MODELING A PHARMACEUTICAL PLANT USING GRAPHICAL INTERFACE OF CD++
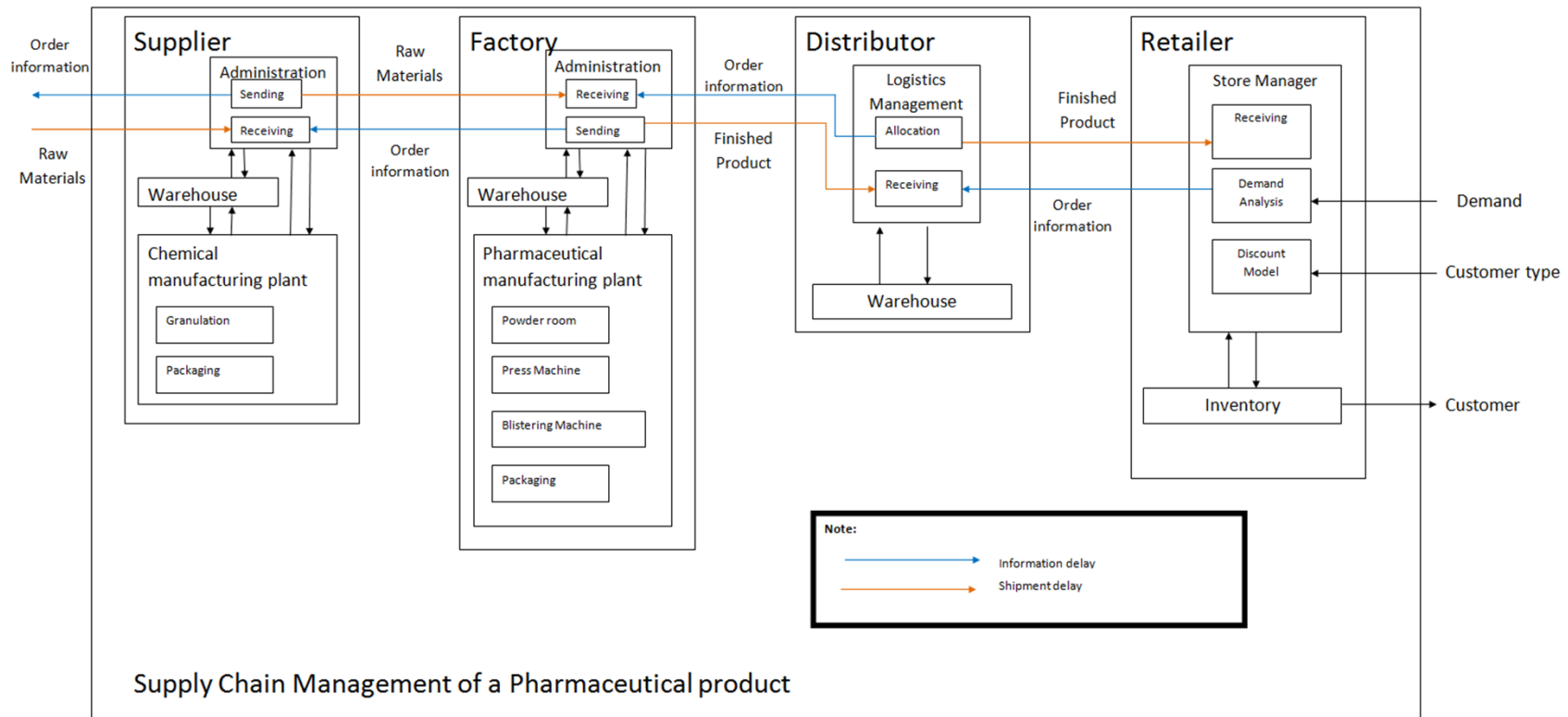
By
Saman Jafartayari

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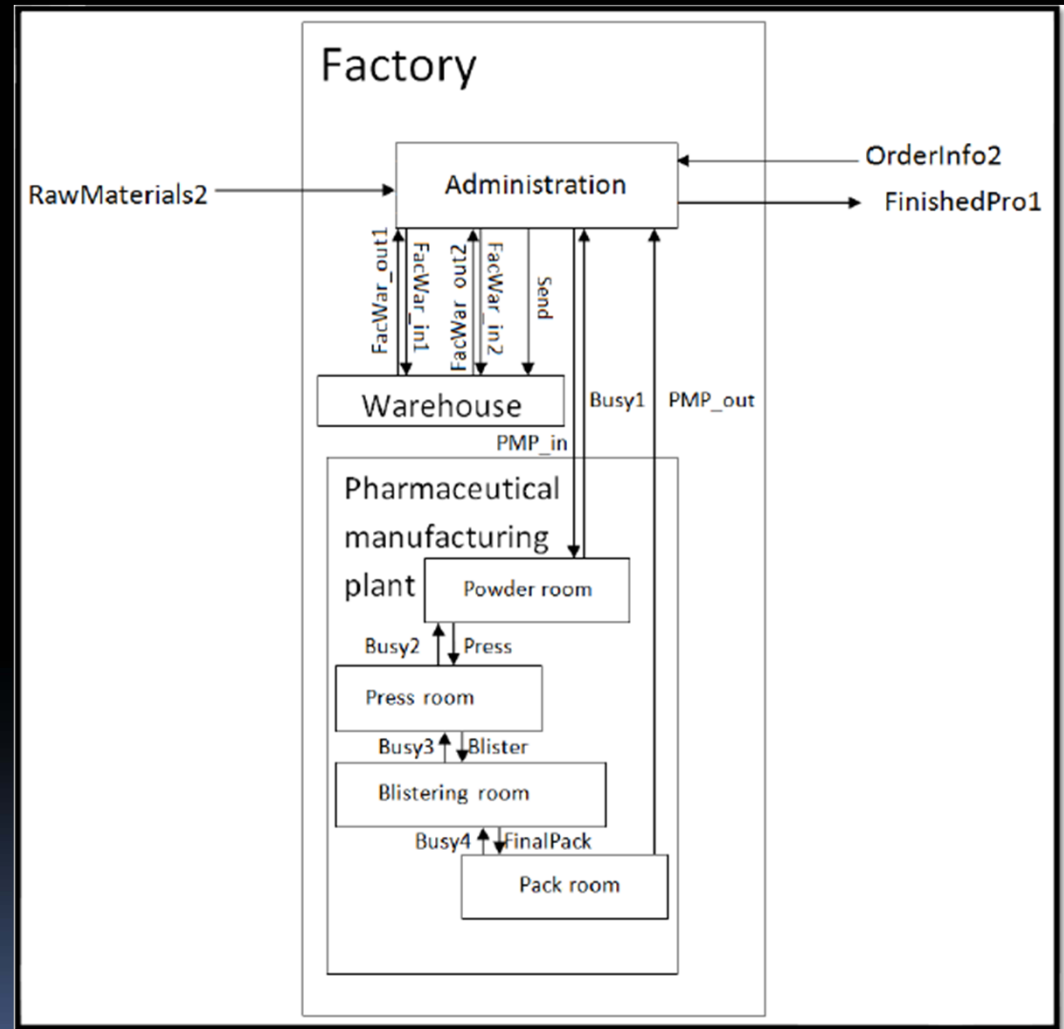
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Introduction

- The initial model consisted of the whole supply chain of a pharmaceutical product
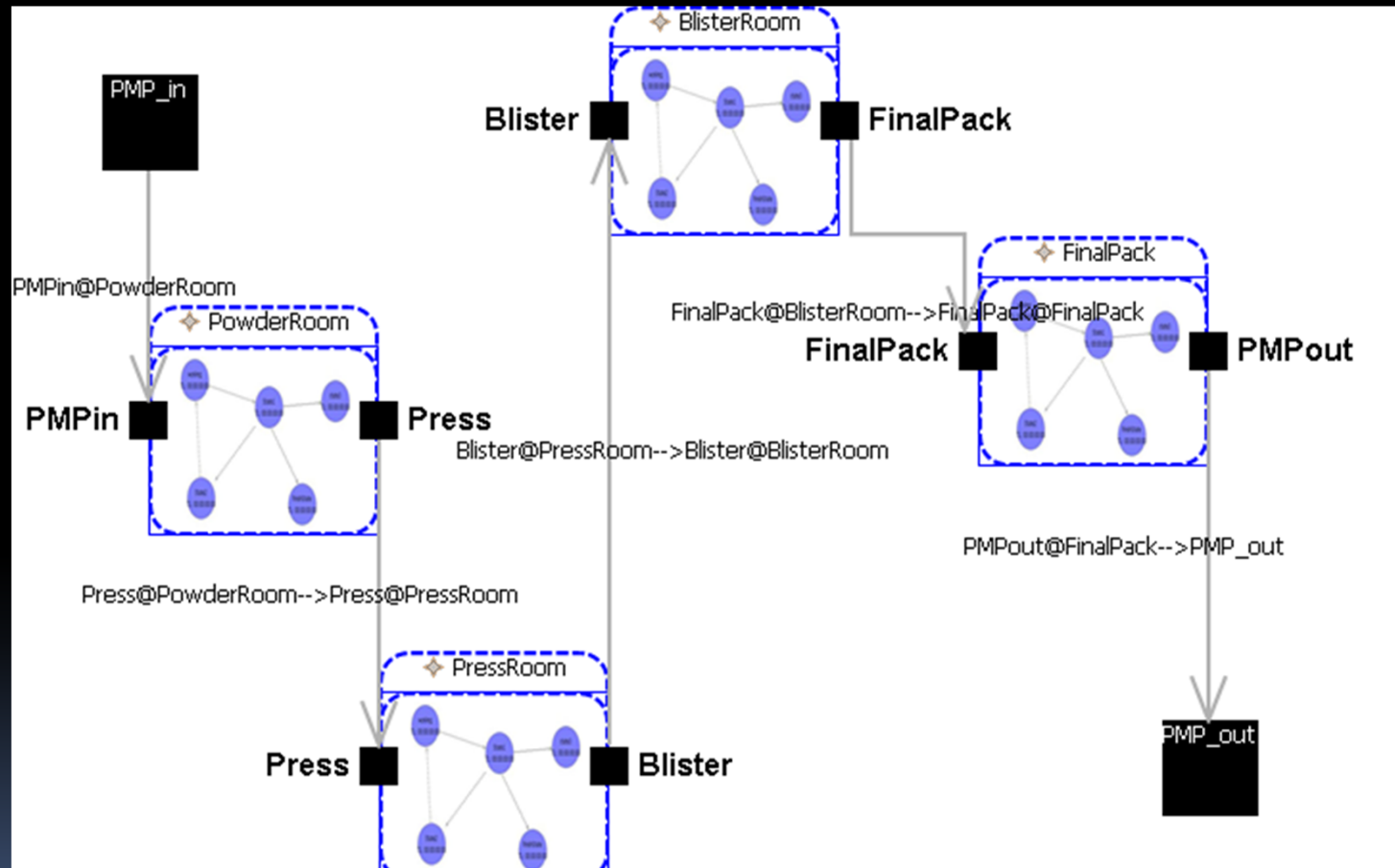

Supply Chain Management of a Pharmaceutical product

Target

- **The FSCM model consists of three components:**
  - *Administrator*
  - *Warehouse*
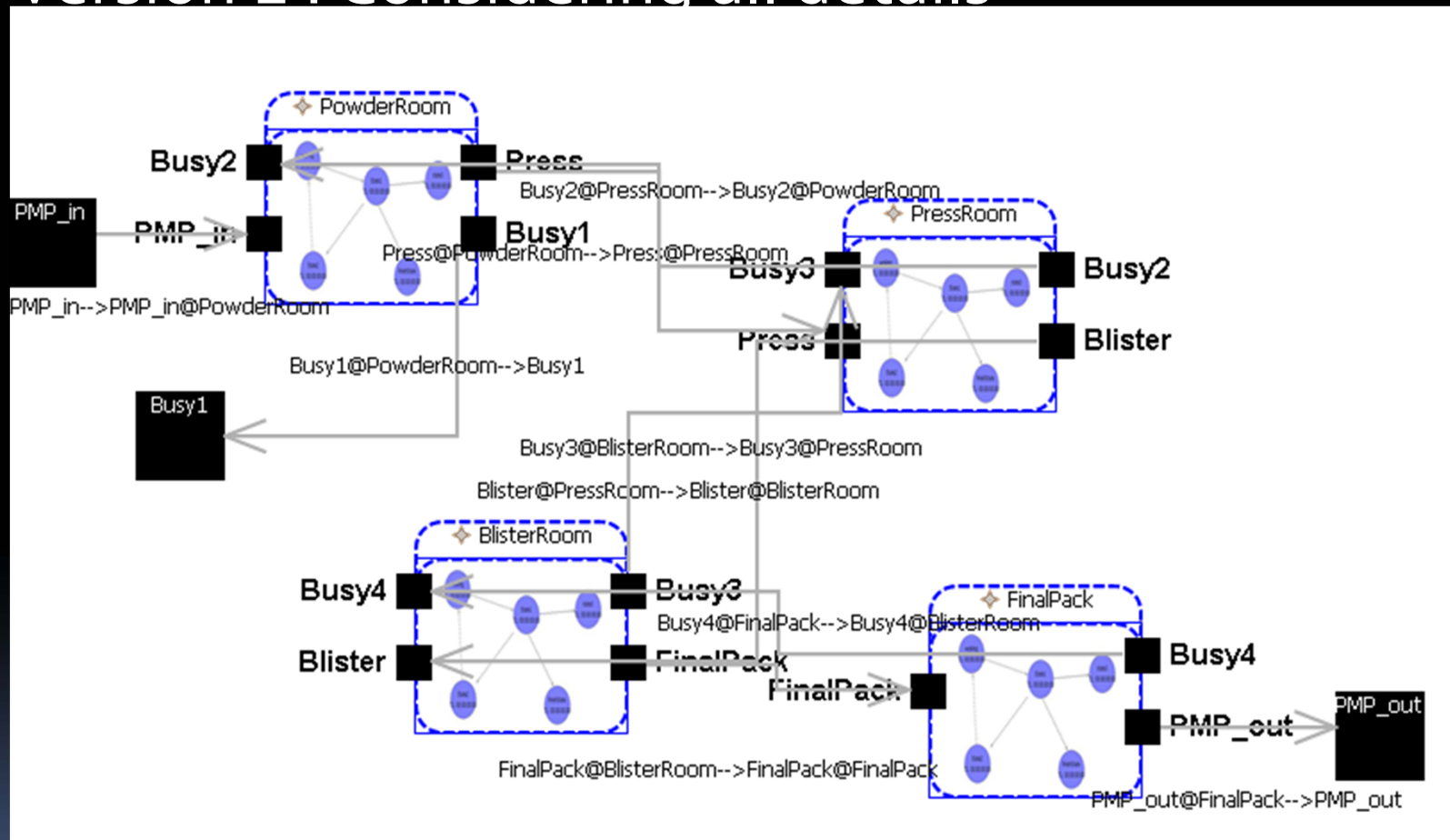 - *Pharmaceutical Manufacturing Plant(PMP)*

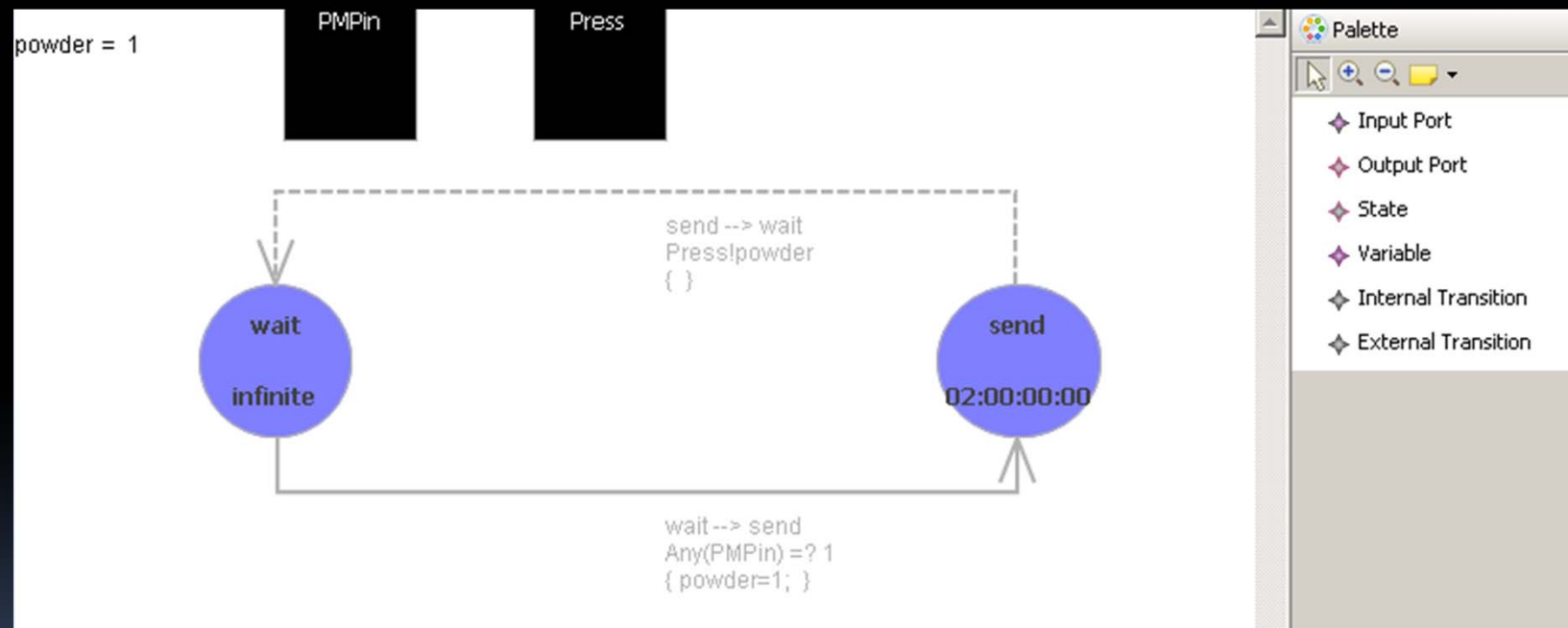# DEVS Coupled Models Defintion

- Version 1 : Simplified version

DEVS Coupled Models Defintion

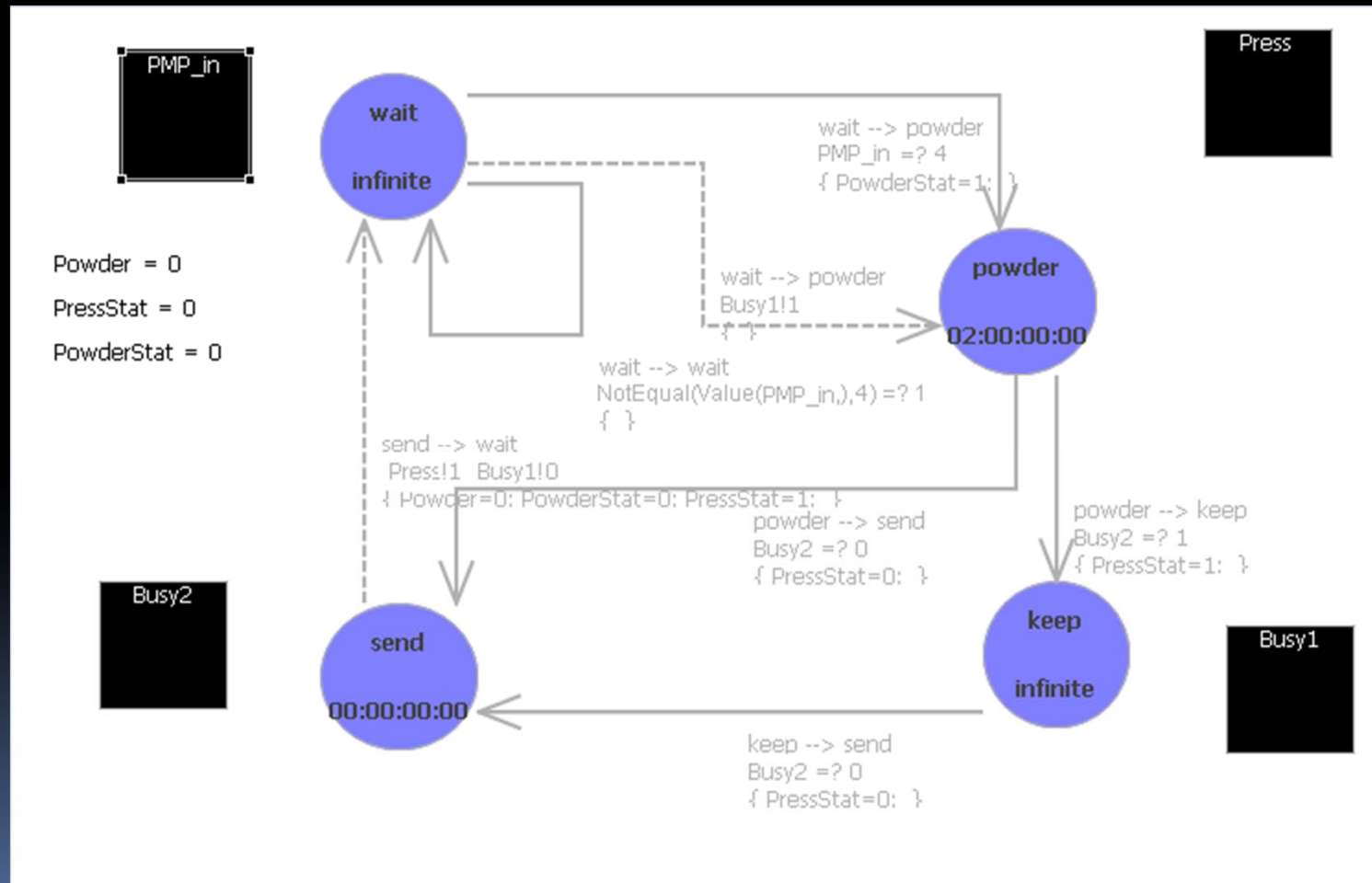- ## Version 2 : Considering all details

DEVS-Graph Atomic Models

- Simplified version of PowderRoom

DEVS-Graph Atomic Models

- More detailed version of the PowderRoom

Conclusion

- Advantages of using graphical interface:
  - Using graphical interface of CD++ is simpler compared to coding the models.
  - We can always see the project from top and find out what has gone wrong.
  - It is easy to modify.
- Disadvantages of using graphical interface:
  - The tool needs improvement and it is still not so user-friendly.

Thank you