Staff trial · complete opening mission

The free trial covers a private staff rehearsal. Guest events, including paid events, require the full venue kit.

Print and sort

Print pages 3–5 for a single pair, at actual size and single-sided. Keep page 6 at the host station. Page 2 introduces the mission.

Set up and start

Set out one envelope per round and pair. Give each player one private sheet and place the shared sheet between them. Read the opening line below. At odd headcount, have a staff member take the second role at one table, or ask two players to share a role and alternate speaking.

Restore the space station without lighting the wrong circuits.

Which lamp can change twice and end up where it started?

Guide all tables

First, run the opening with a colleague. Measure setup, first agreed move, hints requested and finish. If the explanation stalls, use the first prompt below and rehearse the handoff again.

Reset

Return the role sheets, replace written-on shared sheets and restock pencils. Keep the later rounds and solutions off the tables until you need them.

Play the opening

Restore the space station without lighting the wrong circuits.

Take one role each and keep that sheet private. Talk freely. Use the shared page to record your decision. Print at actual size, single-sided. Bring two pencils. Put the hint and answer page aside.

AI-assisted text and illustration. Private staff rehearsal only.

Case 1 · Role A

Each switch flips the listed lamps. A lit lamp goes dark; a dark lamp lights up. When two switches affect the same lamp, they cancel each other there. Use each switch at most once.

A	↔ A · B
B	↔ B · C
C	↔ C
D	↔ A · D

Case 1 · Role B

Start with lamps D lit and all others dark. End with only A, C, D lit. Throw exactly 2 different switches.

Case 1 · Shared worksheet

Circle the switches you would throw. Mark the lit lamps after each throw. Order does not matter.

1	A B C D
2	A B C D

Case 1 · Hint and solution

Try

Look for lamps that must stay unchanged. They must be flipped either zero times or twice.

Answer

D | A → ABD | B → ACD