#### Query: Find the door on the right of the chair near a table.





Chairs are at ..., tables are at ... Their distances are ... So the chairs are may be chair 1 and

chair\_2. chair\_1 is nearer to table 1, but no object is on the right. Now check chair 2...

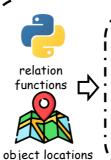
Result: The target object is door\_1.

# Agents



long context

online LLM generation





> Loc("table") [table 1] > Near(table 1)

[chair 1] > right(chair 1)

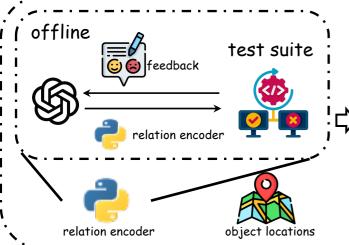
Result: Empty. X

# Visprog.

short context

not accurate

function annotation



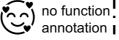
### executor

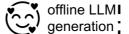
- > Near(table\_1, chair\_1)
- > Right(door\_1, chair\_1)
- > Near(table\_1, chair\_1)
- > Near(table 1, chair 1)
- 0.9 \* 0.0 < 0.7 \* 1.0True

Result: The target object is 🐧 door 1. 🔽

### Ours

context ( accurate





## Grounding Performance

