

Exercise 4 (deadline: October 29th, 4pm)

Part of Exercise 8.8

Consider the set consisting of the following clauses:

$$\neg p_0 \vee \neg p_1 \vee \neg p_2, \quad p_0 \vee \neg p_2, \quad \neg p_0 \vee p_1, \quad p_1 \vee p_2, \quad \neg p_0 \vee \neg p_1 \vee p_2.$$

Show how GSAT can find a model of this set starting with the initial random interpretation $\{p_0 \mapsto 1, p_1 \mapsto 0, p_2 \mapsto 1\}$.