CS377 Assignment, due Mon. Sept. 17

September 14, 2018

In the lecture, when running DPLL on the following clauses:

$$D \vee E$$
$$B \vee \neg D \vee E$$
$$D \vee \neg E$$
$$\neg B \vee E$$
$$A \vee \neg B$$
$$\neg C \vee \neg E \vee \neg F$$
$$\neg B \vee D$$
$$C \vee \neg E$$
$$\neg E \vee F$$

we used the variable order {A,B,C,D,E,F} whenever we had a choice during the search process (i.e. whenever we weren't forced to assign a literal via unit propagation).

Draw the search tree for DPLL (both with and without conflict-driven learning) using the alternative variable order {D,E,F,A,B,C}.