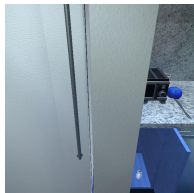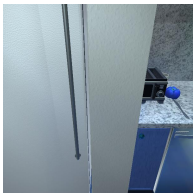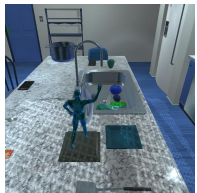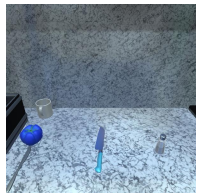**Failed trajectory:** Put two peppershakers in the drawer

Find and put peppershaker 1, look for peppershaker 2 everywhere, saw peppershaker 2 but exhausted permitted steps
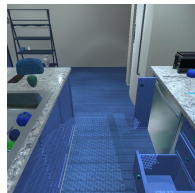
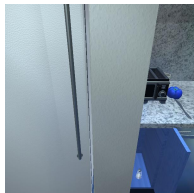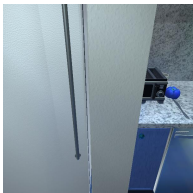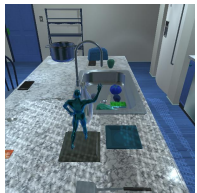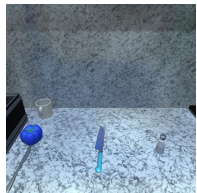Look for peppershaker 1 everywhere — Take peppershaker 1 — Put peppershaker 1 in drawer 1 — Look for peppershaker 2 — FAIL Exhausted steps

Reasoning-Reflection: General reflection with fixed intensity, still failed

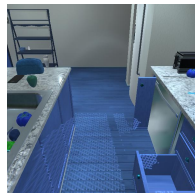Invalid reflection, does not retain experience, and incorrectly defines the core error
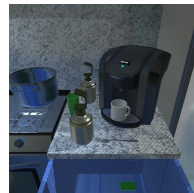
Still Look for peppershaker 1 everywhere — Take peppershaker 1 — Put peppershaker 1 in drawer 1 — Hallucination, go to cabinet 2 for peppershaker 2 — FAIL
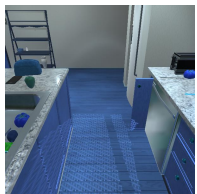
Our FCRF: Flexible, efficient reflection constructing valuable experience and failure lessons

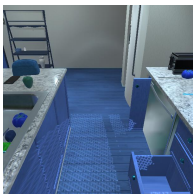Simple reflection, retain valuable experience to save steps

Targeted in-depth reflection, precisely correct specific error
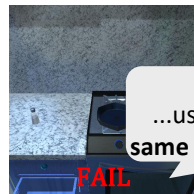
Directly go for peppershaker 1 — Put peppershaker 1 in drawer 1 — Directly go for peppershaker 2 — Put peppershaker 2 in drawer 2 FAIL — Put peppershaker 2 in drawer 1 SUCCESS

Lesson Pool: ...usually put things in the same designated container...