

Logic 101 User Guide

Hatzic Intellectual Software

- The app opens its derivation display on startup.
- The blue button at the right of the toolbar opens the information display.

The Derivation Display

- Use the toolbar buttons to add and insert derivation lines and subderivations.
- To edit a formula or a subderivation, touch the line.
- Subderivations are indicated by a ► symbol at the beginning of the line.
- Each subderivation opens in its own display.
- To delete or move a line or subderivation, press the Edit button at the top of the screen.
- The toolbar does not respond when the Edit button is active.
- The derivation is saved automatically when you exit the app.

Constructing Derivations

- Begin by entering the assumptions of the derivation and its conclusion.
- Then insert the intervening lines, using the goal sentence strategies described in *The Logic Book*.
- If a derivation line can be derived from preceding lines, it is coloured blue.

- The derivation is complete when all lines are coloured blue, except for:
 - the assumptions of the derivation;
 - the first lines of subderivations.
- To see the entire derivation on one screen, press the annotation button on the toolbar.

The Annotation Display

- Press the annotation button on the toolbar to open the annotation display.
- The derivation lines are automatically numbered in the annotation display.
- Every line that is derivable is automatically justified by the relevant derivation rule.
- In these justifications, a line number followed by 's' refers to the sub-derivation beginning on that line.
- Any line coloured blue in the derivation display will have a justification in the annotation display.
- For a less cluttered annotation display, line justifications can be turned off. Open the information display to do this.
- The annotated derivation is copied into an email message when you press the email button.

The Derivation Rules Display

- The derivation rules display is accessed from the information display.
- Touch the name of a rule to see a description of how it is applied.
- The abbreviation for the rule is shown at the top of the description screen.