

Conjunctive Normal Form (CNF)

Propositional formulas that are the “and” of a collection of clauses, where each clause is the “or” of literals.

A “literal” is a variable, which can be negated

See the webpage at wikipedia, for example...

https://en.wikipedia.org/wiki/Conjunctive_normal_form

- ▶ 2-CNF: all the clauses have at most two literals
- ▶ 3-CNF: all the clauses have at most three literals

Can we determine in polynomial time if a 2-CNF formula is satisfiable?

What about 3-CNF?