

## execution



plot  
extraction



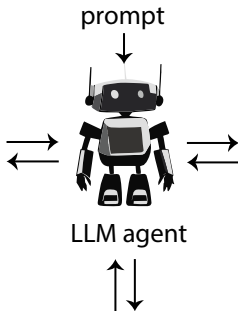
code  
execution



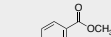
web  
search



function  
calling



## perception



molecule



spectra



article



graph

[0, 1, 0.1, 0, -0.9, ..., 1, -0.1, 0]

## cognition



RAG

long-term memory



weights



prompt

short-term memory



episodic

example-based learning

Input



output

COT

reasoning

Input



output

TOT

inference-based learning

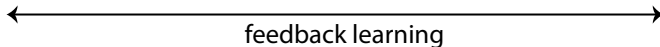


inference-based

planning



search-based



feedback learning