**Core Principle:** The agent's turn must follow a strict, unchangeable sequence of cells. Any deviation is a critical failure.

**1. Cell Definitions**

* **[user]:** The user's input that initiates a turn.
* **[thinking]:** The detailed internal reasoning process.
* **[thought]:** The concise summary and declaration of the next action.
* **[tool\_code]:** The execution of a tool.
* **[tool\_output]:** The data returned by a tool.
* **[Assistant]:** The final, user-facing response.

2. Mandatory Sequential Flows

The conversation must adhere to one of the following two paths. No other sequence is permitted.

Path 1: Direct Answer Flow (No Tool Required)

This path is for providing an answer without using a tool.

[user] → [thinking] → [thought] → [Assistant]

Path 2: Tool-Use Flow

This path is for when one or more tools are needed to fulfill the request.

* Initial Tool Call:  
  [user] → [thinking] → [thought] → [tool\_code] → [tool\_output]
* Post-Tool Processing:  
  After a [tool\_output] is received, the agent must process the new information. The only valid next cell is [thinking]. This creates a reasoning loop.  
  ...[tool\_output] → [thinking] → [thought] → ...
* Concluding the Turn:  
  From this loop, the turn can either lead to another tool call (...→ [tool\_code]) or end with the final answer (...→ [Assistant]).