

Deduction Mysteries

CASE 01

An annotated copy was taken from the restoration room of Aldermarsh Library between 00:30 and 02:00. The operation required specific qualifications and access. 6 suspects: Tomas (archivist), Kalisa (intern), Mei (custodian), Daphne (rare-books curator), Tariq (head librarian), Xanthe (cataloger).

Q Who took the annotated copy?

1. Tariq's staff key was revoked two weeks prior; archived access list confirms.
2. Tomas was seen near the reading room earlier that evening, but they had left the building by 20:45 and never returned.
3. Mei stated they left the building at 22:55, but the badge access record shows their vault key active at 00:30.
4. Tomas's staff key was revoked two weeks prior; archived access list confirms.
5. Daphne was at a documented training during the window – verified by badge swipe.
6. Kalisa was at a documented conference during the window – verified by book-checkout record.
7. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Mei.
8. Three independent requirements: professional training, staff key access, and presence at the restoration room during the 00:30-02:00 window.
9. Mei has all three required qualifications.
- 10 Xanthe's staff key was revoked two weeks prior; archived access list confirms.

11 The theft required a custom-machined tool stocked only in equipment closet B.

A) Kalisa

B) Tomas

C) Daphne

D) Mei

E) Xanthe

F) Tariq

CASE 02

The locker contents were taken from the equipment shed of Aldermarsh Arena between 01:00 and 03:00. The operation required specific qualifications and access. 7 suspects: Kalisa (facilities manager), Tomas (team captain), Pavel (team statistician), Quincy (athletic trainer), Klaus (referee), Eira (equipment manager), Roksana (star player).

Q Who took the locker contents?

1. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Quincy.
2. Eira's team key was revoked two weeks prior; archived access list confirms.
3. The theft required a stamped seal serial number from a controlled supply closet.
4. Kalisa lacks the required professional certification – confirmed by personnel records.
5. Pavel's team key was revoked two weeks prior; archived access list confirms.
6. Roksana was at a documented hospital appointment during the window – verified by witness teammate.
7. Klaus lacks the required professional certification – confirmed by personnel records.
8. Three independent requirements: professional certification, team key access, and presence at the equipment shed during the 01:00-03:00 window.
9. Quincy stated they left the building at 22:05, but the network authentication record shows their locker code active at 01:00.
- 10 Roksana was seen near the training facility earlier that evening, but they had left the building by 20:30 and never returned.
- 11 Tomas was at a documented conference during the window – verified by facility camera.

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CASE 03

A source code repository was extracted from the server farm of Velocity Networks between 03:30 and 05:00. The operation required specific qualifications and access. 7 suspects: Ravi (senior engineer), Vera (contractor), Cyrus (product manager), Penelope (support lead), Cassia (site-reliability engineer), Galina (security analyst), Phaedra (data scientist).

Q Who extracted the source code repository?

1. Cyrus was seen near the executive suite earlier that evening, but they had left the building by 20:15 and never returned.
2. Ravi lacks the required professional expertise – confirmed by personnel records.
3. Three independent requirements: professional expertise, VPN credentials access, and presence at the server farm during the 03:30-05:00 window.
4. Cassia stated they left the building at 22:35, but the parking-lot camera shows their VPN credentials active at 03:30.
5. Penelope was at a documented conference during the window – verified by witness colleague.
6. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Cassia.
7. Phaedra's MFA token log shows continuous presence in a separate building.
8. Cassia has all three required qualifications.
9. Galina's VPN credentials was revoked two weeks prior; archived access list confirms.
- 10 The data theft required a digital certificate issued only to senior staff.
- 11 Cyrus had the qualifications but family was visiting during the window – third-party verified.
- 12 Vera's SSH authentication log shows continuous presence in a separate building.

CASE 04

An archive password log was taken from the special collections room of Quartermaine Archive between 02:15 and 04:00. The operation required specific qualifications and access. 6 suspects: Caelan (research assistant), Daphne (rare-books curator), Kerensa (archivist), Oren (head librarian), Mira (intern), Dimah (visiting scholar).

Q Who took the archive password log?

1. Daphne was at a documented training during the window – verified by door sensor.
2. Kerensa was seen near the microfilm area earlier that evening, but they had left the building by 21:05 and never returned.
3. Caelan had the qualifications but family was visiting during the window – third-party verified.
4. Mira has all three required qualifications.
5. Mira stated they left the building at 22:45, but the badge access record shows their staff key active at 02:15.
6. Dimah's archive log shows continuous presence in a separate building.
7. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Mira.
8. Three independent requirements: professional training, vault key access, and presence at the special collections room during the 02:15-04:00 window.
9. The theft required a unique encryption signature traceable to internal-only training.
- 10 Oren had the qualifications but was on a flight during the window – third-party verified.
- 11 Kerensa had the qualifications but was on a flight during the window – third-party verified.

Deduction Mysteries

CASE 05

The tax records were taken from the cataloging room of Northgate Estate Archive between 02:45 and 04:15. The operation required specific qualifications and access. 6 suspects: Renata (clerk), Amelia (genealogist), Cassia (intern), Cosima (researcher), Kiran (administrator), Eira (conservation specialist).

Q Who took the tax records?

1. Cassia lacks the required professional certification – confirmed by personnel records.
2. Kiran was seen near the cataloging room earlier that evening, but they had left the building by 21:35 and never returned.
3. Eira's admin code was revoked two weeks prior; archived access list confirms.
4. Cosima stated they left the building at 23:15, but the elevator log shows their research-room pass active at 02:45.
5. Amelia lacks the required professional certification – confirmed by personnel records.
6. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Cosima.
7. Cosima has all three required qualifications.
8. Renata's vault entry record shows continuous presence in a separate building.
9. The theft required a unique encryption signature traceable to internal-only training.
- 10 Kiran lacks the required professional certification – confirmed by personnel records.
- 11 Three independent requirements: professional certification, admin code access, and presence at

. the cataloging room during the	02:45-04:15 window.		
A) Kiran	B) Cassia	C) Cosima	D) Amelia
			E) Renata
			F) Eira

CASE 06

A VIP patient file was taken from the intensive care wing of Northgate Memorial between 02:00 and 04:00. The operation required specific qualifications and access. 6 suspects: Zinnia (medical resident), Xanthe (technician), Kalisa (janitor), Wilder (pharmacist), Helena (administrator), Diallo (social worker).

Q Who took the VIP patient file?

1. Wilder was seen near the blood bank earlier that evening, but they had left the building by 21:15 and never returned.
2. Diallo lacks the required professional expertise – confirmed by personnel records.
3. Zinnia had the qualifications but family was visiting during the window – third-party verified.
4. Helena has all three required qualifications.
5. Xanthe was at a documented hospital appointment during the window – verified by badge log.
6. Helena stated they left the building at 22:35, but the parking-lot camera shows their restricted-wing access active at 02:00.
7. Wilder had the qualifications but was hospitalized during the window – third-party verified.
8. Kalisa's administrator code was revoked two weeks prior; archived access list confirms.
9. The theft required a specific paint formulation only stocked in the restoration lab.
- 10 Three independent requirements: professional expertise, administrator code access, and presence at the intensive care wing during the 02:00-04:00 window.
- 11 A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Helena.

Answer Key – Deduction Mysteries

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

Case 01 D) Mei

- ☒ Three requirements (professional training, staff key, presence at the restoration room during the 00:30-02:00 window) plus a technical trace narrow this case.
 - ☒ Tomas eliminated by alibi or missing qualification.
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Case 02 B) Quincy

- ☒ Three requirements (professional certification, team key, presence at the equipment shed during the 01:00-03:00 window) plus a technical trace narrow this case.
 - ☒ Kalisa eliminated by alibi or missing qualification.
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Case 03 D) Cassia

- ☒ Three requirements (professional expertise, VPN credentials, presence at the server farm during the 03:30-05:00 window) plus a technical trace narrow this case.
 - ☒ Ravi eliminated by alibi or missing qualification.
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Case 04 C) Mira

- ☒ Three requirements (professional training, vault key, presence at the special collections room during the 02:15-04:00 window) plus a technical trace narrow this case.
 - ☒ Caelan eliminated by alibi or missing qualification.
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Case 05 C) Cosima

- ☒ Three requirements (professional certification, admin code, presence at the cataloging room during the 02:45-04:15 window) plus a technical trace narrow this case.
 - ☒ Renata eliminated by alibi or missing qualification.
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Case 06 B) Helena

- ☒ Three requirements (professional expertise, administrator code, presence at the intensive care wing during the 02:00-04:00 window) plus a technical trace narrow this case.
- ☒ Zinnia eliminated by alibi or missing qualification.