

Deduction Mysteries

CASE 01

A signed manuscript was taken from the climate-controlled vault of Aldworth Collection between 00:15 and 02:15. The operation required specific qualifications and access. 7 suspects: Cosima (tour guide), Simeon (art restorer), Zinnia (docent), Kasper (archivist), Bao (night security), Lior (security guard), Eleni (gift shop manager).

Q Who took the signed manuscript?

1. Zinnia's security badge was revoked two weeks prior; archived access list confirms.
2. Eleni had the qualifications but was on a flight during the window – third-party verified.
3. Cosima stated they left the building at 23:30, but the DHCP server log shows their vault combination active at 00:15.
4. Cosima has all three required qualifications.
5. Kasper had the qualifications but was hospitalized during the window – third-party verified.
6. Lior's elevator log shows continuous presence in a separate building.
7. Three independent requirements: professional training, security badge access, and presence at the climate-controlled vault during the 00:15-02:15 window.
8. Simeon was at a documented hospital appointment during the window – verified by witness testimony.
9. Bao's door sensor shows continuous presence in a separate building.
- 10 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches . inventory accessible only to Cosima.
- 11 Lior was seen near the loading dock earlier that evening, but they had left the building by . 21:50 and never returned.

CASE 02

A head chef's knife set was taken from the pastry station of Helix Kitchen between 02:30 and 04:15. The operation required specific qualifications and access. 6 suspects: Akira (sous chef), Galina (dishwasher), Arjun (manager), Lucia (line cook), Quentin (sommelier), Eleni (head chef).

Q Who took the head chef's knife set?

1. Akira lacks the required professional training – confirmed by personnel records.
2. Eleni stated they left the building at 22:10, but the DHCP server log shows their register code active at 02:30.
3. Arjun lacks the required professional training – confirmed by personnel records.
4. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Eleni.
5. Galina's cellar key was revoked two weeks prior; archived access list confirms.
6. Eleni has all three required qualifications.
7. Lucia's cellar key was revoked two weeks prior; archived access list confirms.
8. Three independent requirements: professional training, cellar key access, and presence at the pastry station during the 02:30-04:15 window.
9. Lucia was seen near the dining floor earlier that evening, but they had left the building by 20:05 and never returned.
- 10 Quentin's POS log shows continuous presence in a separate building.
- 11 The theft required a stamped seal serial number from a controlled supply closet.

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CASE 03

A musical score was taken from the catwalk of The Aldermarsh Theatre between 00:45 and 02:15. The operation required specific qualifications and access. 6 suspects: Ginevra (lighting tech), Zephyr (stagehand), Talia (director), Sami (stage manager), Bjorn (box-office manager), Esme (prop master).

Q Who took the musical score?

1. Bjorn's stage door camera shows continuous presence in a separate building.
2. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Zephyr.
3. Three independent requirements: professional training, director's key access, and presence at the catwalk during the 00:45-02:15 window.
4. Zephyr stated they left the building at 23:25, but the badge access record shows their prop-room code active at 00:45.
5. Zephyr has all three required qualifications.
6. Esme had the qualifications but was on a flight during the window – third-party verified.
7. Bjorn was seen near the green room earlier that evening, but they had left the building by 21:15 and never returned.
8. Ginevra's stage door camera shows continuous presence in a separate building.
9. Sami had the qualifications but family was visiting during the window – third-party verified.
- 10 The theft required a unique encryption signature traceable to internal-only training.

11 Talia had the qualifications but family was visiting during the window – third-party verified.
 A) Bjorn B) Esme C) Talia D) Sami E) Zephyr F) Ginevra

CASE 04

A sports trophy was taken from the locker room of Aldermarsh High between 02:00 and 04:00. The operation required specific qualifications and access. 6 suspects: Zoltan (principal), Aiko (coach), Zara (librarian), Wren (student council president), Leander (janitor), Alejandro (school counselor).

Q Who took the sports trophy?

1. The theft required a custom-machined tool stocked only in equipment closet B.
2. Zara's printer log shows continuous presence in a separate building.
3. Aiko stated they left the building at 23:00, but the DHCP server log shows their keypad code active at 02:00.
4. Aiko has all three required qualifications.
5. Three independent requirements: professional training, master key access, and presence at the locker room during the 02:00-04:00 window.
6. Zoltan was at a documented conference during the window – verified by printer log.
7. Alejandro's master key was revoked two weeks prior; archived access list confirms.
8. Leander was at a documented training during the window – verified by hallway camera.
9. Wren lacks the required professional training – confirmed by personnel records.
- 10 Zara was seen near the faculty lounge earlier that evening, but they had left the building by 21:40 and never returned.
- 11 A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Aiko.

Deduction Mysteries

CASE 05

The production funds were taken from the backstage left of Helix Repertory between 01:30 and 03:00. The operation required specific qualifications and access. 7 suspects: Katarina (lighting tech), Lucia (stagehand), Yusuf (lead actor), Dimah (prop master), Ezra (costume designer), Dimitri (box-office manager), Hiroshi (director).

Q Who took the production funds?

1. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Ezra.
2. Three independent requirements: professional expertise, director's key access, and presence at the backstage left during the 01:30-03:00 window.
3. Ezra stated they left the building at 22:00, but the DHCP server log shows their director's key active at 01:30.
4. Dimitri was seen near the prop storage earlier that evening, but they had left the building by 21:30 and never returned.
5. Hiroshi's director's key was revoked two weeks prior; archived access list confirms.
6. Ezra has all three required qualifications.
7. Dimah was at a documented training during the window – verified by props inventory log.
8. Dimitri had the qualifications but was hospitalized during the window – third-party verified.
9. Yusuf lacks the required professional expertise – confirmed by personnel records.
- 10 Katarina's director's key was revoked two weeks prior; archived access list confirms.
- 11 Lucia's director's key was revoked two weeks prior; archived access list confirms.
- 12 The theft required a custom-machined tool stocked only in equipment closet B.

CASE 06

A restricted donor file was taken from the staff break room of Saint-Clair Historical Society between 02:00 and 04:00. The operation required specific qualifications and access. 7 suspects: Wilder (genealogist), Ezra (clerk), Joren (head archivist), Sigrid (administrator), Oren (conservation specialist), Eitan (records administrator), Fenella (researcher).

Q Who took the restricted donor file?

1. The theft required a custom-machined tool stocked only in equipment closet B.
2. Fenella was at a documented conference during the window – verified by badge swipe.
3. Joren lacks the required professional certification – confirmed by personnel records.
4. Sigrid has all three required qualifications.
5. Oren lacks the required professional certification – confirmed by personnel records.
6. Eitan was seen near the research area earlier that evening, but they had left the building by 21:50 and never returned.
7. Eitan's camera footage shows continuous presence in a separate building.
8. Ezra had the qualifications but family was visiting 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 Sigrid.
- 10 Sigrid stated they left the building at 23:00, but the badge access record shows their admin . code active at 02:00.
- 11 Wilder had the qualifications but was on a flight during the window – third-party verified.
- 12 Three independent requirements: professional certification, archive badge access, and presence . at the staff break room during the 02:00-04:00 window.

Answer Key – Deduction Mysteries

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

Case 01 **undefined**) Cosima

- ☒ Three requirements (professional training, security badge, presence at the climate-controlled vault during the 00:15-02:15 window) plus a technical trace narrow this case.
 - ☒ Simeon eliminated by alibi or missing qualification.
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Case 02 **A**) Eleni

- ☒ Three requirements (professional training, cellar key, presence at the pastry station during the 02:30-04:15 window) plus a technical trace narrow this case.
 - ☒ Akira eliminated by alibi or missing qualification.
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Case 03 **E**) Zephyr

- ☒ Three requirements (professional training, director's key, presence at the catwalk during the 00:45-02:15 window) plus a technical trace narrow this case.
 - ☒ Ginevra eliminated by alibi or missing qualification.
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Case 04 **A**) Aiko

- ☒ Three requirements (professional training, master key, presence at the locker room during the 02:00-04:00 window) plus a technical trace narrow this case.
 - ☒ Zoltan eliminated by alibi or missing qualification.
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Case 05 **A**) Ezra

- ☒ Three requirements (professional expertise, director's key, presence at the backstage left during the 01:30-03:00 window) plus a technical trace narrow this case.
 - ☒ Katarina eliminated by alibi or missing qualification.
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Case 06 **C**) Sigrid

- ☒ Three requirements (professional certification, archive badge, presence at the staff break room during the 02:00-04:00 window) plus a technical trace narrow this case.
- ☒ Wilder eliminated by alibi or missing qualification.