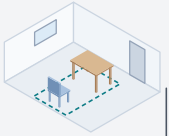
1 Formulate checks



submitted scene

VLM screening

scene-specific checks

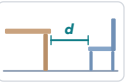
Physical validity
collision · out-of-bounds · support

Visual coherence
scale · style · pairing

Human-use logic
placement · function

2 Inspect & judge

evidence per check



views

measurements

gap d · angle θ

Is the evidence sufficient?

judge

yes

verdict

no

requested view

camera selector
renders new views

3 Score & diagnose

verdicts judge · geometry

- collision · chair × table — valid
- support · table — valid
- scale · chair — valid
- function · chair × table — invalid

scores metric → room → scene

Physical	
Visual	
Human-use	
Overall	

diagnosis (object-level)

target	chair × table
check	joint use: front gap
verdict	invalid: gap d too large
evidence	new view + measured d