Legend:



Start

Construct the set of potential contradictions for the derivation below at its current stage. To add a pair to the list, enter a negation from the derivation using the keyboard and the buttons below, indicate the line on which it appears as a positive subformula, and press the "Add" button. When a negation $\neg \varphi$ is added to the list, it will automatically be paired with its immediate subformula φ for you. When you think all the potential contradictions have been added to the list, click the "Done" button to check whether or not you found them all. 1. ¬P v ¬0 Pairs: Premise 2. $\neg P \rightarrow R$ Premise 3. $\neg Q \rightarrow \neg S$ Premise 4. ¬(R & ¬S) Premise 5. $R \rightarrow \neg (S \vee T)$ Premise ¬(P v T) 6. Assum • . ⊥I: ?,? n-1. Т Done n. P v T ¬E: n-1 Add & Line # Hint



Correct answers:

Formula	Line #
¬P	I
¬Q	I
٦S	3
¬(R & ¬S)	4
¬(SvT)	5
¬(P v T)	6

Pairs display:

At completion:

Example, partially completed:



The feedback is designed with the assumption that the number of contradictory pairs is not provided to the student, so the pairs display shouldn't give away the exact number.

If this aspect of the design is problematic, please let me know so that I can rewrite the feedback accordingly.











