

## Deduction Mysteries

### CASE 01

A jade figurine was taken from the private collection room of Aldworth Collection between 03:45 and 05:30. The operation required specific qualifications and access. 7 suspects: Mauro (docent), Hasan (exhibition designer), Xiomara (curator), Wren (archivist), Sami (gift shop manager), Juno (art restorer), Gunnar (security guard).

#### Q Who took the jade figurine?

1. Sami had the qualifications but was on a flight during the window – third-party verified.
2. The theft required a custom-machined tool stocked only in equipment closet B.
3. Xiomara's badge swipe log shows continuous presence in a separate building.
4. Juno was seen near the loading dock earlier that evening, but they had left the building by 20:15 and never returned.
5. Gunnar's motion sensor shows continuous presence in a separate building.
6. Juno's elevator access was revoked two weeks prior; archived access list confirms.
7. Hasan stated they left the building at 23:50, but the door sensor history shows their master key active at 03:45.
8. Wren had the qualifications but was hospitalized during the window – third-party verified.
9. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Hasan.
- 10 Three independent requirements: professional training, elevator access access, and presence at the private collection room during the 03:45–05:30 window.
- 11 Hasan has all three required qualifications.
- 12 Mauro lacks the required professional training – confirmed by personnel records.

### CASE 02

An encrypted hard drive was taken from the executive suite of Meridian Capital between 02:45 and 04:30. The operation required specific qualifications and access. 6 suspects: Amelia (intern), Mei (CFO), Joaquin (executive assistant), Ishaan (facilities coordinator), Mateo (legal counsel), Leila (HR director).

#### Q Who took the encrypted hard drive?

1. Leila had the qualifications but was hospitalized during the window – third-party verified.
2. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Ishaan.
3. Three independent requirements: professional training, admin credentials access, and presence at the executive suite during the 02:45–04:30 window.
4. The corporate theft required a unique encryption signature traceable to internal-only training.
5. Mateo lacks the required professional training – confirmed by personnel records.
6. Amelia's witness account shows continuous presence in a separate building.
7. Ishaan stated they left the building at 22:50, but the door sensor history shows their document-room code active at 02:45.
8. Amelia was seen near the filing cabinet earlier that evening, but they had left the building by 21:00 and never returned.
9. Mei had the qualifications but family was visiting during the window – third-party verified.
- 10 Joaquin lacks the required professional training – confirmed by personnel records.
- 11 Ishaan has all three required qualifications.

## Deduction Mysteries

### CASE 03

A birth certificate was taken from the restricted reading room of City Records Office between 03:00 and 05:45. The operation required specific qualifications and access. 6 suspects: Hadley (intern), Kenji (volunteer), Cosima (security officer), Aaliyah (genealogist), Leander (head archivist), Ula (records administrator).

#### Q Who took the birth certificate?

1. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Cosima.
2. Aaliyah's vault key was revoked two weeks prior; archived access list confirms.
3. The theft required a unique encryption signature traceable to internal-only training.
4. Cosima has all three required qualifications.
5. Hadley was at a documented training during the window – verified by vault entry record.
6. Leander's vault key was revoked two weeks prior; archived access list confirms.
7. Ula was seen near the registration desk earlier that evening, but they had left the building by 20:05 and never returned.
8. Ula's vault key was revoked two weeks prior; archived access list confirms.
9. Cosima stated they left the building at 22:40, but the door sensor history shows their research-room pass active at 03:00.
- 10 Three independent requirements: professional training, vault key access, and presence at the . restricted reading room during the 03:00-05:45 window.

11 Kenji's archive log shows continuous presence in a separate building.

A) Kenji	B) Cosima	C) Aaliyah	D) Ula	E) Leander	F) Hadley
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### CASE 04

A member roster was taken from the locker room of Helix Sports Complex between 03:00 and 05:15. The operation required specific qualifications and access. 7 suspects: Kasper (head coach), Finnegan (team statistician), Jules (referee), Oren (facilities manager), Xiomara (rookie player), Cedric (athletic trainer), Dario (assistant coach).

#### Q Who took the member roster?

1. Kasper was at a documented hospital appointment during the window – verified by facility camera.
2. Finnegan lacks the required professional certification – confirmed by personnel records.
3. Oren had the qualifications but was hospitalized during the window – third-party verified.
4. Xiomara stated they left the building at 22:35, but the badge access record shows their team key active at 03:00.
5. Xiomara has all three required qualifications.
6. Dario's locker code was revoked two weeks prior; archived access list confirms.
7. Finnegan was seen near the administration office earlier that evening, but they had left the building by 21:35 and never returned.
8. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Xiomara.
9. The theft required a unique encryption signature traceable to internal-only training.
- 10 Three independent requirements: professional certification, locker code access, and presence . at the locker room during the 03:00-05:15 window.
- 11 Cedric's witness teammate shows continuous presence in a separate building.

## Deduction Mysteries

### CASE 05

The prototype specifications were taken from the filing cabinet of Quartermaine & Associates between 00:45 and 02:15. The operation required specific qualifications and access. 7 suspects: Vidal (security officer), Rosalind (legal counsel), Octavia (CFO), Juno (executive assistant), Selene (facilities coordinator), Fariha (IT administrator), Amari (intern).

#### Q Who took the prototype specifications?

1. Vidal's door access record shows continuous presence in a separate building.
2. Fariha was at a documented conference during the window – verified by elevator log.
3. Amari stated they left the building at 22:30, but the door sensor history shows their VPN access active at 00:45.
4. Rosalind lacks the required professional training – confirmed by personnel records.
5. Amari has all three required qualifications.
6. The corporate theft required a custom-machined tool stocked only in equipment closet B.
7. Juno's printer log shows continuous presence in a separate building.
8. Octavia was seen near the executive suite earlier that evening, but they had left the building by 21:40 and never returned.
9. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Amari.
- 10 Three independent requirements: professional training, elevator key access, and presence at the filing cabinet during the 00:45–02:15 window.
- 11 Octavia's printer log shows continuous presence in a separate building.
- 12 Selene lacks the required professional training – confirmed by personnel records.

### CASE 06

The box-office receipts were taken from the backstage left of Saint-Clair Playhouse between 02:00 and 04:00. The operation required specific qualifications and access. 6 suspects: Zara (director), Roksana (understudy), Fariha (lighting tech), Mei (box-office manager), Ginevra (lead actor), Jian (costume designer).

#### Q Who took the box-office receipts?

1. Ginevra's prop-room code was revoked two weeks prior; archived access list confirms.
2. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Zara.
3. Jian had the qualifications but was on a flight during the window – third-party verified.
4. Roksana had the qualifications but was hospitalized during the window – third-party verified.
5. Zara stated they left the building at 23:25, but the network authentication record shows their box-office key active at 02:00.
6. Ginevra was seen near the dressing room earlier that evening, but they had left the building by 21:35 and never returned.
7. Fariha's prop-room code was revoked two weeks prior; archived access list confirms.
8. Three independent requirements: professional expertise, prop-room code access, and presence at the backstage left during the 02:00–04:00 window.
9. The theft required a digital certificate issued only to senior staff.
- 10 Mei had the qualifications but was on a flight during the window – third-party verified.
- 11 Zara has all three required qualifications.

## Answer Key – Deduction Mysteries

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

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### Case 01 **undefined**) Hasan

- ☒ Three requirements (professional training, elevator access, presence at the private collection room during the 03:45-05:30 window) plus a technical trace narrow this case.
  - ☒ Mauro eliminated by alibi or missing qualification.
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### Case 02 **D**) Ishaan

- ☒ Three requirements (professional training, admin credentials, presence at the executive suite during the 02:45-04:30 window) plus a technical trace narrow this case.
  - ☒ Amelia eliminated by alibi or missing qualification.
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### Case 03 **B**) Cosima

- ☒ Three requirements (professional training, vault key, presence at the restricted reading room during the 03:00-05:45 window) plus a technical trace narrow this case.
  - ☒ Hadley eliminated by alibi or missing qualification.
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### Case 04 **B**) Xiomara

- ☒ Three requirements (professional certification, locker code, presence at the locker room during the 03:00-05:15 window) plus a technical trace narrow this case.
  - ☒ Kasper eliminated by alibi or missing qualification.
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### Case 05 **A**) Amari

- ☒ Three requirements (professional training, elevator key, presence at the filing cabinet during the 00:45-02:15 window) plus a technical trace narrow this case.
  - ☒ Vidal eliminated by alibi or missing qualification.
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### Case 06 **E**) Zara

- ☒ Three requirements (professional expertise, prop-room code, presence at the backstage left during the 02:00-04:00 window) plus a technical trace narrow this case.
  - ☒ Roksana eliminated by alibi or missing qualification.
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