

Deduction Mysteries

CASE 01

A source code repository was extracted from the war room of Meridian Data between 00:15 and 02:30. The operation required specific qualifications and access. 6 suspects: Aurora (data scientist), Kalisa (contractor), Cosima (DevOps lead), Klaus (site-reliability engineer), Penelope (senior engineer), Priya (support lead).

Q Who extracted the source code repository?

1. Priya had the qualifications but was hospitalized during the window – third-party verified.
2. Penelope has all three required qualifications.
3. The data theft required a specific paint formulation only stocked in the restoration lab.
4. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Penelope.
5. Three independent requirements: professional certification, admin token access, and presence at the war room during the 00:15-02:30 window.
6. Cosima's admin token was revoked two weeks prior; archived access list confirms.
7. Klaus's witness colleague shows continuous presence in a separate building.
8. Kalisa was at a documented training during the window – verified by CCTV camera.
9. Aurora's SSH authentication log shows continuous presence in a separate building.
- 10 Penelope stated they left the building at 22:40, but the network authentication record shows their VPN credentials active at 00:15.
- 11 Kalisa was seen near the server farm earlier that evening, but they had left the building by

. 20:55 and never returned.					
A) Cosima	B) Priya	C) Kalisa	D) Penelope	E) Klaus	F) Aurora

CASE 02

A rare ingredient was taken from the outdoor patio of Northgate Grill between 02:00 and 04:45. The operation required specific qualifications and access. 6 suspects: Ishaan (bartender), Quentin (manager), Diallo (sommelier), Etienne (head chef), Hattie (sous chef), Darya (dishwasher).

Q Who took the rare ingredient?

1. Hattie had the qualifications but family was visiting during the window – third-party verified.
2. Darya has all three required qualifications.
3. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Darya.
4. The theft required a digital certificate issued only to senior staff.
5. Ishaan was seen near the wine cellar earlier that evening, but they had left the building by 21:35 and never returned.
6. Quentin's manager key was revoked two weeks prior; archived access list confirms.
7. Ishaan's manager key was revoked two weeks prior; archived access list confirms.
8. Darya stated they left the building at 23:45, but the door sensor history shows their master key active at 02:00.
9. Three independent requirements: professional certification, manager key access, and presence at the outdoor patio during the 02:00-04:45 window.
- 10 Etienne had the qualifications but was on a flight during the window – third-party verified.
- 11 Diallo had the qualifications but family was visiting during the window – third-party verified.

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CASE 03

A lead actor's costume was taken from the box office of Northgate Stage between 00:15 and 02:15. The operation required specific qualifications and access. 6 suspects: Bao (musical director), Mei (understudy), Anand (lighting tech), Tatum (stagehand), Rosalind (prop master), Lior (stage manager).

Q Who took the lead actor's costume?

1. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Rosalind.
2. Rosalind stated they left the building at 23:40, but the badge access record shows their box-office key active at 00:15.
3. Mei was seen near the catwalk earlier that evening, but they had left the building by 20:15 and never returned.
4. The theft required a custom-machined tool stocked only in equipment closet B.
5. Tatum lacks the required professional expertise – confirmed by personnel records.
6. Rosalind has all three required qualifications.
7. Bao's props inventory log shows continuous presence in a separate building.
8. Three independent requirements: professional expertise, director's key access, and presence at the box office during the 00:15-02:15 window.
9. Mei was at a documented training during the window – verified by props inventory log.
- 10 Anand's director's key was revoked two weeks prior; archived access list confirms.

11 Lior's witness crew member shows continuous presence in a separate building.

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| A) Anand | B) Mei | C) Bao | D) Tatum | E) Rosalind | F) Lior |
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CASE 04

A test specimen was swapped from the glove box of Solstice Research between 01:45 and 03:00. The operation required specific qualifications and access. 7 suspects: Magnus (operations manager), Beatrix (clinical coordinator), Indira (principal investigator), Jian (graduate student), Kasper (postdoctoral researcher), Renata (equipment manager), Katarina (lab technician).

Q Who swapped the test specimen?

1. Beatrix's lab badge was revoked two weeks prior; archived access list confirms.
2. Jian's freezer access log shows continuous presence in a separate building.
3. Katarina had the qualifications but was hospitalized during the window – third-party verified.
4. A trace at the scene – a digital certificate issued only to senior staff – matches inventory accessible only to Kasper.
5. Three independent requirements: professional training, lab badge access, and presence at the glove box during the 01:45-03:00 window.
6. Beatrix was seen near the prep bench earlier that evening, but they had left the building by 21:10 and never returned.
7. Kasper has all three required qualifications.
8. Magnus had the qualifications but was on a flight during the window – third-party verified.
9. Indira was at a documented conference during the window – verified by freezer access log.
- 10 Kasper stated they left the building at 23:05, but the door sensor history shows their freezer key active at 01:45.
- 11 The sample tampering required a digital certificate issued only to senior staff.

Deduction Mysteries

CASE 05

A tournament prize money was taken from the locker room of Aldermarsh Arena between 00:45 and 02:45. The operation required specific qualifications and access. 6 suspects: Amelia (team captain), Gemma (athletic trainer), Mateo (rookie player), Eleni (assistant coach), Mei (referee), Cosima (equipment manager).

Q Who took the tournament prize money?

1. Eleni's locker code was revoked two weeks prior; archived access list confirms.
2. Gemma was seen near the training facility earlier that evening, but they had left the building by 20:55 and never returned.
3. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Mateo.
4. Mei's locker code was revoked two weeks prior; archived access list confirms.
5. Mateo has all three required qualifications.
6. Three independent requirements: professional training, locker code access, and presence at the locker room during the 00:45-02:45 window.
7. The theft required a specific paint formulation only stocked in the restoration lab.
8. Amelia lacks the required professional training – confirmed by personnel records.
9. Gemma's facility camera shows continuous presence in a separate building.
- 10 Cosima lacks the required professional training – confirmed by personnel records.
- 11 Mateo stated they left the building at 23:35, but the badge access record shows their team key

. active at 00:45.

A) Mei	B) Cosima	C) Gemma	D) Mateo	E) Eleni	F) Amelia
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CASE 06

A signed binary release was extracted from the engineer pod of Meridian Data between 03:45 and 05:15. The operation required specific qualifications and access. 6 suspects: Ulla (support lead), Caelan (senior engineer), Penelope (contractor), Zoltan (security analyst), Cassia (intern), Wren (data scientist).

Q Who extracted the signed binary release?

1. Zoltan stated they left the building at 23:50, but the door sensor history shows their VPN credentials active at 03:45.
2. Ulla's CCTV camera shows continuous presence in a separate building.
3. Penelope was at a documented conference during the window – verified by SSH authentication log.
4. Caelan's badge was revoked two weeks prior; archived access list confirms.
5. Zoltan has all three required qualifications.
6. The data theft required a digital certificate issued only to senior staff.
7. Cassia had the qualifications but was on a flight during the window – third-party verified.
8. Three independent requirements: professional expertise, badge access, and presence at the engineer pod during the 03:45-05:15 window.
9. Wren was seen near the engineer pod earlier that evening, but they had left the building by 20:15 and never returned.
- 10 Wren's witness colleague shows continuous presence in a separate building.
- 11 A trace at the scene – a digital certificate issued only to senior staff – matches inventory . accessible only to Zoltan.

Answer Key – Deduction Mysteries

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

Case 01 D) Penelope

- ☒ Three requirements (professional certification, admin token, presence at the war room during the 00:15-02:30 window) plus a technical trace narrow this case.
 - ☒ Aurora eliminated by alibi or missing qualification.
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Case 02 E) Darya

- ☒ Three requirements (professional certification, manager key, presence at the outdoor patio during the 02:00-04:45 window) plus a technical trace narrow this case.
 - ☒ Ishaan eliminated by alibi or missing qualification.
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Case 03 E) Rosalind

- ☒ Three requirements (professional expertise, director's key, presence at the box office during the 00:15-02:15 window) plus a technical trace narrow this case.
 - ☒ Bao eliminated by alibi or missing qualification.
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Case 04 C) Kasper

- ☒ Three requirements (professional training, lab badge, presence at the glove box during the 01:45-03:00 window) plus a technical trace narrow this case.
 - ☒ Magnus eliminated by alibi or missing qualification.
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Case 05 D) Mateo

- ☒ Three requirements (professional training, locker code, presence at the locker room during the 00:45-02:45 window) plus a technical trace narrow this case.
 - ☒ Amelia eliminated by alibi or missing qualification.
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Case 06 D) Zoltan

- ☒ Three requirements (professional expertise, badge, presence at the engineer pod during the 03:45-05:15 window) plus a technical trace narrow this case.
- ☒ Ulla eliminated by alibi or missing qualification.