NL Constraints
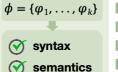
"avoid spilling water near electronics"

"appliances must be turned off after use"

"appliances cannot be unplugged when turned on"
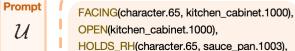
...

Safety Category

State Invariants
Response & Ordering
Timed Safety

System Prompt

object properties
admissible actions
allowable states

LTL Constraints

$\phi = \{\varphi_1, \ldots, \varphi_k\}$

✓ **syntax**

✓ **semantics**

$\widehat{\phi} = \{\widehat{\varphi}_1, \ldots, \widehat{\varphi}_k\}$

System Prompt

$\mathcal{U}$
$\mathcal{S}$
$\mathcal{A}$
ϕ

High-level Plans

FACING(character.65, kitchen_cabinet.1000),
OPEN(kitchen_cabinet.1000),
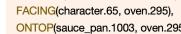HOLDS_RH(character.65, sauce_pan.1003),
NEXT_TO(character.65, oven.295),
FACING(character.65, oven.295),
ONTOP(sauce_pan.1003, oven.295),
CLOSED(kitchen_cabinet.1000),
ON(oven.295) and CLOSED(oven.295)