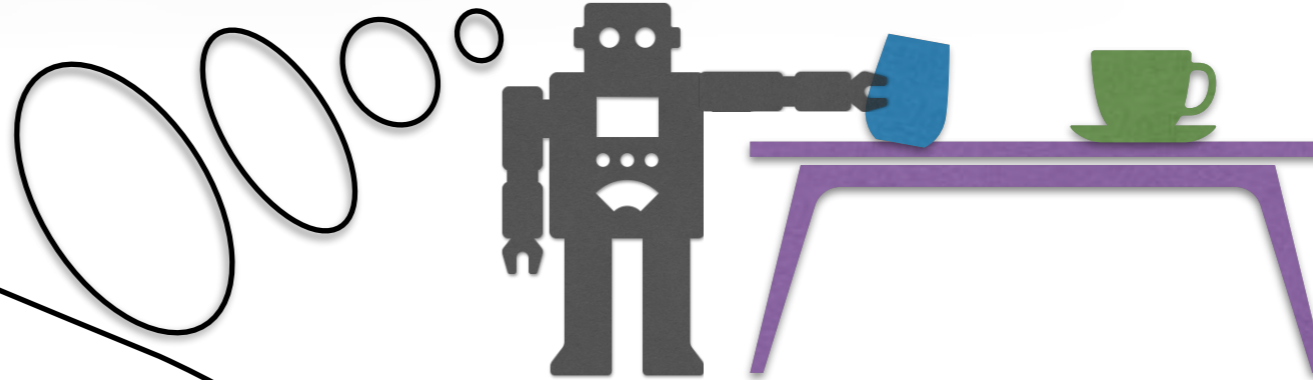
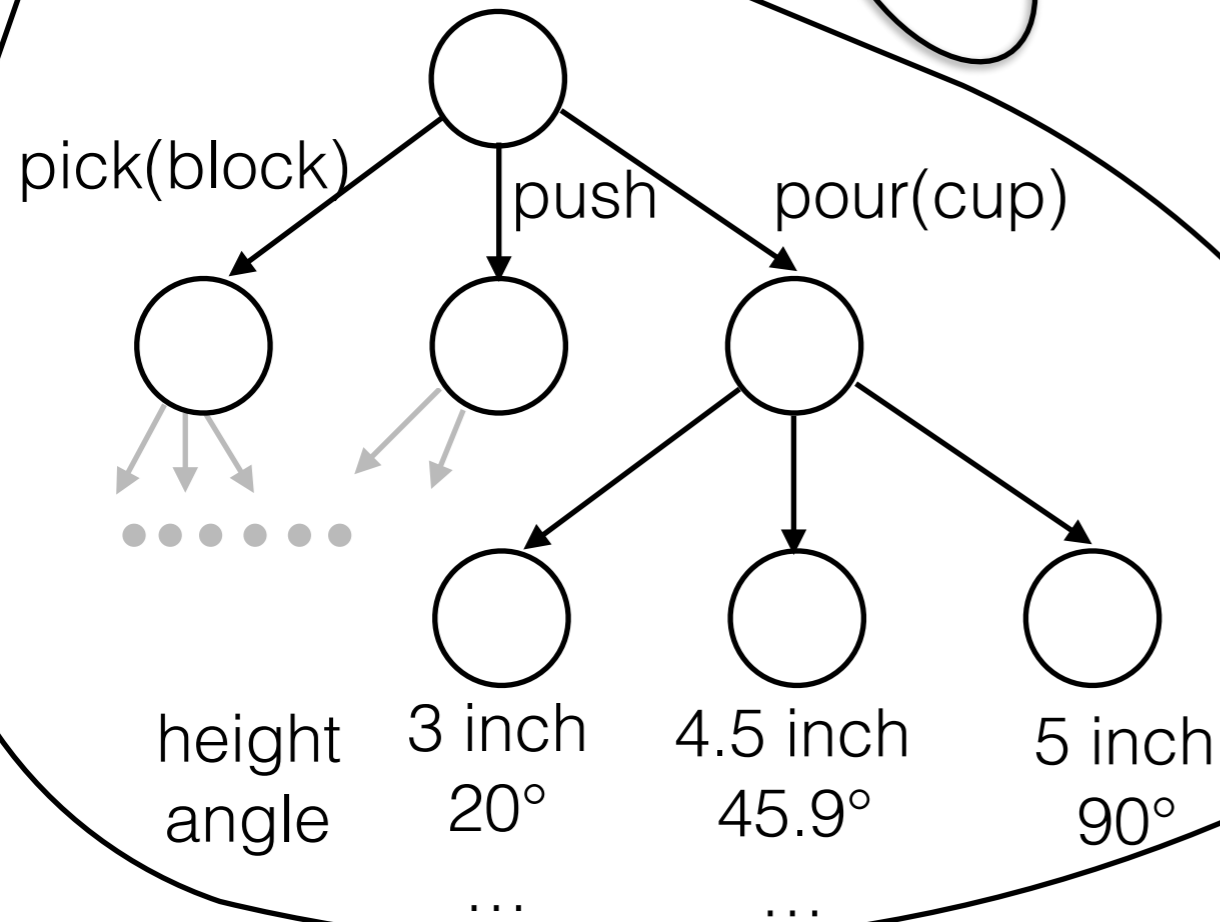


A typical task and motion planner



current state



Key subroutines

- Sample continuous action parameters
- Tree search on both discrete and continuous variables

Challenges in TAMP

- how to acquire new low-level motor skills?

[Levin et al., ISER 2016] [Schenck et al., CoRL 2017] [OpenAI, 2018] [Ebert et al., CoRL 2017].....

most
robot
learning



```
def skill(parameters):  
    execute policy  
    until termination
```

gripper preshape, objects, object shapes, etc

How to use them?