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Dear Everybody

Hi!

I've been thinking about some efficiency stuff. First in little university, change CM and CV to dyadic, call-by-reference, return nothing functions.

Second, add a new type of parameter spec. (as in p (by reference), o (optional)). Add $\perp$, blank call by reference. FUNCTION: compile a call by reference, but do not say 'illegal call by reference operand' ever. USE: functions which do not change their operands, even locally. BENEFITS: if I understand the system correctly, this will save time and space.

Thirdly, cIt seems to me that most of the runtime is optimized for time rather than space. It is possible to reoptimize for space and save time by eliminating swapping. As an example: $R \leftarrow A(Q)B$ does not call $R \leftarrow QB$, couldn't replace $R \leftarrow QB$ with $R \leftarrow 1 \ 2 \ QB$ or $R \leftarrow 2 \ 1 \ QB$ or whatever save a huge chunk of code and swapping. similar things like $\vdash$ could be expressed in terms of $\uparrow$.

Have a nice Hanukkah & Christmas

Sheldon