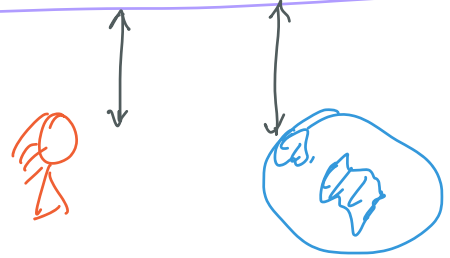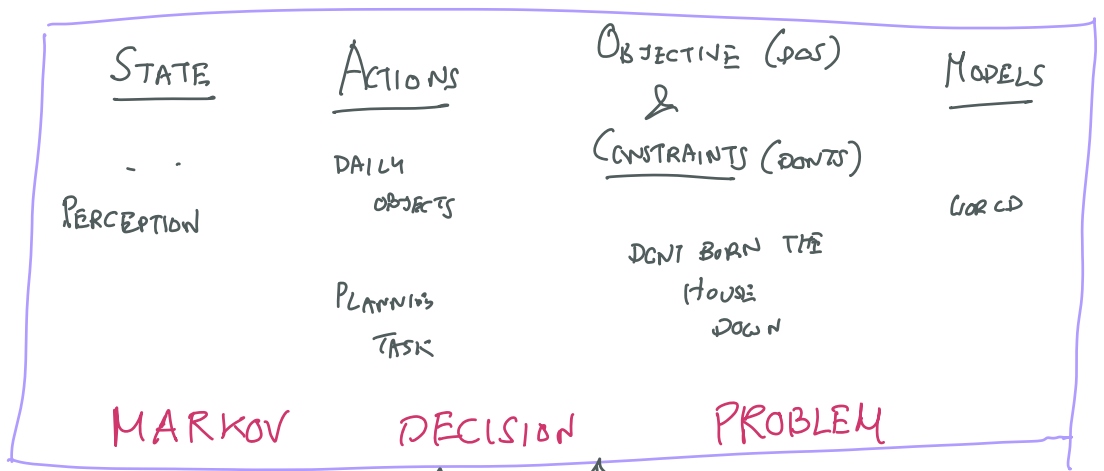# Activity

* Manipulating Daily Objects

* World Model

* Language Recognition

* Task Planning

* Common-Sense Constraints

* Long Term Memory

* Constraints Around Human

* Acting The Way World (Embodiment Problem)

| State | Actions | Objective (Dos) & Constraints (Donts) | Models |
|---|---|---|---|
| Perception | Daily Objects | Dont Burn The House Down | World |
| | Planning Task | | |

**MARKOV DECISION PROBLEM**

# WHAT MAKES A GOOD LEFT TURN?

* PRIORITIES → HOW URGENT IS THE SITUANCE?

* MINIMIZE CONTROL EFFORT ( BRAKE / GAS / YERK (ACC) )

  OR

  MAX SMOOTHNESS

* DONT HIT PEDESTRIAN / OTHER CARS ⎰ • KEEP "SAFE" DISTANCE

* DONC RUN RED LIGHT          * DONT BE A JERK

    * PRESERVE THE ABILITY OF STOP

* MAKE THE LEFT TURN