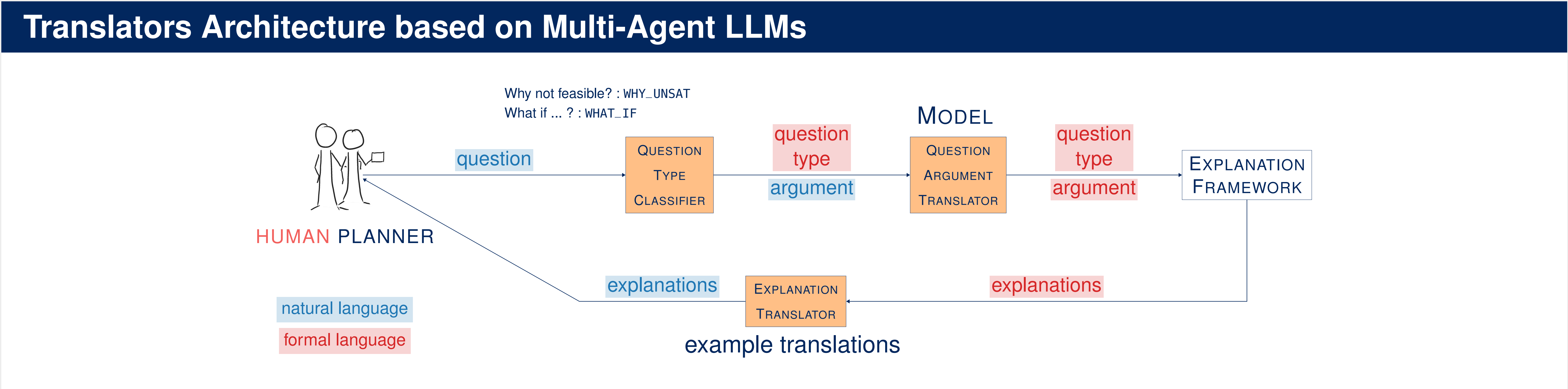
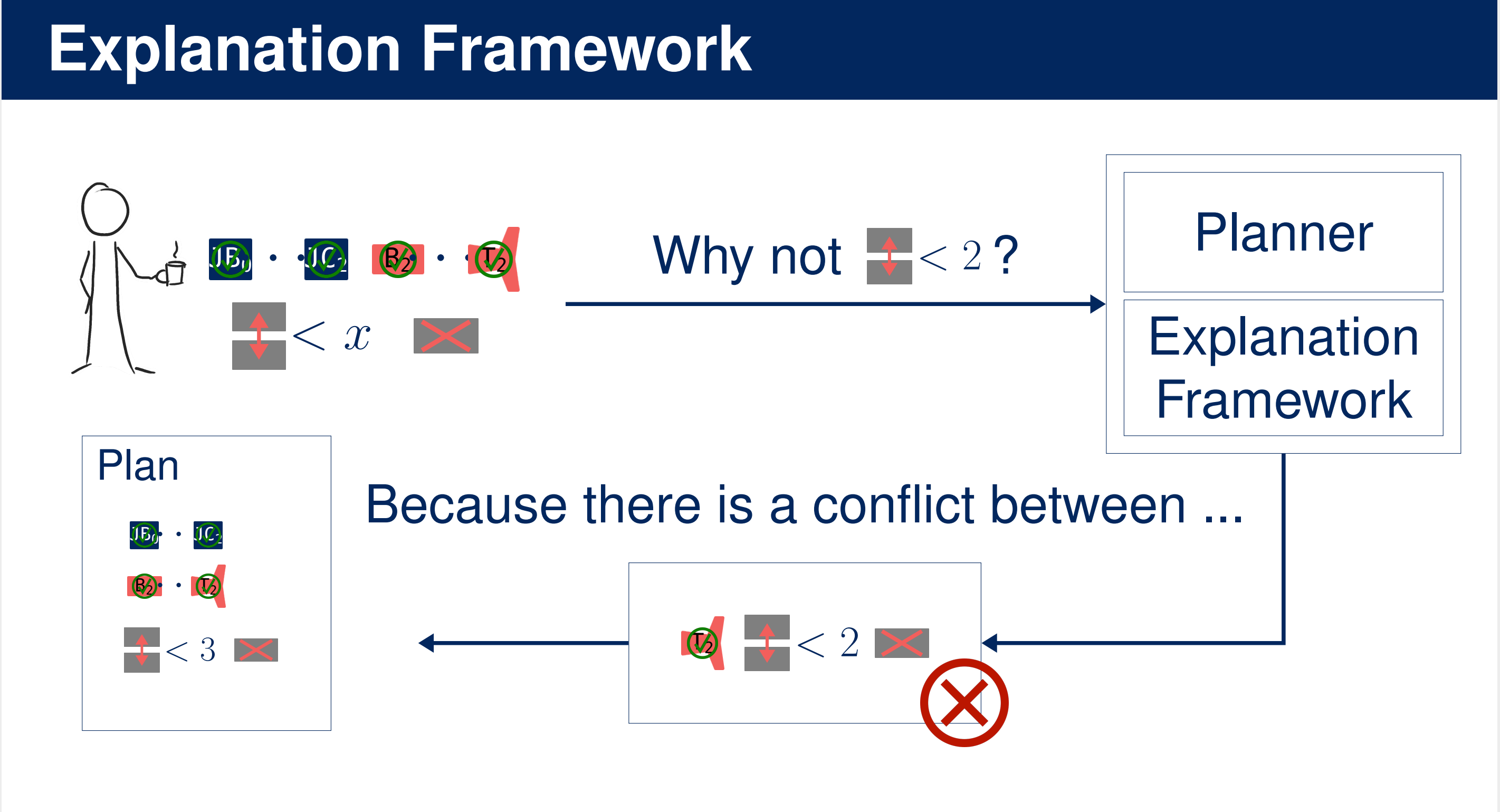
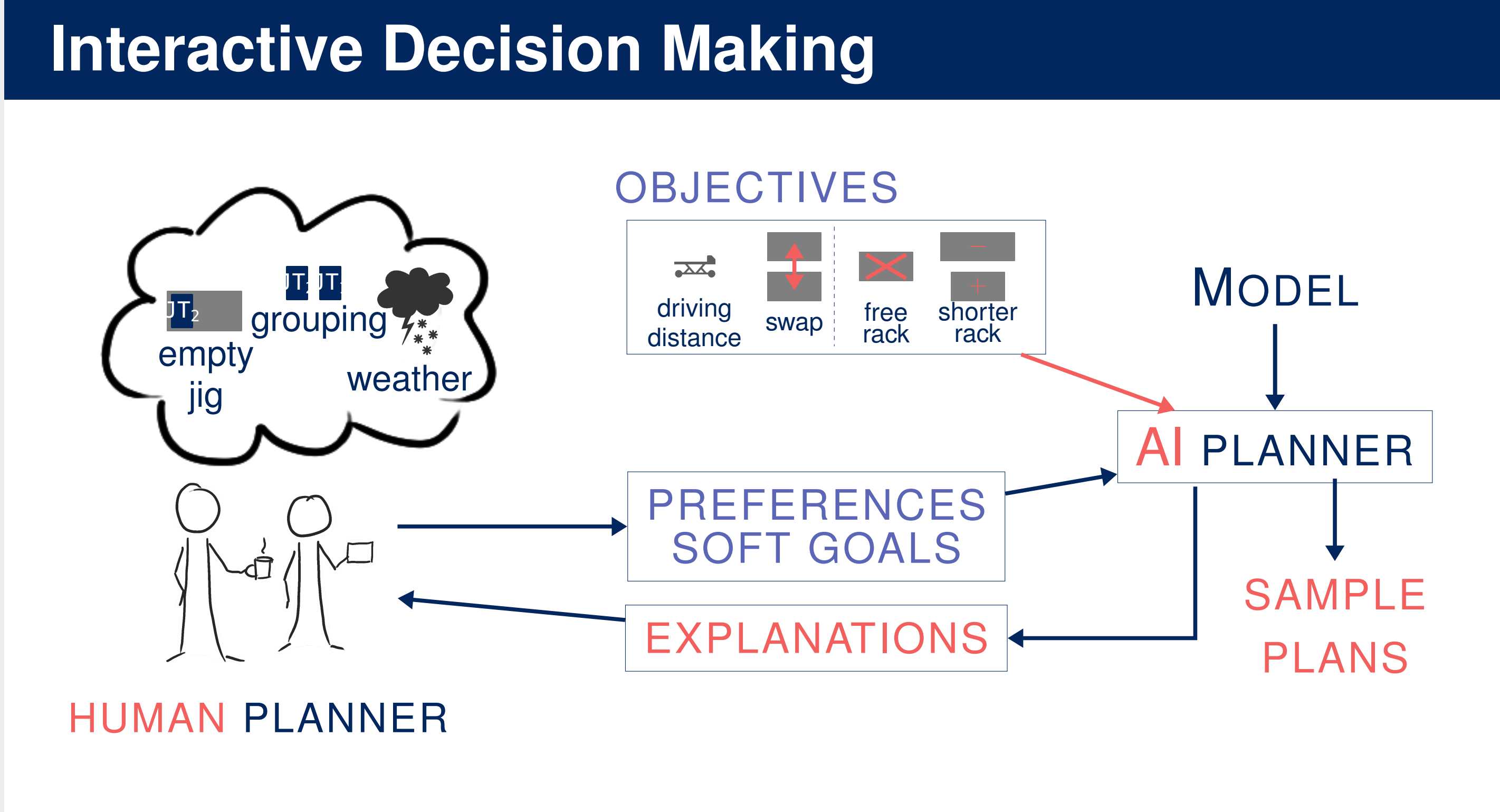


IPEXCO: A Platform for Iterative Planning with Interactive Goal-Conflict Explanations

Rebecca Eifler¹ Guilhem Fouilh  ²

¹LAAS-CNRS, Toulouse, France ²IRIT, Toulouse, France



Interactive Explanations with LLMs

Natural language questions

Interactive explanations

Summarization / Selection

Real-time feedback

  Insights

Hi! I'm here to help you to understand this planning task. You can ask me any question.

Why is it unsolvable ?

The current plan is unsolvable because there are several conflicts between the goals you enforced. Specifically, you have enforced goals that cannot all be achieved at the same time. For example, the goals of **parent does sports** and **parent buys groceries** conflict with each other, as do the goals of **ensure kid is home in the evening**, **kid does soccer training**, and **parent buys groceries**.
To make the planning task solvable, you will need to stop enforcing at least two of these conflicting goals. For instance, you could stop enforcing either **parent does sports** or **parent buys groceries** to resolve one of the conflicts. If you want to explore specific resolutions or need further assistance, feel free to ask!

I would be interested in exploring all possible ways of solving the conflicts

Sure! Here are the possible ways to resolve the conflicts in your current plan:
1. Stop enforcing:

- parent buys groceries** and **parent brings groceries back home**. This will allow you to keep **ensure kid is home in the evening** and **kid does soccer training**.

2. Stop enforcing:

- parent does sports** and **kid does soccer training**. This will allow you to keep **parent buys groceries** and **parent brings groceries back home**.

3. Stop enforcing:

- ensure kid is home in the evening** and **parent does sports**. This will allow you to keep **parent buys groceries** and **parent brings groceries back home**.

These are the sets of goals you can forgo to make the planning task solvable. If you have any preferences or priorities among these goals, let me know, and I can help you choose the best option!

Hide previous messages

Type your question here...

