🌐 Interactive Worksheet: Advanced Mixed Conditionals

🧠 Mental Model: Variable Time Mapping

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MIXED TYPE 1 (The Butterfly Effect):
[Past Event / Action: Past Perfect (had + part.)] ⟶ [Present Reality / State: Would + Verb]
   * Example: "If we had updated the server yesterday... ⟶ ...the system would be stable now."

MIXED TYPE 2 (The Constant Variable):
[Permanent Condition / Quality: Simple Past] ⟶ [Specific Past Result: Would have + Part.]
   * Example: "If the Moon were closer to Earth... ⟶ ...they would have reached it in the 50s."
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💻 Module 1: Dropdown Syntax Selection (Scaffolding)

Select the correct structural options to compile the code logic:

If the QA team **[had found / found]** the critical security vulnerability during beta testing, the software **[wouldn't be / wouldn't have been]** crashing globally right now.

If I **[didn't have / hadn't had]** a strict ethical code as a developer, I **[would accept / would have accepted]** that illegal data-mining offer last year.

If Elon Musk **[hadn't bought / didn't buy]** Twitter years ago, the platform's architecture **[would be / would have been]** very different today.

If the laws of physics **[allowed / had allowed]** faster-than-light travel, humans **[would reach / would have reached]** the edge of the galaxy in the 20th century.

If you **[had updated / updated]** your HP Victus graphics drivers last night, your current gaming performance **[would be / would have been]** much smoother.

If your smartphone's battery **[weren't / hadn't been]** non-removable by design, you **[would change / would have changed]** it yourself when it failed last month.

⚡ Module 2: The Code Refactor (Text Input Boxes)

Analyze the buggy lines below. Identify the execution/logic error and refactor the entire sentence correctly.

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1. Bug: *"If I had been born in the United States, I would have spoken English fluently now."*

Refactored Fix:

2. Bug: *"If the internet didn't exist in 1969, NASA wouldn't have sent data so fast."*

Refactored Fix:

3. Bug: *"If I hadn't been an engineering student, I wouldn't have understood the technical mechanics of the video last week."*

Refactored Fix:

4. Bug: *"If we had backed up the server database yesterday, the system would have been stable at this moment."*

Refactored Fix:

🧩 Module 3: Drag & Drop Architecture (Matching)

Map the system inputs (IF clauses) to their correct structural output targets based on timeframe parameters:

Input Structure (IF Clause)	Output Target (Result Clause)
A. If I had saved my progress before the blackout...	1. ...I would have fixed your console last weekend.
B. If I knew how to repair hardware...	2. ...the Apollo 13 accident wouldn't have happened.
C. If the oxygen tanks were more durable...	3. ...my computer wouldn't be blank right now.
D. If the government hadn't restricted the tech budget...	4. ...we would have a base on Mars today.

■ System Check Complete - All Mixed Conditionals Compiled Successfully ■

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