Clean GP programming

with a view to GP2C

B. Allombert

IMB
CNRS/Université Bordeaux 1

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Function definition

Define your function as follow:

\[
\text{fun}(x, y, z=0, t=1) = \\
\{ \\
    \text{my}(a, b, c); \\
    \ldots; \\
    a; \\
\}
\]
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- Put the braces on the line after the = sign.
- Add a trailing semicolon.
- Denote all optional arguments with \( z = \).
- Avoid useless \texttt{return} at the end.
- Declare all local variables with \texttt{my()}.
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Loops

{  
    my(s);
    forprime(p=3,,  
        if(p%4==1,s++,  
            s--);  
        if(s==1,  
            return(p))  
    );
}
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▶ Indent your code.
▶ Do not declare automatic loop variable.
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- Avoid global variables.
- Write indeterminate using \( \_x \) instead of \( x \).
- Run \texttt{gp2c -w} on your program to check for problems.
- Use \texttt{\_g1} under GP when reading your script to get warnings about copy problem.