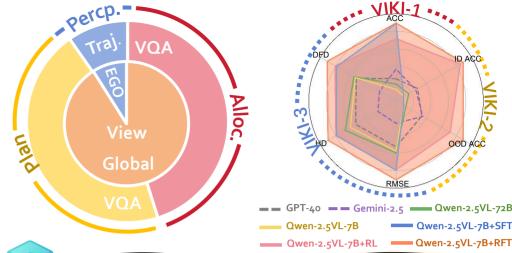


Mom: Hey bots, could you wash the apple and tomato on the table for me?



<u>Dad</u>: And *fetch* my favorite *mug* from the *cabinet above the microwave*, okay?





L1: Agent Activation

and the humanoid can i task execution.</think> task completion.</think> </answer>



L2: Task Planning

<think>In the scene, we ! <think>To fetch the mug in! <think> To accomplish the have two armed robots for the high cabinet, the task, two arms and one item transportation, a wheeled robot must follow humanoid coordinate to wheeled one for reaching \(\frac{1}{4} \) a logical sequence: First, it \(\frac{1}{4} \) transport the apple. The higher places, and a ! should move to the cabinet. ! first arm locates and grasps humanoid. The task i Next, ... to complete the the apple, then moves involves...the wheeled can task. This structured along a collision-free reach the high cabinet, ! sequence ensures precise | path ... It then places the operate the tap...efficient i < a n s w e r > T h e a c t i o n i humanoid activates the tap, sequence should be as ensuring the task <answer>One humanoid, ! follows: <move, cabinet>, ! completion. </think> one wheeled, two arms i < open, cabinet>, < reach, i < answer> [Feasible should be activated. mug>, <grasp, mug>, trajectories for each <move, table></answer>

L₃: Trajectory Perception

apple into the sink. The agent]</answer>

