Process Model Redesign with the Chatbot

* Indicates required question

1. **Informed Consent to Participate in Survey** *

Who Can Participate?
If you are aged 18 or older you are eligible to participate.

What is the purpose of this study?
This survey is part of a research project on the automatic discovery of process models based on textual process descriptions gathered during interviews or workshops using generative AI applications. Typically, process models are created by human process modelers or analysts based on informal process descriptions. Our goal is to determine to what extent it is possible to generate and improve process models through the iterative exchange of questions and answers between domain experts and chatbots, i.e., by utilizing Large Language Models (LLMs) and Conversational User Interfaces (CUIs).

What will I do?
In this survey, you will first answer some general questions about your modeling skills. Then, you will see two models: the input model and the output model. Your task is to describe, in your own words, the changes you would make to the input model to create the output model.

Procedure:
This survey is completely voluntary. There are no negative consequences if you don’t want to take it. If you start the survey, you can always change your mind and stop at any time.
Your participation in this online survey is completely anonymous. No information you share electronically can be traced to you or the computer you use. Your participation in the survey indicates you read this consent information and agreed to participate in this anonymous survey. Depending upon the depth of your responses and the level of your motivation, the survey will range from 15 to 30 minutes.

Important:
The aim of this survey is to understand how you approach process modeling and the use of chatbots to redesign a model. Do not try to predict or adjust your behavior; simply describe the changes as you think they should be made. There are no right or wrong answers. Your first impulse is the best option.

Check all that apply.

- [ ] I confirm my informed consent.

General Questions

2. Are you familiar with graphical modeling languages such as UML, ER, BPMN, etc.? *

Mark only one oval.

- ◯ Yes
- ◯ No *Skip to question 5*

General Questions

3. Please rate your modelling skills with graphical modeling languages listed above with respect to the following 5-point scale:

Mark only one oval.

- ◯ no experience
- ◯ learned in class or from book
- ◯ used in a class project
- ◯ used in one project in industry
- ◯ used in multiple projects in industry

4. Years of modelling experience (number):

_____

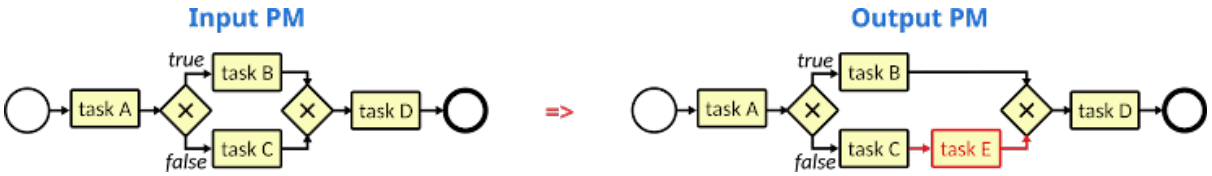
Survey

In each question, you will be presented with two process models: **Input Process Model** and **Output Process Model**. Your task is to imagine that, using a chatbot, you want to make changes to the Input Process Model to derive the Output Process Model. To transition from the Input Process Model to the Output Process Model, you will need to explain, in your own words, the changes that should be made to the input model. These changes may involve adjustments, removals, or additions to specific steps or components of the process.

Example:

Example1: Please remove task B from the model.
Example2: I would like to delete the second task.
Example3: New model must have only two tasks: A and C.

5. Describe the changes for transformation with your own words: *



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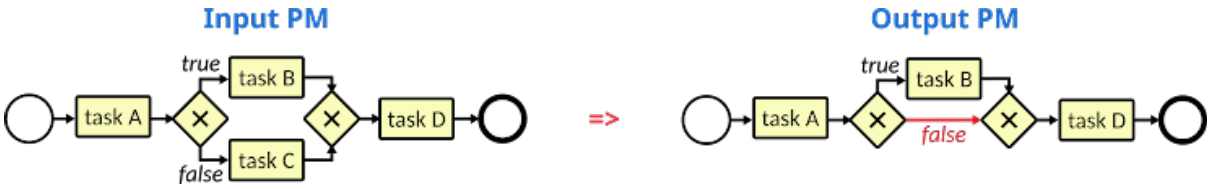

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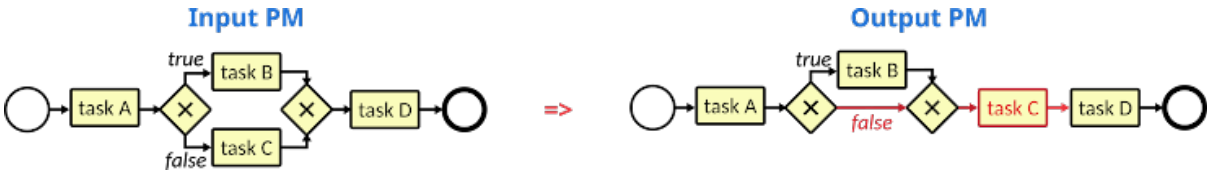

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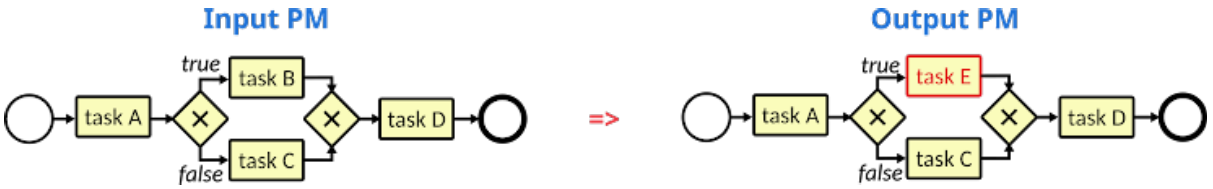

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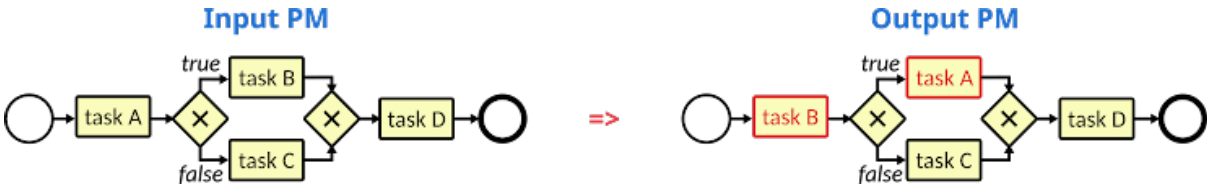

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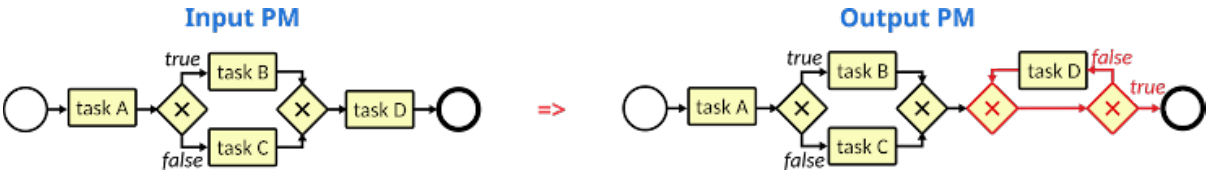

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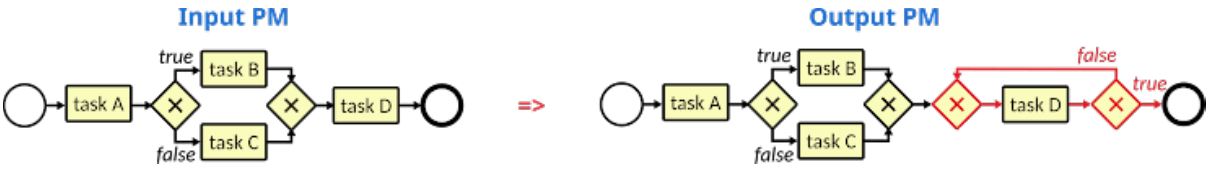

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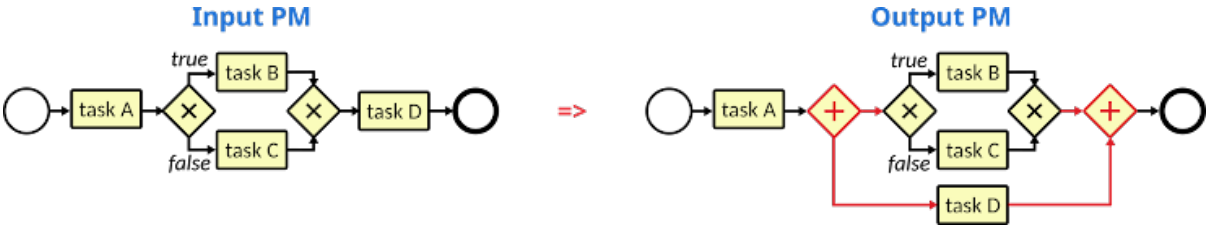

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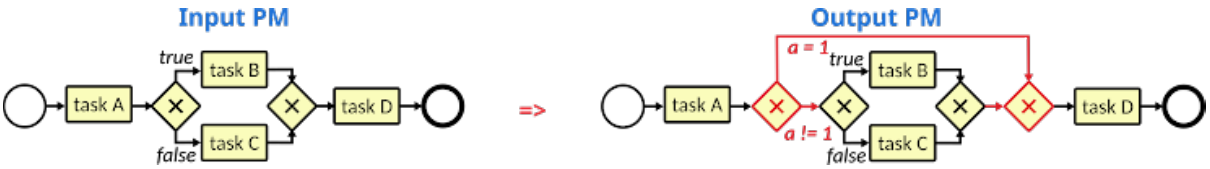

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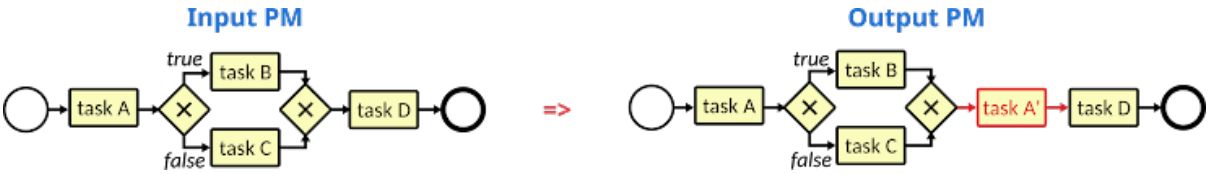

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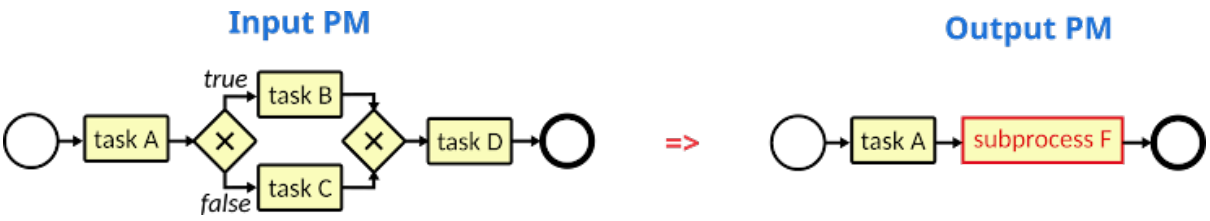

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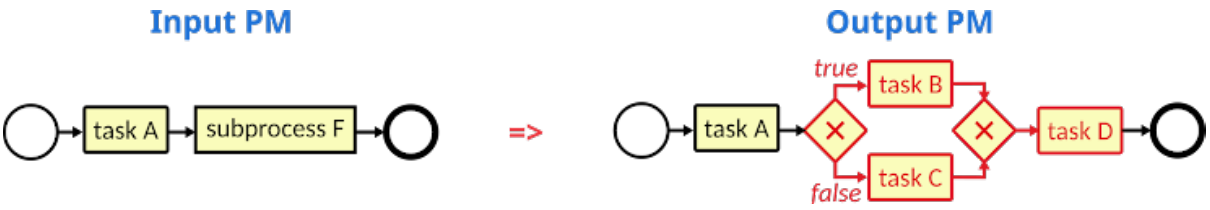

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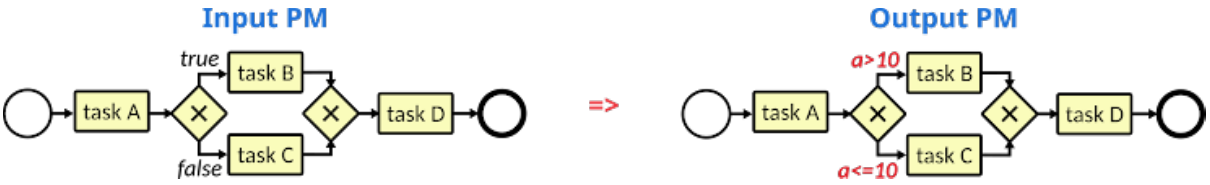

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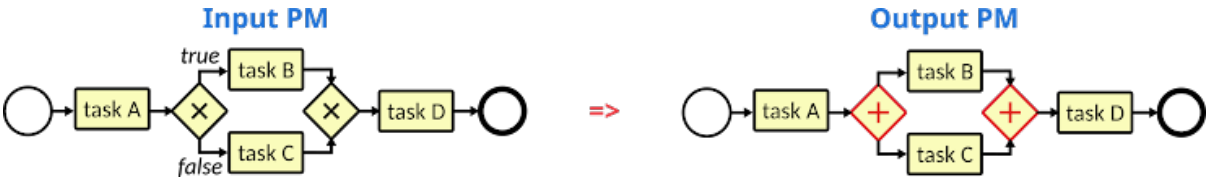

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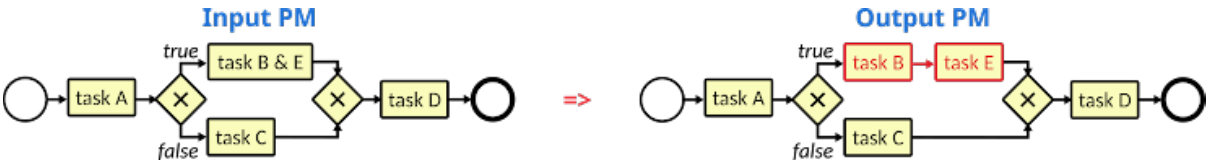

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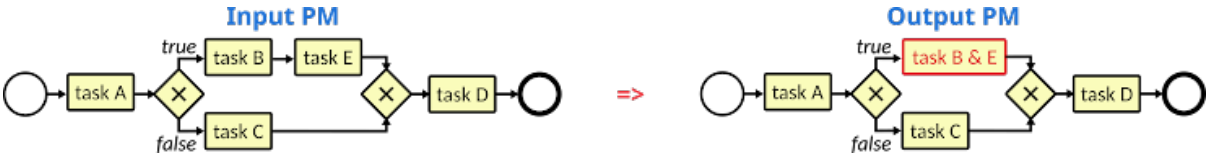

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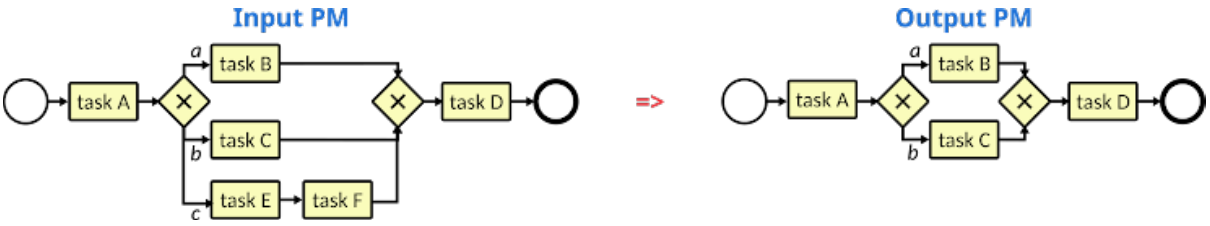

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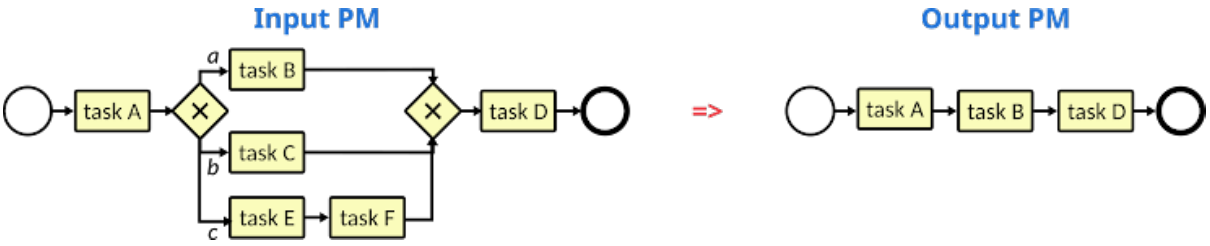

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