A **Boolean expression** is in *Disjunctive Normal Form* (*DNF*) if it only consists of conjunctions and negations of variables:

$$(t_1^1 \wedge t_2^1 \wedge \cdots \wedge t_{k_1}^1) \vee \cdots \vee (t_1^l \wedge t_2^l \wedge \cdots \wedge t_{k_l}^l)$$

or

$$\bigvee_{j=1}^{l} \left(\bigwedge_{i=1}^{k_j} t_i^j \right)$$

A **Boolean expression** is in *Conjunctive Normal Form* (*CNF*) if it only consists of disjunctions and negations of variables:

$$(t_1^1 \vee t_2^1 \vee \cdots \vee t_{k_1}^1) \wedge \cdots \wedge (t_1^l \vee t_2^l \vee \cdots \vee t_{k_l}^l)$$

or

$$\bigwedge_{j=1}^{l} \left(\bigvee_{i=1}^{k_j} t_i^j \right)$$