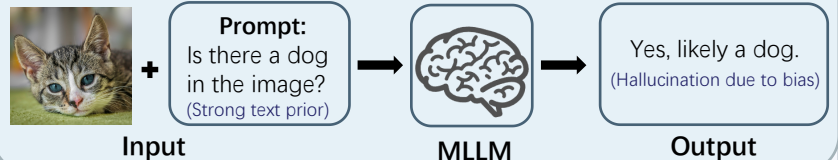
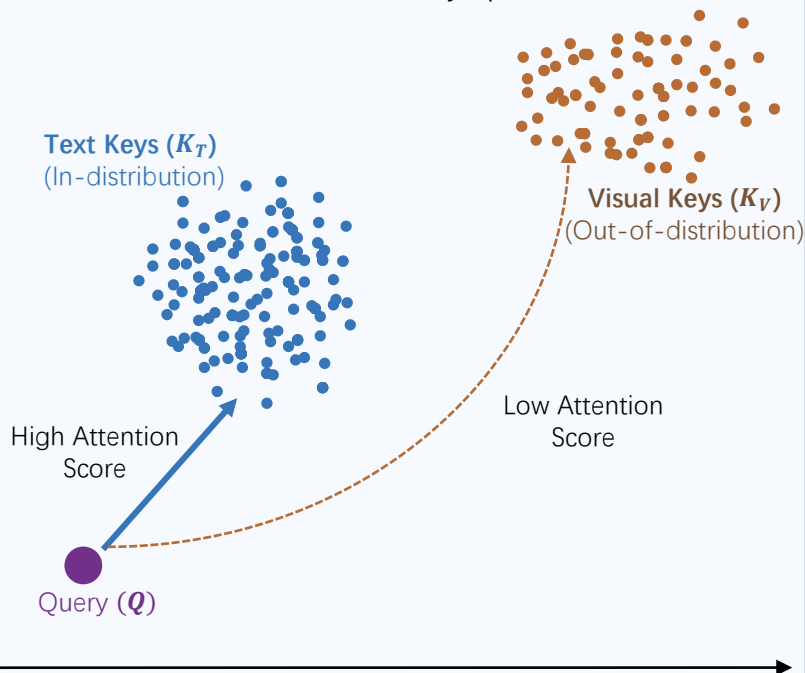


(a) Text-Centric Bias from Key Distribution Mismatch

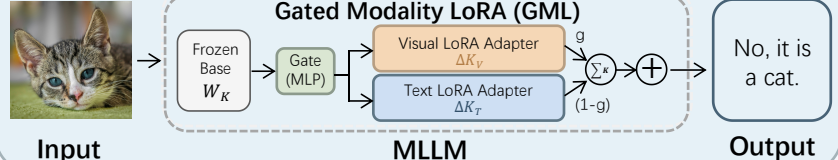


Self-Attention Key Space

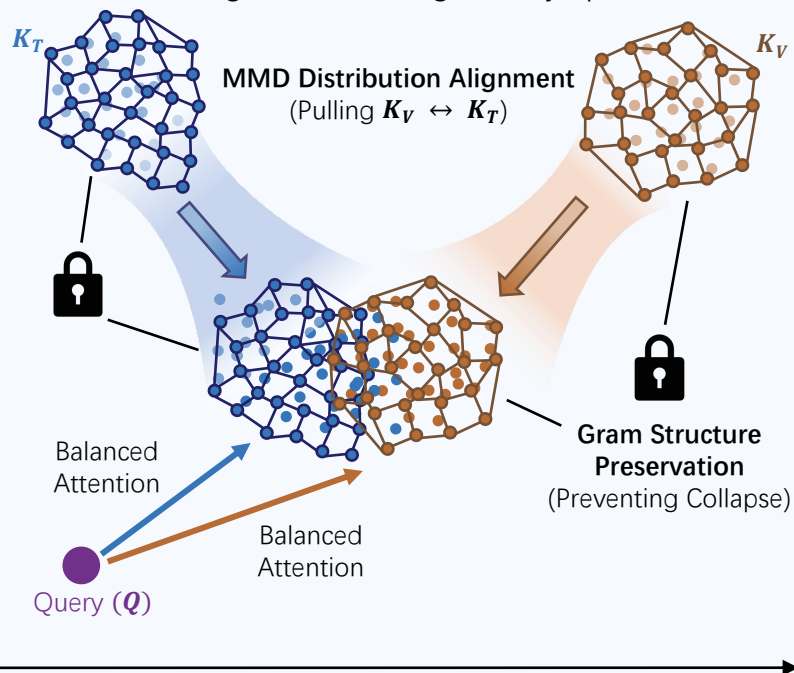


Query prefers matching with familiar text keys, ignoring OOD visual keys.

(b) MaLoRA (Ours): Alignment & Structure Preservation



Training Process & Aligned Key Space



Aligned distributions enable balanced attention to visual keys.