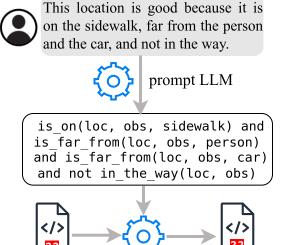
a) Synapse Learning Concept Library Update Natural Language Physical Explanation Demonstration Sketch Synthesis Demonstration Neuro-symbolic Parameter Synthesis

b) Sketch Synthesis



d) Synapse Inference

Program



c) Parameter Synthesis

Old Sketch

```
def dropoff(loc, obs):
   if is_on(loc, obs, sidewalk, ??) and ...
   return True
   elif ...

def dropoff(loc, obs):
   if is_on(loc, obs, sidewalk, 1.5) and ...
   return True
   elif ...
```

New Sketch