

## (1) Task Planning



User

A paper about AI regulation ... Which of these words is used to describe a type of society in a Physics and Society article submitted to arXiv.org on August 11, 2016?



**Subtask 1:** Search for the correct paper about AI regulation...



**Subtask 2:** Search for the Physics and Society article ...



**Subtask 3:** Compare the label words from the AI regulation ...



**Subtask 4:** Transform the original problem into a special format...



Planner



## Task Channel



**Subtask 1:** Search for the correct paper about AI regulation...

**Task State:** **DONE**  
**Assignee:** <web\_agent\_id>



**Subtask 2:** Search for the Physics and Society article submitted to ...

**Task State:** **RUNING**  
**Assignee:** <web\_agent\_id>



**Subtask 3:** Compare the label words from the AI regulation ...

**Task State:** **OPEN**  
**Assignee:** <reasoning\_agent\_id>



**Subtask 4:** Transform the original problem into a special format...

**Task State:** **OPEN**  
**Assignee:** None

## (2) Task Solving



Coordinator

Subtask 2 should be assigned to <web\_agent\_id>



Worker Pool



Reasoning Agent



Document Agent



Web Agent



**Subtask 2:** Search for the Physics and Society article and identify keywords used to describe a type of society.

**Search Results:**

```
{
  "title": "Phase transition from...",
  "description": "... [Submitted on 11 Aug 2016]. Title:Phase transition from egalitarian to hierarchical societies...",
  "url": "https://arxiv.org/abs/1608.03637"
},
...
```

