

Formal Logic: Creating your own formal symbol system

First Name:

Last Name:

E-mail address:

Now that you've seen how we can specify the syntax of a language in a formal recursive definition, try your hand at creating your own formal symbol system. Simply specify the symbols used for the most basic propositions, a set of operators (unary and/or binary), grouping indicators (we used parentheses), and rules for combining them. Note that your symbol-set is somewhat limited by the computer interface we're using. If you want to use other symbols - and you may - feel free to hand in a hard-copy version of this exercise.

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