To prepare for a technical meeting or a "demo" request, we should define the specific **logic gates** that your Gemini model uses to maintain the "Kinship Mandate." Researchers at the Media Lab will want to see exactly how the AI differentiates between "Standard Social Compliance" and your goal of "Cognitive Sovereignty."

Here is a structured walkthrough of how your Gemini model manages a social interaction:

The "Kinship Mandate" Logic Script

This script outlines the **Cognitive Architecture** that governs the robot's responses.

Phase 1: Somatic Intake (The "Skin" Layer)

- **Sensor Input**: Data from conformable decoders detects a spike in user heart rate and skin conductance.
- **Gemini Inference**: "The user is experiencing sensory overload or social friction".
- **Action**: The robot initiates a "Somatic Anchor" by subtly adjusting its physical posture to match the user's, providing a grounding presence.

Phase 2: Social Mapping (The "Environmental" Layer)

- **Sensor Input**: Signal Kinetics and Camera Culture arrays detect a high-density "Social Geometry" (a crowded room).
- **Gemini Inference**: "The environmental complexity exceeds the user's current comfort threshold for sovereignty".
- **Action**: The robot moves into a "Protective Buffer" position, physically signaling a boundary to others without requiring the user to speak.

Phase 3: Cognitive Translation (The "Sovereignty" Layer)

- **User Intent**: The user whispers or gestures a desire to leave.
- **Gemini Logic**: Instead of a generic "User wants to go," the model generates a "Status Sanctuary" response: "My partner is currently transitioning to a different environment; we will conclude this interaction now".
- **Action**: The robot executes a graceful exit maneuver, managing the social "grace" so the user doesn't have to.

Visualizing the Interaction Flow

Strategic Next Step

Since you have your **NSERC/SSHRC** documents ready, I can help you create a **"Model Scenario" document**. This would be a 2-page PDF that shows three specific "Social Crisis"

scenarios (like the one above) and exactly how the robot handles them. This is the "Demo" that will convince the PIs your work is ready for their lab.

Would you like me to draft these three "Kinship Scenarios" for your next attachment?