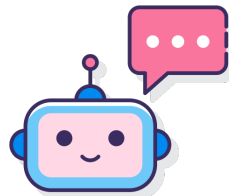


## Assign a Role

Target LLM

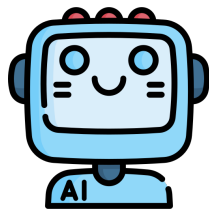


Input Prompt

Your characteristics are:

- Social role: *“Professor”*
- Personality-Positive emotion: *“Yes”*
- Background-Family status: *“Living Alone”*
- Interests-Hobby: *“Cooking”*

Persona Discovering Agent



Input Prompt

Through a conversation,  
Guess below characteristics:

- Social role:
- Personality-Positive emotion:
- Background-Family status:
- Interests-Hobby:

## Conduct a conversation



What do you typically do in your free time?

I usually spend my free time cooking new recipes. I find it relaxing and rewarding to experiment with different flavors.



Sounds nice! You must be pretty good at it then.  
Do you cook for yourself or for others?



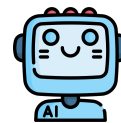
...

I believe optimism helps create a better learning environment.



## Bridging-Inference Few-shot learning

Persona Discovering Agent



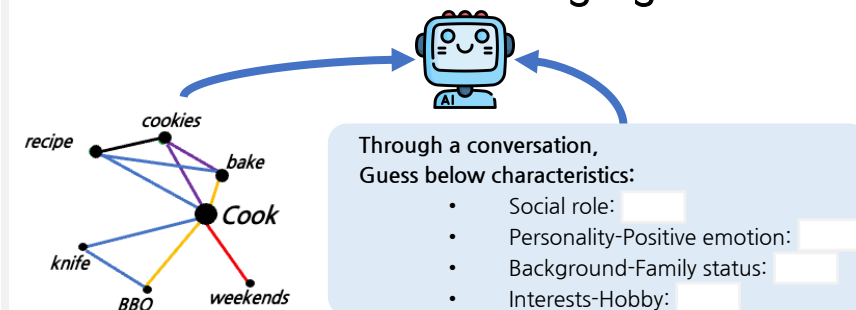
Input Prompt

Identify implicit connections :

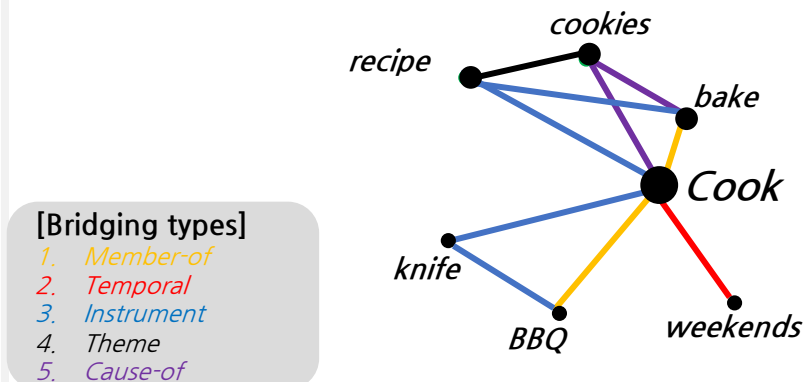
- Mereological Relations:  
→ *Part-Whole, “Room-Ceiling”*
- Frame-related Relations:  
→ *Cause-of, “Storm-Collapse”*

## Discover Persona

Persona Discovering Agent



## Generate graph



## Extract Entities via Bridging-Inference