The program package*

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This is the "program" style option which sets up the program and programbox environments, keywords for programs and a few goodies. *Note:* Within the program environment:

- (1) Newlines are significant.
- (2) Each line is in math mode, so for example spaces in the input file are not significant.
- (3) $\$ within a line causes a linebreak in the output.

We also define a "programbox" environment which typesets a program in a box. Useful for keeping a pice of code on one page or for typesetting small programs in running text. We also redefine \(and \) as \begin{programbox} and \end{programbox}. The \tab and \untab commands are defined to have no effect while outside a program environment, hence a single-line program can be typeset in maths mode without the overhead associated with programbox.

The notation $|variable_name|$ can be used within normal text, maths expressions or programs to indicate a variable name. Use \circ rigbar to get a normal | symbol in a program. The commands A, B, R, T and Z typeset the corresponding bold letter with the next object as a substript (eg S1 typesets S_1 etc). They now cope with primes as well, (eg S2''). The program.sty file can be easily edited to reflect your favoured style. Typesetting a program is as easy as:

 $(\ x \ 0 \ HEN \ |\ ame |_{123} = x^y \FI)$

See the program-demo.tex file for examples.

The file should work with or without \mathcal{AMS} -LATEX.

This work is released under the GPL version 3.

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