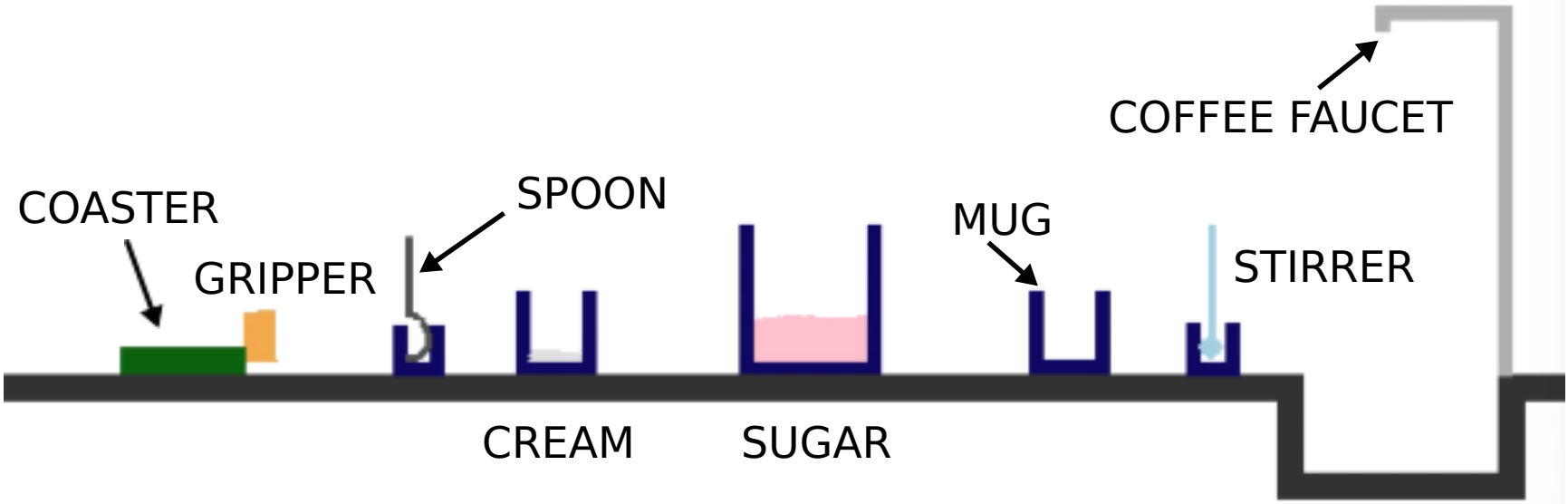
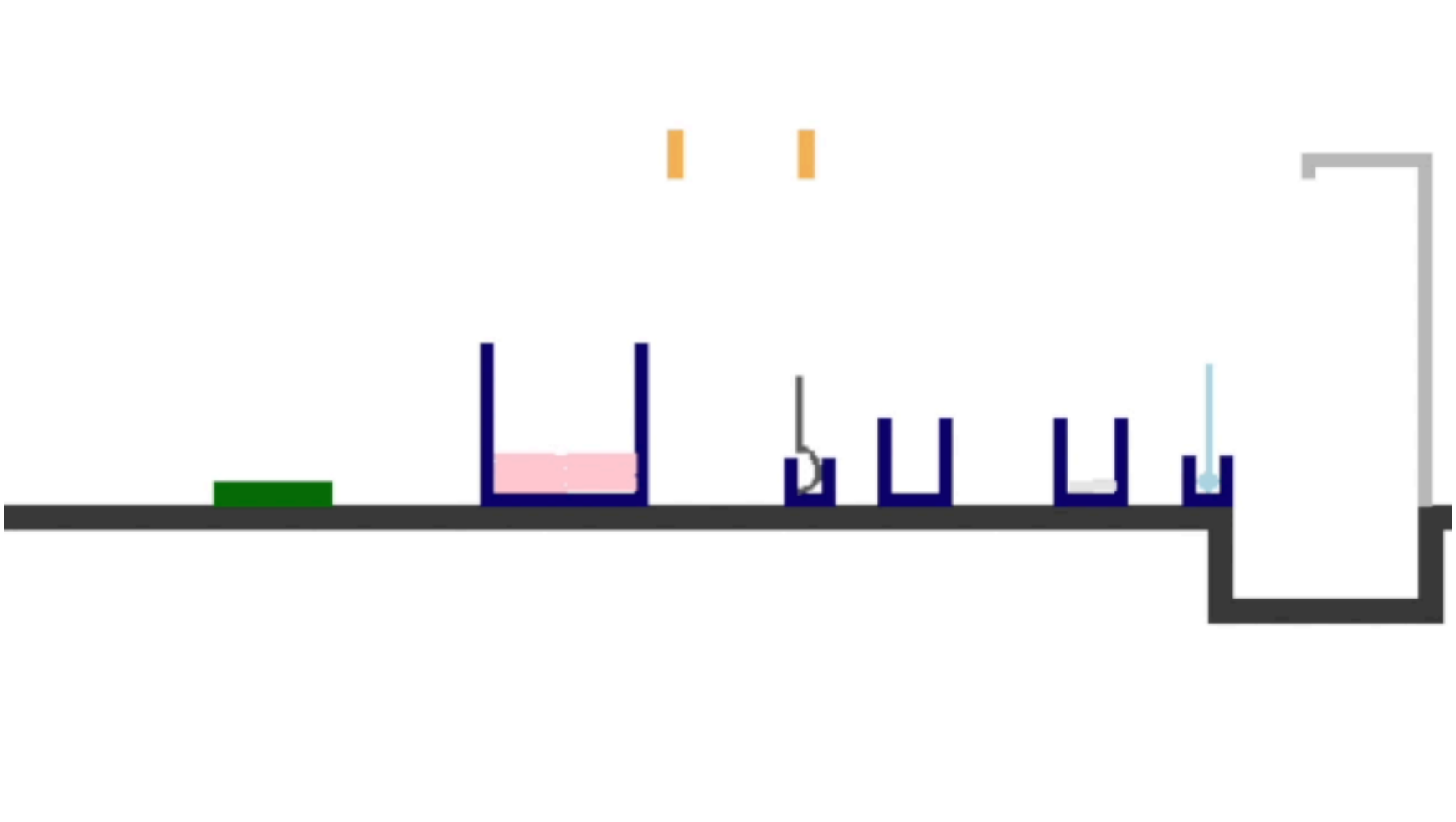

COFFEE FAUCET
COASTER
SPOON
MUG
GRIPPER
STIRRER
CREAM
SUGAR

- Pre-existing operators
  - dispense coffee
  - pick up, place object
  - move robot
  - stir
  - dump spoon
- Learned operators
  - push
  - pour
  - scoop

Flexible integration with TAMP



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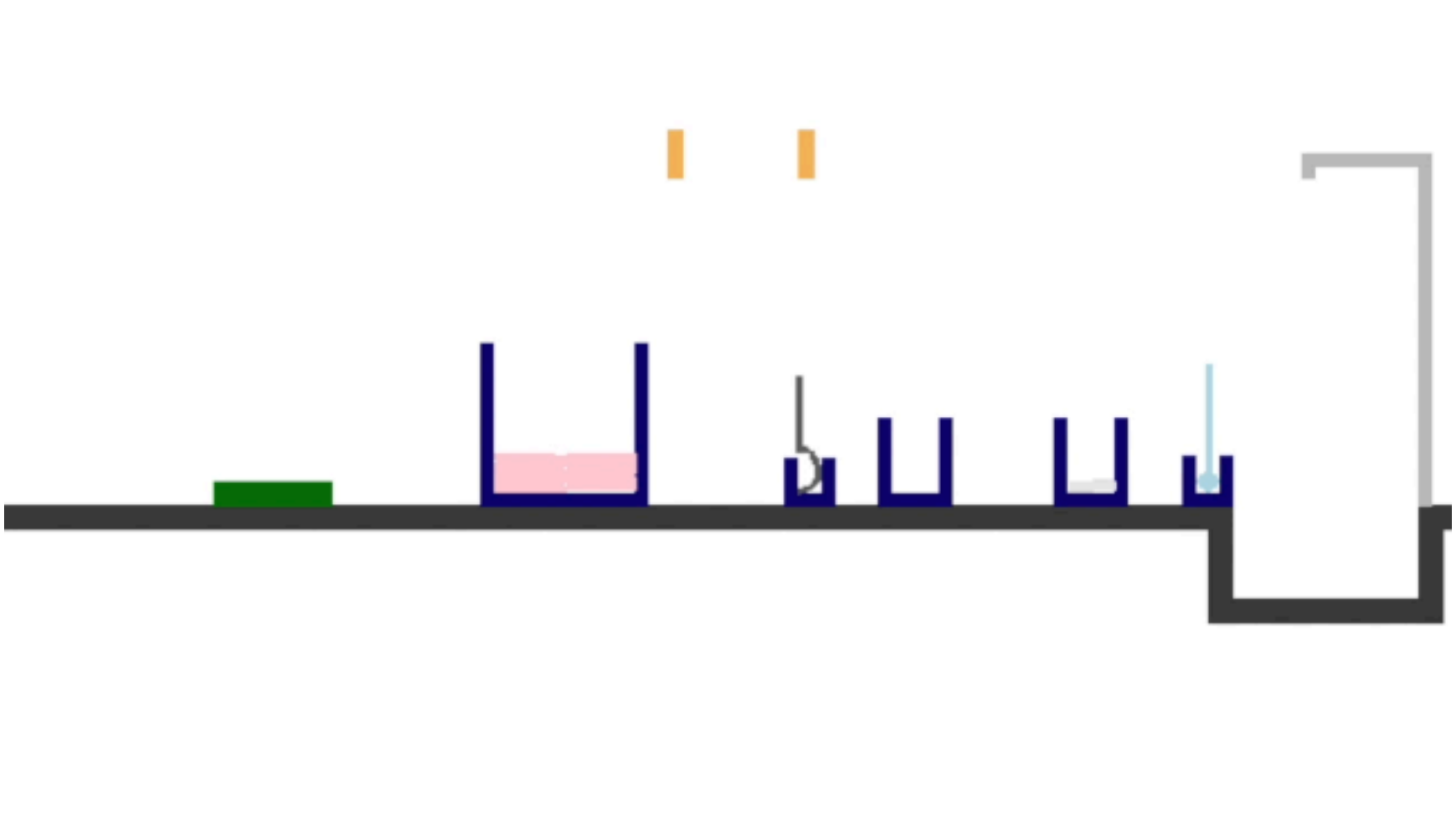
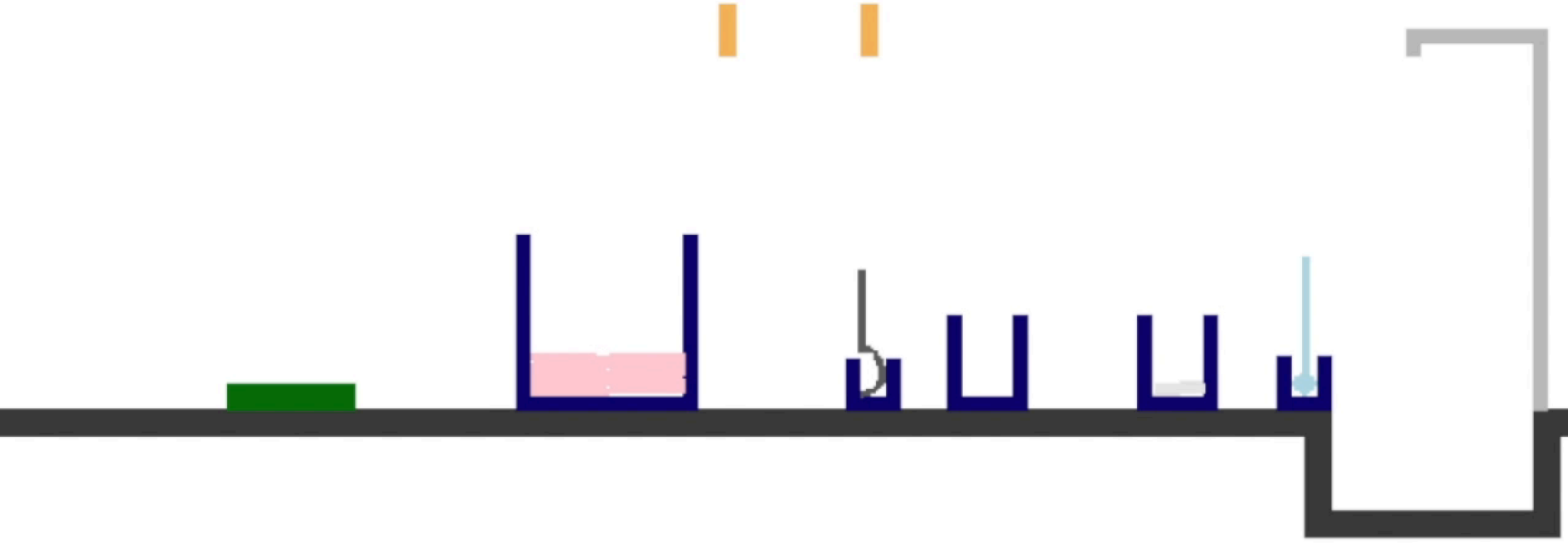
Zi Wang (MIT CSAIL)

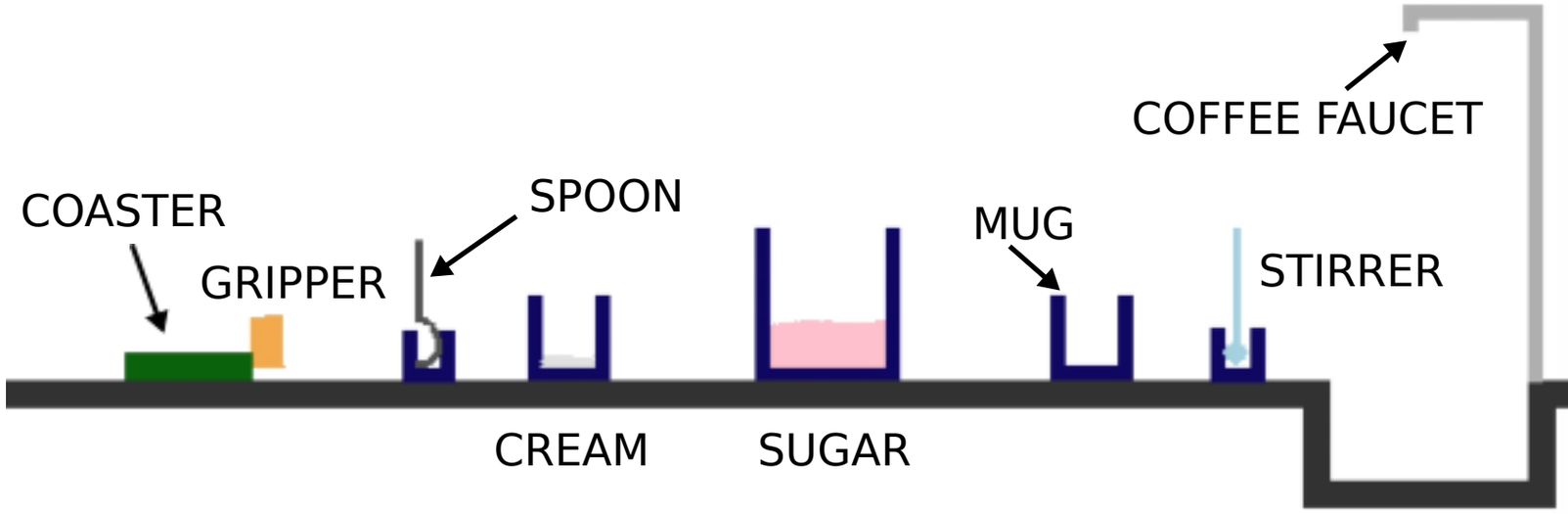
Robot Learning

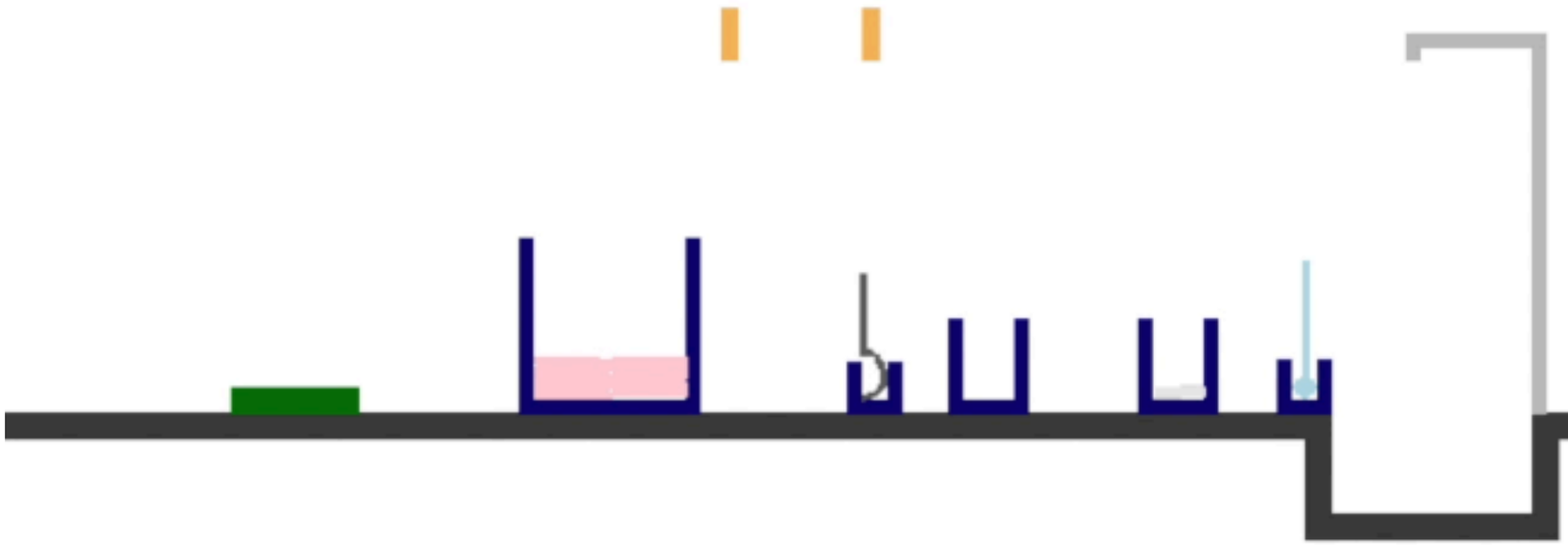


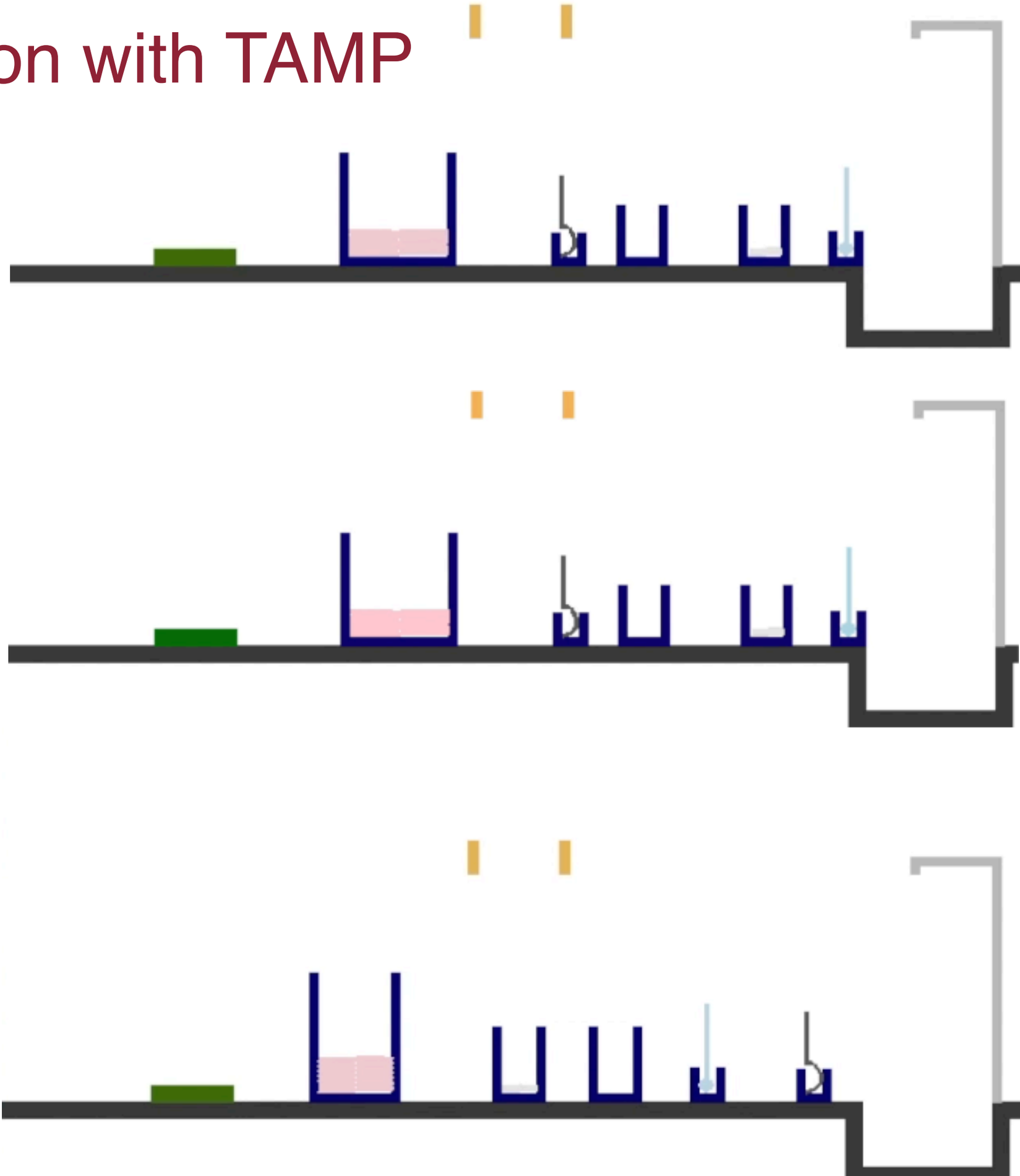


Flexible integration with TAMP

- Pre-existing operators
  dispense coffee
  pick up, place object
  move robot
  stir
  dump spoon
- Learned operators
  push
  pour
  scoop





Flexible integration with TAMP

- Generalize over different layout of objects
- Generalize over different shapes of objects
- Resulting plans can be different when solving the same problem