

Deduction Mysteries

CASE 01

A member roster was taken from the press box of Brightline Fitness between 03:15 and 05:30. The operation required specific qualifications and access. 7 suspects: Etienne (assistant coach), Hakim (equipment manager), Isolde (head coach), Alejandro (referee), Quincy (facilities manager), Xiomara (team captain), Sora (star player).

Q Who took the member roster?

1. Isolde's locker code was revoked two weeks prior; archived access list confirms.
2. Etienne has all three required qualifications.
3. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Etienne.
4. Three independent requirements: professional certification, locker code access, and presence at the press box during the 03:15-05:30 window.
5. Etienne stated they left the building at 23:30, but the network authentication record shows their team key active at 03:15.
6. Alejandro had the qualifications but family was visiting during the window – third-party verified.
7. The theft required a specific paint formulation only stocked in the restoration lab.
8. Hakim lacks the required professional certification – confirmed by personnel records.
9. Sora's locker-room sensor shows continuous presence in a separate building.
- 10 Xiomara was at a documented hospital appointment during the window – verified by badge log.
- 11 Quincy lacks the required professional certification – confirmed by personnel records.
- 12 Sora was seen near the training pool earlier that evening, but they had left the building by ~~21:50 and never returned.~~

CASE 02

A prototype compound was swapped from the autoclave room of Pemberton Pharmaceuticals between 00:15 and 02:30. The operation required specific qualifications and access. 6 suspects: Gisela (safety officer), Talia (lab technician), Thora (graduate student), Mikael (operations manager), Stellan (clinical coordinator), Suri (equipment manager).

Q Who swapped the prototype compound?

1. Gisela had the qualifications but was hospitalized during the window – third-party verified.
2. Suri lacks the required professional expertise – confirmed by personnel records.
3. Talia stated they left the building at 22:05, but the network authentication record shows their biohazard clearance active at 00:15.
4. Talia has all three required qualifications.
5. Stellan's clean-room entry log shows continuous presence in a separate building.
6. Thora was seen near the centrifuge bay earlier that evening, but they had left the building by 21:05 and never returned.
7. Thora lacks the required professional expertise – confirmed by personnel records.
8. Mikael lacks the required professional expertise – confirmed by personnel records.
9. The sample tampering required a custom-machined tool stocked only in equipment closet B.
- 10 A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Talia.
- 11 Three independent requirements: professional expertise, lab badge access, and presence at the autoclave room during the 00:15-02:30 window.

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CASE 03

The locker contents were taken from the administration office of Pemberton Stadium between 01:45 and 03:30. The operation required specific qualifications and access. 6 suspects: Eira (rookie player), Klaus (referee), Ilya (team captain), Ronan (star player), Xiomara (equipment manager), Dimah (head coach).

Q Who took the locker contents?

1. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Eira.
2. Dimah's facility badge was revoked two weeks prior; archived access list confirms.
3. Three independent requirements: professional certification, facility badge access, and presence at the administration office during the 01:45-03:30 window.
4. Xiomara's badge log shows continuous presence in a separate building.
5. Eira stated they left the building at 23:10, but the door sensor history shows their facility badge active at 01:45.
6. Eira has all three required qualifications.
7. Ilya had the qualifications but was on a flight during the window – third-party verified.
8. Klaus's facility badge was revoked two weeks prior; archived access list confirms.
9. Ronan's facility badge was revoked two weeks prior; archived access list confirms.
- 10 The theft required a specific paint formulation only stocked in the restoration lab.
- 11 Dimah was seen near the training pool earlier that evening, but they had left the building by

. 21:40 and never returned.

A) Xiomara

B) Eira

C) Ronan

D) Klaus

E) Dimah

F) Ilya

CASE 04

A Vermeer sketch was taken from the second-floor gallery of Saint-Clair Museum between 01:45 and 03:30. The operation required specific qualifications and access. 6 suspects: Meriel (security guard), Ravi (docent), Aiko (janitor), Pavel (archivist), Diallo (art restorer), Lior (tour guide).

Q Who took the Vermeer sketch?

1. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Lior.
2. Diallo was at a documented training during the window – verified by elevator log.
3. Ravi's security camera shows continuous presence in a separate building.
4. Ravi was seen near the climate-controlled vault earlier that evening, but they had left the building by 20:45 and never returned.
5. Meriel lacks the required professional training – confirmed by personnel records.
6. Lior has all three required qualifications.
7. Lior stated they left the building at 23:35, but the badge access record shows their security badge active at 01:45.
8. Three independent requirements: professional training, master key access, and presence at the second-floor gallery during the 01:45-03:30 window.
9. The theft required a stamped seal serial number from a controlled supply closet.
- 10 Aiko was at a documented conference during the window – verified by motion sensor.
- 11 Pavel was at a documented training during the window – verified by witness testimony.

Deduction Mysteries

CASE 05

A historical photograph was taken from the registration desk of Saint-Clair Historical Society between 03:30 and 05:45. The operation required specific qualifications and access. 6 suspects: Eleni (records administrator), Kasper (volunteer), Renata (administrator), Fariha (security officer), Tatum (head archivist), Meriel (clerk).

Q Who took the historical photograph?

1. Renata lacks the required professional expertise – confirmed by personnel records.
2. Eleni has all three required qualifications.
3. Eleni stated they left the building at 22:25, but the badge access record shows their admin code active at 03:30.
4. Renata was seen near the restricted reading room earlier that evening, but they had left the building by 21:35 and never returned.
5. Kasper's admin code was revoked two weeks prior; archived access list confirms.
6. Meriel was at a documented training during the window – verified by camera footage.
7. Fariha's admin code was revoked two weeks prior; archived access list confirms.
8. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Eleni.
9. The theft required a digital certificate issued only to senior staff.
- 10 Tatum's witness patron shows continuous presence in a separate building.
- 11 Three independent requirements: professional expertise, admin code access, and presence at the

registration desk during the 03:30-05:45 window.

A) Kasper	B) Fariha	C) Meriel	D) Tatum	E) Eleni	F) Renata
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CASE 06

The clinical trial samples were taken from the operating theater of Brierfield Hospital between 00:15 and 02:30. The operation required specific qualifications and access. 6 suspects: Alessio (janitor), Helena (social worker), Akhil (technician), Wilder (head nurse), Hakim (pharmacist), Adrian (security officer).

Q Who took the clinical trial samples?

1. Alessio stated they left the building at 22:10, but the parking-lot camera shows their pharmacy key active at 00:15.
2. Alessio has all three required qualifications.
3. Wilder's administrator code was revoked two weeks prior; archived access list confirms.
4. Akhil had the qualifications but was hospitalized during the window – third-party verified.
5. The theft required a custom-machined tool stocked only in equipment closet B.
6. Helena lacks the required professional expertise – confirmed by personnel records.
7. Hakim's medication audit shows continuous presence in a separate building.
8. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Alessio.
9. Adrian had the qualifications but was on a flight during the window – third-party verified.
- 10 Hakim was seen near the pharmacy earlier that evening, but they had left the building by 20:55 and never returned.
- 11 Three independent requirements: professional expertise, administrator code access, and presence at the operating theater during the 00:15-02:30 window.

Answer Key – Deduction Mysteries

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

Case 01 C) Etienne

- ☒ Three requirements (professional certification, locker code, presence at the press box during the 03:15-05:30 window) plus a technical trace narrow this case.
 - ☒ Hakim eliminated by alibi or missing qualification.
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Case 02 B) Talia

- ☒ Three requirements (professional expertise, lab badge, presence at the autoclave room during the 00:15-02:30 window) plus a technical trace narrow this case.
 - ☒ Gisela eliminated by alibi or missing qualification.
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Case 03 B) Eira

- ☒ Three requirements (professional certification, facility badge, presence at the administration office during the 01:45-03:30 window) plus a technical trace narrow this case.
 - ☒ Klaus eliminated by alibi or missing qualification.
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Case 04 B) Lior

- ☒ Three requirements (professional training, master key, presence at the second-floor gallery during the 01:45-03:30 window) plus a technical trace narrow this case.
 - ☒ Meriel eliminated by alibi or missing qualification.
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Case 05 E) Eleni

- ☒ Three requirements (professional expertise, admin code, presence at the registration desk during the 03:30-05:45 window) plus a technical trace narrow this case.
 - ☒ Kasper eliminated by alibi or missing qualification.
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Case 06 D) Alessio

- ☒ Three requirements (professional expertise, administrator code, presence at the operating theater during the 00:15-02:30 window) plus a technical trace narrow this case.
- ☒ Helena eliminated by alibi or missing qualification.