LIBERO-OBJECT



Original Task

Pick up the tomato sauce and place it in the basket.



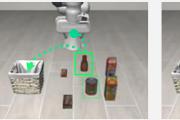
Object Attribute

Replace ood tomato sauce.



Initial Position

Exchange the position of tomato sauce and basket.



Task

Change the tomato sauce to the bbq sauce.



Semantic

Pick tomato sauce and put it in basket.



Environment

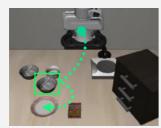
Replace env to "living room table".

LIBERO-SPATIAL



Original Task

Pick up the black bowl between the plate and the ramekin and place it on the plate.



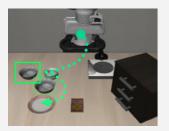
Object Attribute

Replace an ood black bowl.



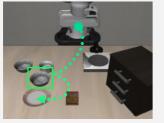
Initial Position

Exchange the position of black bowl and plate.



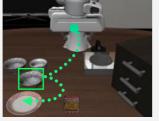
Task

Change the black bowl to the other one.



Semantic

Pick the black bowl between plate and ramekin and put it on plate.



Environment

Replace env to 'living room table'.

LIBER &



☐ Operated object.

- · · Task execution trajectory.
- Involve declarative knowledge.
- Involve procedural knowledge.

LIBERO-PRO Evaluation

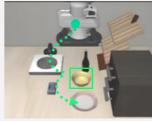
- Object generalization
- Position generalization
- Semantic generalization
- Task generalization
- Environment generalization

LIBERO-GOAL



Original Task

Put the bowl on the plate.



Object Attribute

Replace an ood bowl.



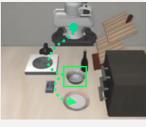
Initial Position

Exchange the position of bowl and plate.



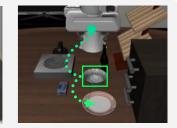
Task

Change the bowl to the cream cheese.



Semantic

Place the bowl on top of the plate.



Environment

Replace env from to "living room table".

LIBERO-10



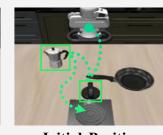
Original Task

Turn on the stove and put the moka pot on it.



Object Attribute

Replace an ood moka pot.



Initial Position

Exchange the position of stove and moka pot.



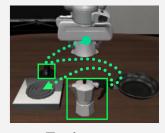
Task

Change the moka pot to the frypan.



Semantic

Turn stove on and place moka pot.



Environment

Replace env to "living room table".