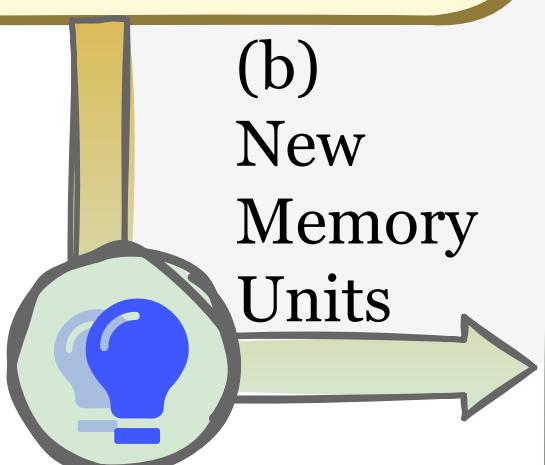


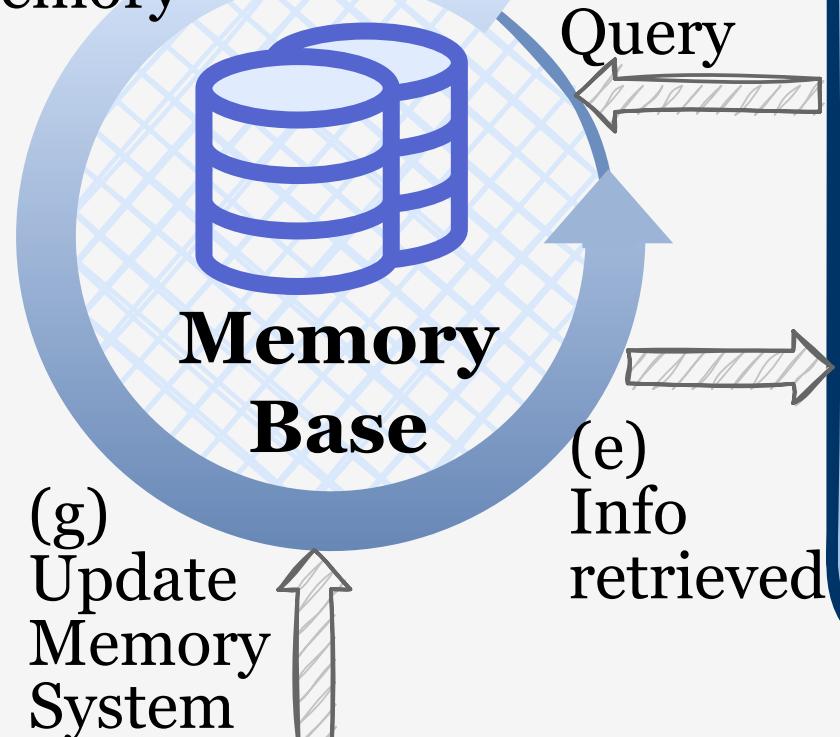
1. Memory Formulation

raw data Mem Unit

Semantic Summarize	Knowledge Distillation
Structured Construction	Latent Representation
Parametric Internalization

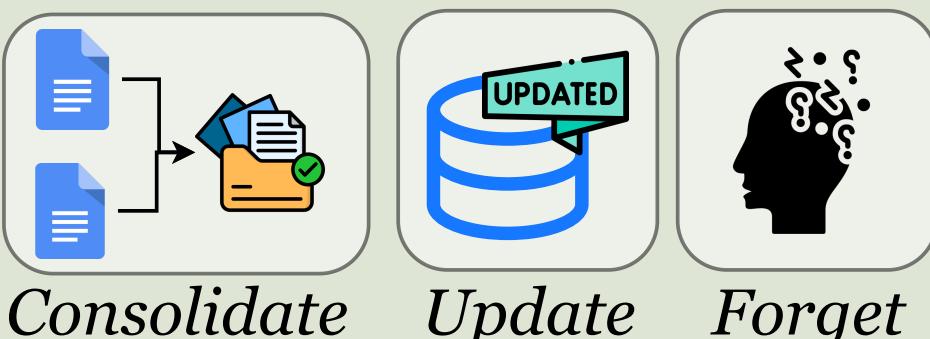


Self-evolving Memory



2. Memory Evolution

Integrate the newly extracted memories with the existing memory repository



3. Memory Retrieval



When&Where to retrieve



What to retrieve



How to retrieve



How to consolidate

(f)

Existing Similar Memories

(c)

Query Related Memories

(e)



Info retrieved

(d)

Retrieval Query

(g)

Update Memory System

Notations

Operations inside
memory systems

Operations between agents
and memory systems