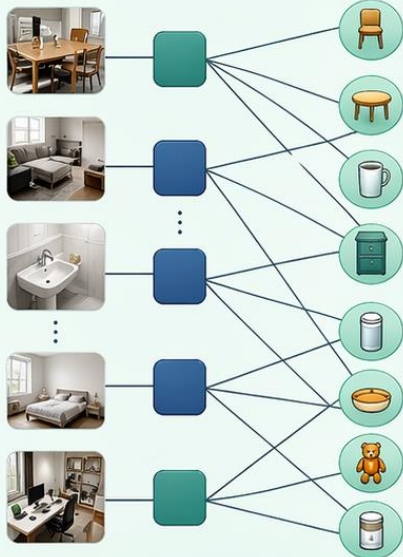




Task Instruction $\mathcal{T}$



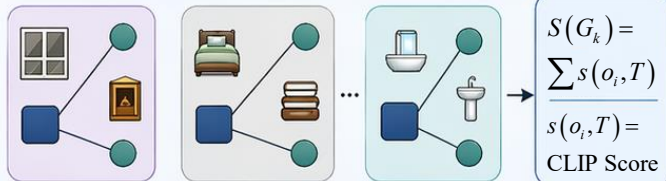
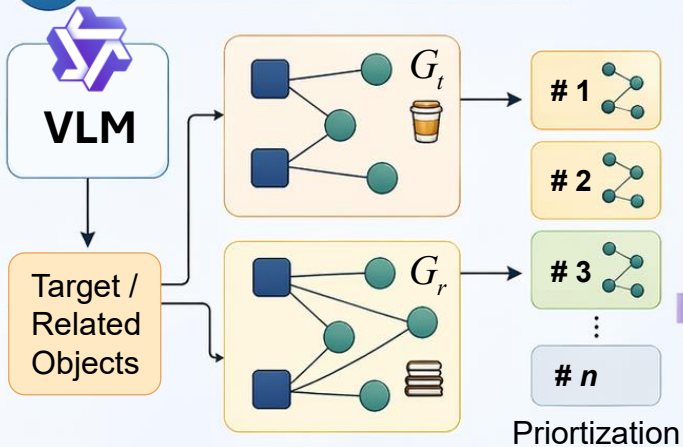
Visual anchor



Object node



Subgraph Decomposition



Remaining Subgraph G_k



Reasoning Thread



VLM



****Assess subgraph sufficiency for task $\mathcal{T}$; if sufficient, select the optimal visual anchor and the object.****



Visibility



Bbox



Justification



Asynchronous