

Exercise on propositional resolution.

Show by resolution that the following set of clauses is inconsistent (derive empty clause from it):

$$\begin{aligned} & [A, B, C], [A, B, \neg C], [A, \neg B, C], [A, \neg B, \neg C], \\ & [\neg A, B, C], [\neg A, B, \neg C], [\neg A, \neg B, C], [\neg A, \neg B, \neg C] \end{aligned}$$