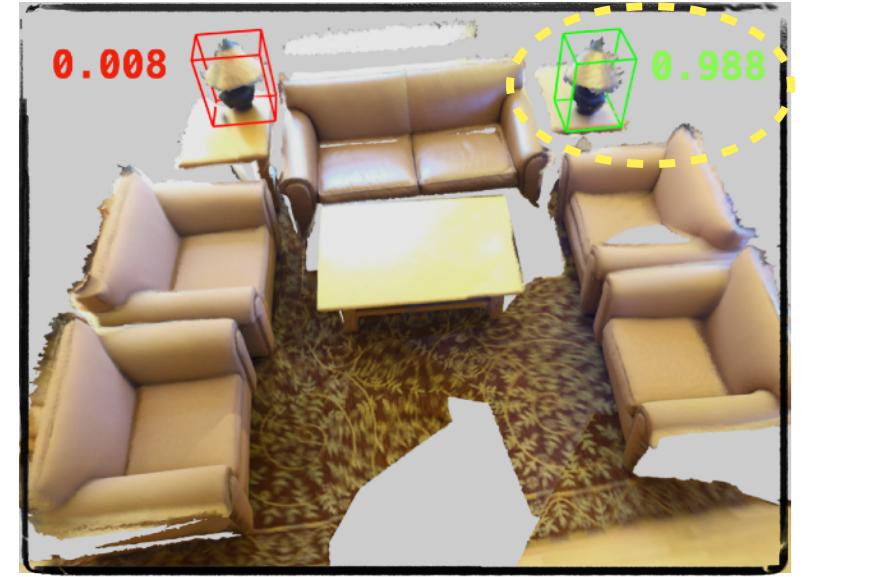


Spatial Reference in 3D (Sr3D)



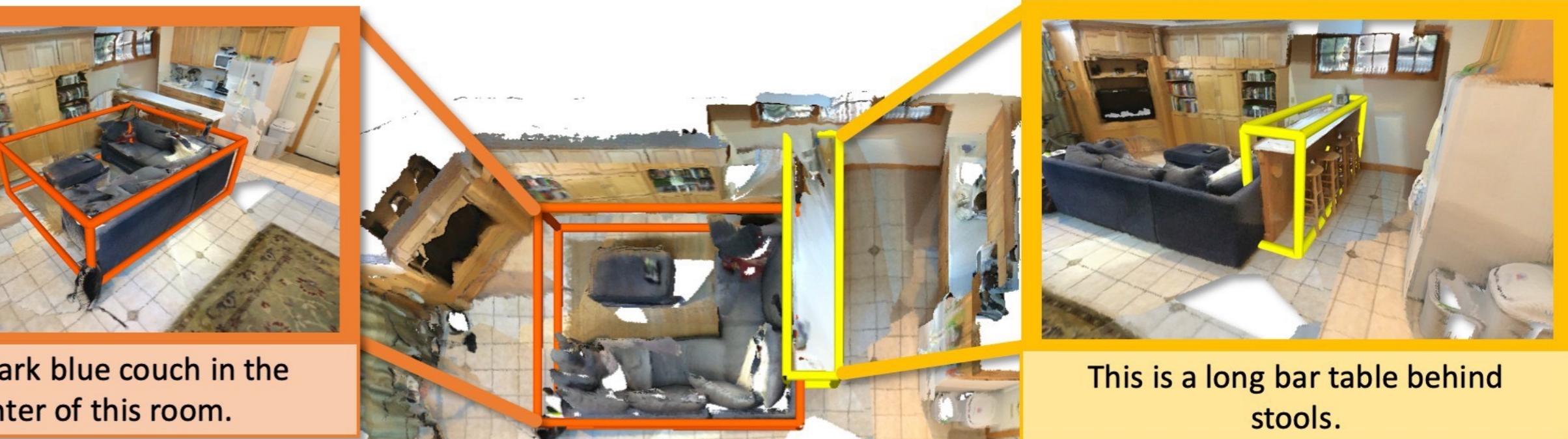
"Facing the couch from the side you sit on it, choose the **lamp** that is on the **right side**."



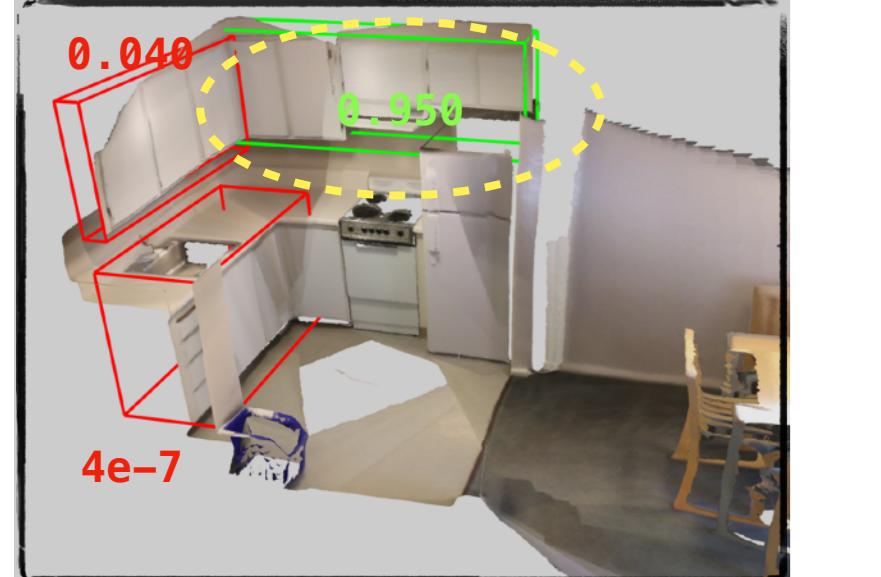
"Select the **desk** that is **farthest** from the door"



"The **nightstand** that is **between** the bed and the curtain."



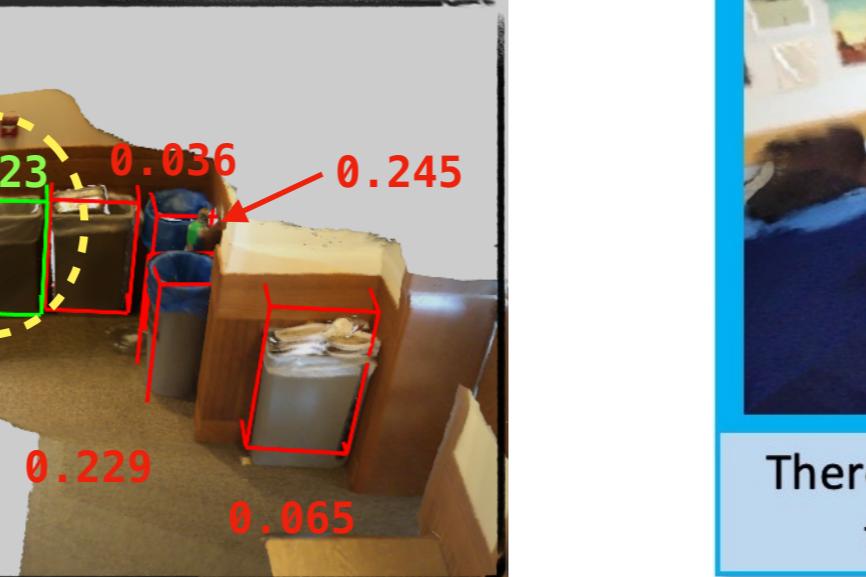
Natural Reference in 3D (Nr3D)



"The **large cabinets** **directly** above the fridge and oven."



"Choose the **door** next to the **blue** wall with **clouds**."



"When standing in the middle of the room facing the **trash cans**, the correct one is on the **far left**."

- █ Target
- █ Same-class Distractor

ReferIt3D
Fine-grained Identification Track

○ ReferIt3DNet
baseline predictions
with confidences

ScanRefer
Object Localization Track