SOLUTION

The Penthouse Party

Fatima was the only person alone with **Vũ — Spa**. The killer is unmasked.



1. Clue: “Aleksei was beside a plant.” So Aleksei can only be in 11 cells; cross out the 67 that don't fit.
2. Clue: “Blair was beside a lamp.” So Blair can only be in 7 cells; cross out the 71 that don't fit.
3. Clue: “Chen was the only person lying on a bed.” So Chen can only be in 4 cells; cross out the 74 that don't fit.
4. Clue: “Dmitri was beside a lamp.” So Dmitri can only be in 7 cells; cross out the 71 that don't fit.
5. Clue: “Enrique was in the restaurant.” So Enrique can only be in 5 cells; cross out the 73 that don't fit.
6. Clue: “Enrique was beside a plant.” So Enrique can only be in 2 cells; cross out the 3 that don't fit.
7. Clue: “Greta was not in Room 101.” So Greta can only be in 72 cells; cross out the 6 that don't fit.
8. Clue: “Harper was beside a chair.” So Harper can only be in 3 cells; cross out the 75 that don't fit.
9. Clue: “Isaac was beside a stove.” So Isaac can only be in 2 cells; cross out the 76 that don't fit.
10. Chen was the only person lying on a bed, so nobody else can be on a bed: cross out those cells for everyone else.
11. Aleksei was south of Dmitri. Compare where each of them can still be and cross out the cells that would break this.
12. Fatima was west of Blair. Compare where each of them can still be and cross out the cells that would break this.
13. Between them, Enrique and Isaac can only be in rows 5 and 6. They will fill those rows, so nobody else can be there.
14. Between them, Enrique and Harper can only be in columns 9 and 10. They will fill those columns, so nobody else can be there.
15. Aleksei was south of Dmitri. Compare where each of them can still be and cross out the cells that would break this.
16. Fatima was west of Blair. Compare where each of them can still be and cross out the cells that would break this.
17. Columns 4 and 8 can only be filled by Greta and Vũ. So they must be in those columns — cross out their other cells.
18. Column 7 needs exactly one person, and only Chen can still go there. So Chen must be in column 7 — cross out Chen's other cells.
19. Chen has only one possible cell left: row 10, column 7. Place Chen there and cross out the rest of that row and column.
20. Column 6 needs exactly one person, and only Isaac can still go there. So Isaac must be in column 6 — cross out Isaac's other cells.
21. Isaac has only one possible cell left: row 5, column 6. Place Isaac there and cross out the rest of that row and column.
22. Enrique has only one possible cell left: row 6, column 9. Place Enrique there and cross out the rest of that row and column.
23. Harper has only one possible cell left: row 2, column 10. Place Harper there and cross out the rest of that row and column.
24. Column 5 needs exactly one person, and only Aleksei can still go there. So Aleksei must be in column 5 — cross out Aleksei's other cells.
25. Aleksei has only one possible cell left: row 8, column 5. Place Aleksei there and cross out the rest of that row and column.
26. Column 1 needs exactly one person, and only Fatima can still go there. So Fatima must be in column 1 — cross out Fatima's other cells.
27. All of Dmitri's possible cells are in row 7, so Dmitri takes that line. Nobody else can be in row 7.
28. Blair has only one possible cell left: row 9, column 3. Place Blair there and cross out the rest of that row and column.
29. Dmitri has only one possible cell left: row 7, column 2. Place Dmitri there and cross out the rest of that row and column.
30. The victim's room held exactly two people, but nobody else could be in Room 101. So Vũ wasn't there.
31. In column 8, only one cell (row 3, column 8) can still hold anyone. Someone must stand there, so nobody else can be in row 3.
32. Suppose Vũ stood at row 3, column 8. Following the clues from there, Vũ would have nowhere to stand. That's impossible, so Vũ isn't there.
33. Row 3 needs exactly one person, and only Greta can still go there. So Greta must be in row 3 — cross out Greta's other cells.
34. Greta has only one possible cell left: row 3, column 8. Place Greta there and cross out the rest of that row and column.
35. Vũ is in the spa and needs exactly one companion. Only Fatima can still get there, so Fatima must be in the spa.
36. Fatima has only one possible cell left: row 1, column 1. Place Fatima there and cross out the rest of that row and column.
37. Vũ has only one possible cell left: row 4, column 4. Place Vũ there and cross out the rest of that row and column.
38. The only other person in Vũ's room was Fatima. Fatima is the murderer!