

## Deduction Mysteries

### CASE 01

A sealed parts shipment was taken from the paint booth of Helix Restoration between 01:45 and 03:45. The operation required specific qualifications and access. 7 suspects: Wilder (customer service rep), Dario (welder), Ronan (quality inspector), Priya (machinist), Katarina (master mechanic), Iolanthe (electrician), Zoltan (painter).

#### Q Who took the sealed parts shipment?

1. Zoltan's parts-room code was revoked two weeks prior; archived access list confirms.
2. Ronan was seen near the employee locker area earlier that evening, but they had left the building by 21:45 and never returned.
3. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Katarina.
4. Iolanthe 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. Katarina has all three required qualifications.
7. Three independent requirements: professional expertise, parts-room code access, and presence at the paint booth during the 01:45–03:45 window.
8. Priya's time-clock log shows continuous presence in a separate building.
9. Wilder had the qualifications but was hospitalized during the window – third-party verified.
- 10 Ronan lacks the required professional expertise – confirmed by personnel records.
- 11 Dario's parts-room code was revoked two weeks prior; archived access list confirms.
- 12 Katarina stated they left the building at 22:05, but the DHCP server log shows their parts-room code active at 01:45.

### CASE 02

A signature dish recipe was taken from the walk-in cooler of Northgate Grill between 00:00 and 02:45. The operation required specific qualifications and access. 7 suspects: Polina (sommelier), Zara (host), Jian (manager), Fariha (sous chef), Xiomara (pastry chef), Hiroshi (line cook), Kerensa (head chef).

#### Q Who took the signature dish recipe?

1. Kerensa had the qualifications but was hospitalized during the window – third-party verified.
2. Hiroshi stated they left the building at 23:55, but the DHCP server log shows their register code active at 00:00.
3. Three independent requirements: professional training, register code access, and presence at the walk-in cooler during the 00:00–02:45 window.
4. Fariha was at a documented conference during the window – verified by witness server.
5. Zara's register code was revoked two weeks prior; archived access list confirms.
6. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Hiroshi.
7. Hiroshi has all three required qualifications.
8. Jian lacks the required professional training – confirmed by personnel records.
9. The theft required a custom-machined tool stocked only in equipment closet B.
- 10 Polina lacks the required professional training – confirmed by personnel records.
- 11 Kerensa was seen near the dishwashing bay earlier that evening, but they had left the building by 20:00 and never returned.
- 12 Xiomara was at a documented conference during the window – verified by witness server.

## Deduction Mysteries

### CASE 03

An original land deed was taken from the administrator office of Northgate Estate Archive between 01:45 and 03:30. The operation required specific qualifications and access. 6 suspects: Indira (genealogist), Ravi (volunteer), Suri (head archivist), Daphne (researcher), Elara (security officer), Finnegan (records administrator).

#### Q Who took the original land deed?

1. Indira has all three required qualifications.
2. Suri was seen near the cataloging room earlier that evening, but they had left the building by 21:25 and never returned.
3. Finnegan's camera footage shows continuous presence in a separate building.
4. Suri lacks the required professional expertise – confirmed by personnel records.
5. Ravi had the qualifications but family was visiting during the window – third-party verified.
6. Daphne had the qualifications but family was visiting during the window – third-party verified.
7. Three independent requirements: professional expertise, archive badge access, and presence at the administrator office during the 01:45-03:30 window.
8. The theft required a custom-machined tool stocked only in equipment closet B.
9. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Indira.
- 10 Indira stated they left the building at 22:50, but the parking-lot camera shows their vault . key active at 01:45.

11 Elara's badge	swipe shows continuous presence	in a separate building.			
A) Daphne	B) Finnegan	C) Suri	D) Indira	E) Ravi	F) Elara

### CASE 04

A signature dish recipe was taken from the staff break room of Helix Kitchen between 02:00 and 04:15. The operation required specific qualifications and access. 6 suspects: Ramona (sommelier), Jules (server), Yvonne (line cook), Tomas (manager), Arjun (dishwasher), Jian (bartender).

#### Q Who took the signature dish recipe?

1. Tomas had the qualifications but family was visiting during the window – third-party verified.
2. Jules lacks the required professional certification – confirmed by personnel records.
3. Three independent requirements: professional certification, master key access, and presence at the staff break room during the 02:00-04:15 window.
4. Yvonne's master key was revoked two weeks prior; archived access list confirms.
5. Jules was seen near the manager's office earlier that evening, but they had left the building by 20:50 and never returned.
6. The theft required a digital certificate issued only to senior staff.
7. Jian has all three required qualifications.
8. Jian stated they left the building at 22:15, but the badge access record shows their manager key active at 02:00.
9. Arjun's witness server shows continuous presence in a separate building.
- 10 A trace at the scene – a digital certificate issued only to senior staff – matches inventory . accessible only to Jian.
- 11 Ramona's witness server shows continuous presence in a separate building.

## Deduction Mysteries

### CASE 05

A sealed wine bottle was taken from the dishwashing bay of Pemberton Tavern between 01:30 and 03:45. The operation required specific qualifications and access. 7 suspects: Gemma (dishwasher), Zara (line cook), Akira (sous chef), Eitan (manager), Vera (server), Ulla (head chef), Phaedra (pastry chef).

#### Q Who took the sealed wine bottle?

1. Eitan was at a documented conference during the window – verified by witness server.
2. Three independent requirements: professional expertise, register code access, and presence at the dishwashing bay during the 01:30-03:45 window.
3. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Vera.
4. Gemma's register code was revoked two weeks prior; archived access list confirms.
5. Phaedra's register code was revoked two weeks prior; archived access list confirms.
6. Akira's kitchen camera shows continuous presence in a separate building.
7. Gemma was seen near the outdoor patio earlier that evening, but they had left the building by 20:55 and never returned.
8. The theft required a stamped seal serial number from a controlled supply closet.
9. Vera has all three required qualifications.
- 10 Ulla lacks the required professional expertise – confirmed by personnel records.
- 11 Vera stated they left the building at 23:35, but the DHCP server log shows their manager key . active at 01:30.
- 12 Zara's register code was revoked two weeks prior; archived access list confirms.

### CASE 06

The tax records were taken from the storage basement of Saint-Clair Historical Society between 03:45 and 05:15. The operation required specific qualifications and access. 7 suspects: Bayan (security officer), Magnus (head archivist), Galina (administrator), Anand (conservation specialist), Joren (intern), Mateo (researcher), Aiko (genealogist).

#### Q Who took the tax records?

1. Three independent requirements: professional certification, research-room pass access, and presence at the storage basement during the 03:45-05:15 window.
2. Anand's research-room pass 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 Mateo.
4. The theft required a stamped seal serial number from a controlled supply closet.
5. Aiko was at a documented training during the window – verified by witness patron.
6. Aiko was seen near the research area earlier that evening, but they had left the building by 21:00 and never returned.
7. Joren had the qualifications but was hospitalized during the window – third-party verified.
8. Mateo stated they left the building at 22:00, but the DHCP server log shows their admin code active at 03:45.
9. Mateo has all three required qualifications.
- 10 Galina lacks the required professional certification – confirmed by personnel records.
- 11 Magnus was at a documented conference during the window – verified by archive log.
- 12 Bayan was at a documented conference during the window – verified by archive log.

## Answer Key – Deduction Mysteries

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

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### Case 01 E) Katarina

- ☒ Three requirements (professional expertise, parts-room code, presence at the paint booth during the 01:45-03:45 window) plus a technical trace narrow this case.
  - ☒ Wilder eliminated by alibi or missing qualification.
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### Case 02 C) Hiroshi

- ☒ Three requirements (professional training, register code, presence at the walk-in cooler during the 00:00-02:45 window) plus a technical trace narrow this case.
  - ☒ Polina eliminated by alibi or missing qualification.
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### Case 03 D) Indira

- ☒ Three requirements (professional expertise, archive badge, presence at the administrator office during the 01:45-03:30 window) plus a technical trace narrow this case.
  - ☒ Ravi eliminated by alibi or missing qualification.
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### Case 04 B) Jian

- ☒ Three requirements (professional certification, master key, presence at the staff break room during the 02:00-04:15 window) plus a technical trace narrow this case.
  - ☒ Ramona eliminated by alibi or missing qualification.
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### Case 05 A) Vera

- ☒ Three requirements (professional expertise, register code, presence at the dishwashing bay during the 01:30-03:45 window) plus a technical trace narrow this case.
  - ☒ Gemma eliminated by alibi or missing qualification.
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### Case 06 A) Mateo

- ☒ Three requirements (professional certification, research-room pass, presence at the storage basement during the 03:45-05:15 window) plus a technical trace narrow this case.
- ☒ Bayan eliminated by alibi or missing qualification.