ☒ Three requirements (professional training, SSH key, presence at the code review room during the 03:45-05:45 window) plus a technical trace narrow this case.
 - ☒ Amari eliminated by alibi or missing qualification.
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Case 05 F) Iolanthe

- ☒ Three requirements (professional certification, locker code, presence at the coach's office during the 01:00-03:30 window) plus a technical trace narrow this case.
 - ☒ Amelia eliminated by alibi or missing qualification.
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Case 06 C) Quincy

- ☒ Three requirements (professional expertise, prop-room code, presence at the costume room during the 00:30-02:00 window) plus a technical trace narrow this case.
- ☒ Odell eliminated by alibi or missing qualification.