

## 0.1 Clauses and horn clauses

A clause is a disjunction of atomic formulae.

$$A \vee \neg B \vee C$$

This can be written in implicative form.

$$(A \vee \neg B) \vee C$$

$$\neg(A \vee \neg B) \rightarrow C$$

$$(\neg A \wedge B) \rightarrow C$$

A horn clause is a clause where there is at most one positive literal. This means the implicative takes the form.

$$(A \wedge B \wedge C) \rightarrow X.$$