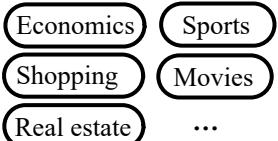
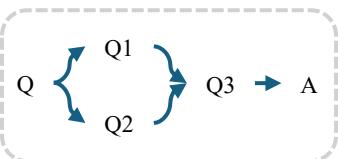


## Domain Collection



## Synthesize Multiple Q-A Pairs



## Trajectory Verification

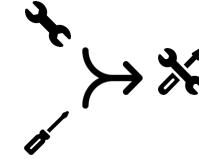


Completeness  
Dependency  
Atomicity  
...

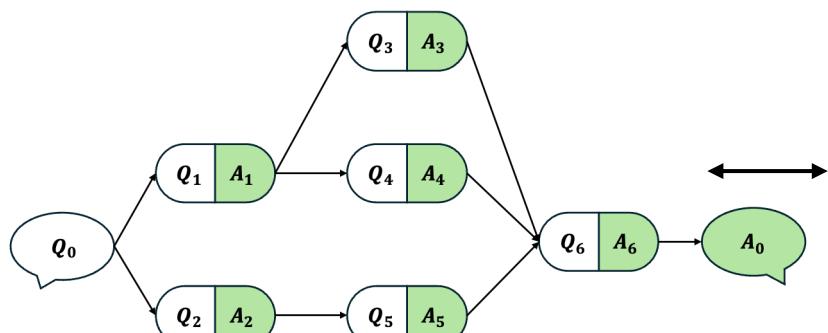
## Env Synthesis



## Env Merging



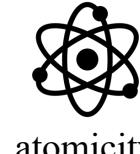
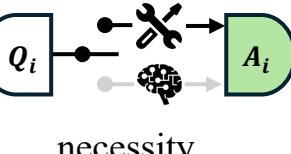
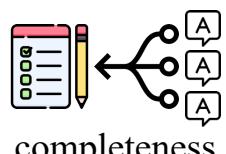
## Multiple Q-A pairs



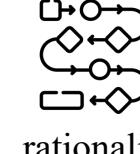
## Q-A pairs DS

- Node 1  
- hop\_level: 1  
- dependency: []  
- sub\_q: "What is ..."  
- ...  
- Node 2  
- hop\_level: 1  
- dependency: []  
- sub\_q: "What is ..."  
- ...  
- Node 6  
- hop\_level: 3  
- dependency: [3, 4, 5]  
- sub\_q: "How to ..."  
- ...

## Verification



atomicity



rationality

