

## IV

### Related Works

As far as we know, there is only one natural deduction system for the counterfactuals, which is given by Bonevac [13]. But his system is designed to deal with the  $\mathbf{VW}$ -logic, since it contains the rule of counterfactual exploitation ( $\Box \rightarrow E$ ), which encapsulates the weak centering condition. His approach to define rules for the counterfactual operators provides a better intuition of the counterfactual logic. His systems is expressive enough to deal with modalities and strict conditionals. The labelling of world shifts using formulas makes it easier to capture the counterfactual mechanics.

We also found the work of Sano [14] which pointed out the advantages of using the hybrid formalism for the counterfactual logic. He presented some axioms and rules for the  $\mathbf{V}_{\mathcal{HC}(\@)}$ -logic that extends the  $\mathbf{V}$ -logic of Lewis.

As far as we know, our deduction system is the only one dealing with Lewis systems in a general form, that is, without using modalities in the syntax.