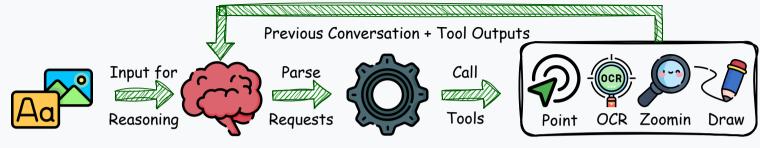
Vision Tool Deployment & Inference



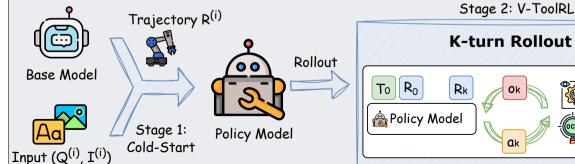
User Request (Query + Image)

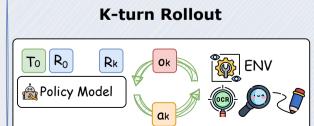
LVLM Backbone (e.g., Gemini, Qwen-vl)

Tool Controller

Vision Tool Services (Deployed Independently)

Training Process: V-ToolRL for Adaptive Tool Usage









Final Model