

## Deduction Mysteries

### CASE 01

A source code repository was extracted from the engineer pod of Velocity Networks between 02:15 and 04:15. The operation required specific qualifications and access. 6 suspects: Juno (security analyst), Yara (site-reliability engineer), Yusuf (product manager), Etienne (DevOps lead), Meriel (senior engineer), Talia (data scientist).

#### Q Who extracted the source code repository?

1. Etienne's badge swipe shows continuous presence in a separate building.
2. Meriel's CCTV camera shows continuous presence in a separate building.
3. Yara was seen near the network closet earlier that evening, but they had left the building by 20:40 and never returned.
4. Juno has all three required qualifications.
5. The data theft required a specific paint formulation only stocked in the restoration lab.
6. Yara had the qualifications but was hospitalized during the window – third-party verified.
7. Three independent requirements: professional certification, admin token access, and presence at the engineer pod during the 02:15-04:15 window.
8. Yusuf had the qualifications but family was visiting during the window – third-party verified.
9. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Juno.
- 10 Juno stated they left the building at 22:20, but the door sensor history shows their MFA device active at 02:15.

11 Talia was at a documented conference during the window – verified by witness colleague.

A) Etienne      B) Talia      C) Yusuf      D) Meriel      E) Yara      F) Juno

### CASE 02

A confidential memo was taken from the secure terminal of Atlas Group between 00:00 and 02:30. The operation required specific qualifications and access. 7 suspects: Noor (senior engineer), Jacinta (records clerk), Magnus (legal counsel), Tomas (security officer), Ronan (facilities coordinator), Etienne (intern), Pavel (executive assistant).

#### Q Who took the confidential memo?

1. Ronan's employee badge was revoked two weeks prior; archived access list confirms.
2. Jacinta was at a documented training during the window – verified by VPN session log.
3. Noor was at a documented conference during the window – verified by printer log.
4. Three independent requirements: professional certification, employee badge access, and presence at the secure terminal during the 00:00-02:30 window.
5. Etienne had the qualifications but family was visiting during the window – third-party verified.
6. Tomas stated they left the building at 22:25, but the parking-lot camera shows their admin credentials active at 00:00.
7. Magnus's employee badge was revoked two weeks prior; archived access list confirms.
8. Pavel lacks the required professional certification – confirmed by personnel records.
9. Magnus was seen near the executive suite earlier that evening, but they had left the building by 21:05 and never returned.
- 10 Tomas has all three required qualifications.
- 11 The corporate theft required a specific paint formulation only stocked in the restoration lab.
- 12 A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Tomas.

## Deduction Mysteries

### CASE 03

An ancient scroll was taken from the second-floor gallery of Whitmore Museum between 02:15 and 04:30. The operation required specific qualifications and access. 7 suspects: Eleni (curator), Daphne (janitor), Tarek (art restorer), Selene (tour guide), Olive (gift shop manager), Lior (docent), Idris (archivist).

#### Q Who took the ancient scroll?

1. Idris was at a documented conference during the window – verified by elevator log.
2. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Daphne.
3. Olive's door sensor shows continuous presence in a separate building.
4. Tarek had the qualifications but was on a flight during the window – third-party verified.
5. Daphne has all three required qualifications.
6. Eleni was at a documented training during the window – verified by motion sensor.
7. Three independent requirements: professional training, keycard access, and presence at the second-floor gallery during the 02:15-04:30 window.
8. Selene's keycard was revoked two weeks prior; archived access list confirms.
9. Lior's keycard was revoked two weeks prior; archived access list confirms.
- 10 The theft required a unique encryption signature traceable to internal-only training.
- 11 Selene was seen near the loading dock earlier that evening, but they had left the building by . 20:00 and never returned.
- 12 Daphne stated they left the building at 22:30, but the DHCP server log shows their keycard . active at 02:15.

### CASE 04

A historical photograph was taken from the archive stacks of Helix Heritage Foundation between 01:45 and 03:15. The operation required specific qualifications and access. 7 suspects: Isolde (genealogist), Hattie (conservation specialist), Jian (head archivist), Selene (security officer), Eira (clerk), Florian (records administrator), Caelan (administrator).

#### Q Who took the historical photograph?

1. Jian was seen near the administrator office earlier that evening, but they had left the building by 20:00 and never returned.
2. Jian lacks the required professional expertise – confirmed by personnel records.
3. Selene's camera footage shows continuous presence in a separate building.
4. Eira stated they left the building at 22:35, but the elevator log shows their admin code active at 01:45.
5. Caelan was at a documented conference during the window – verified by witness patron.
6. Florian's reading-room sign-in shows continuous presence in a separate building.
7. Isolde lacks the required professional expertise – confirmed by personnel records.
8. Three independent requirements: professional expertise, archive badge access, and presence at the archive stacks during the 01:45-03:15 window.
9. The theft required a specific paint formulation only stocked in the restoration lab.
- 10 Eira has all three required qualifications.
- 11 A trace at the scene – a specific paint formulation only stocked in the restoration lab – . matches inventory accessible only to Eira.

## Deduction Mysteries

### CASE 05

The prototype specifications were taken from the data center of Helix Corporation between 01:00 and 03:30. The operation required specific qualifications and access. 6 suspects: Tomas (security officer), Zephyr (facilities coordinator), Kenji (executive assistant), Anand (HR director), Tariq (CFO), Anastasia (legal counsel).

#### Q Who took the prototype specifications?

1. The corporate theft required a specific paint formulation only stocked in the restoration lab.
2. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Kenji.
3. Anastasia lacks the required professional certification – confirmed by personnel records.
4. Anand lacks the required professional certification – confirmed by personnel records.
5. Anand was seen near the conference room B earlier that evening, but they had left the building by 21:00 and never returned.
6. Tariq was at a documented conference during the window – verified by witness account.
7. Zephyr's printer log shows continuous presence in a separate building.
8. Three independent requirements: professional certification, employee badge access, and presence at the data center during the 01:00-03:30 window.
9. Tomas's employee badge was revoked two weeks prior; archived access list confirms.
- 10 Kenji has all three required qualifications.
- 11 Kenji stated they left the building at 23:35, but the door sensor history shows their document-

. room code active at 01:00.

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|----------|----------|----------|-----------|----------|--------------|
| A) Tariq | B) Kenji | C) Anand | D) Zephyr | E) Tomas | F) Anastasia |
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### CASE 06

The sealed wills were taken from the storage basement of Northgate Estate Archive between 02:30 and 04:45. The operation required specific qualifications and access. 7 suspects: Helena (intern), Cyrus (conservation specialist), Mateo (records administrator), Daphne (head archivist), Zinnia (genealogist), Bayan (security officer), Arjun (volunteer).

#### Q Who took the sealed wills?

1. Arjun's vault entry record shows continuous presence in a separate building.
2. Daphne has all three required qualifications.
3. Daphne stated they left the building at 23:35, but the parking-lot camera shows their admin code active at 02:30.
4. Cyrus had the qualifications but was on a flight during the window – third-party verified.
5. The theft required a custom-machined tool stocked only in equipment closet B.
6. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Daphne.
7. Helena's witness patron shows continuous presence in a separate building.
8. Helena was seen near the staff break room earlier that evening, but they had left the building by 20:50 and never returned.
9. Bayan had the qualifications but was hospitalized during the window – third-party verified.
- 10 Zinnia's vault key was revoked two weeks prior; archived access list confirms.
- 11 Three independent requirements: professional expertise, vault key access, and presence at the . storage basement during the 02:30-04:45 window.
- 12 Mateo was at a documented conference during the window – verified by vault entry record.

## Answer Key – Deduction Mysteries

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

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### Case 01 F) Juno

- ☐ Three requirements (professional certification, admin token, presence at the engineer pod during the 02:15-04:15 window) plus a technical trace narrow this case.
  - ☐ Yara eliminated by alibi or missing qualification.
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### Case 02 A) Tomas

- ☐ Three requirements (professional certification, employee badge, presence at the secure terminal during the 00:00-02:30 window) plus a technical trace narrow this case.
  - ☐ Noor eliminated by alibi or missing qualification.
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### Case 03 undefined) Daphne

- ☐ Three requirements (professional training, keycard, presence at the second-floor gallery during the 02:15-04:30 window) plus a technical trace narrow this case.
  - ☐ Eleni eliminated by alibi or missing qualification.
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### Case 04 undefined) Eira

- ☐ Three requirements (professional expertise, archive badge, presence at the archive stacks during the 01:45-03:15 window) plus a technical trace narrow this case.
  - ☐ Isolde eliminated by alibi or missing qualification.
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### Case 05 B) Kenji

- ☐ Three requirements (professional certification, employee badge, presence at the data center during the 01:00-03:30 window) plus a technical trace narrow this case.
  - ☐ Tomas eliminated by alibi or missing qualification.
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### Case 06 E) Daphne

- ☐ Three requirements (professional expertise, vault key, presence at the storage basement during the 02:30-04:45 window) plus a technical trace narrow this case.
- ☐ Helena eliminated by alibi or missing qualification.