L8.X.PL.Exercises Addenda

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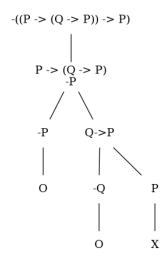
Open Tableaux and Models

Find the models of:

$$\neg((P\supset (Q\supset P))\subset P)$$

Solving with a Tableaux

Graphical Representation



Textual Representation

Open Branches: Model

Two open branches.

We traverse them from leaves to root, selecting propositional letters:

- 1. Leftmost branch: -P
- 2. Middle branch: -Q, -P (more specific than 1, though, so not really needed)

Model: I(P) = false.

Check with Truth Tables

http://datascientia.education/logictools/prop.html

Success!!