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Artificial Intelligence Project--RLE and MIT Computation Center
Memo 50--

Suggested Conventions for LISP Time-Sharing System

by Richard A. Robnett

April 3, 1963

Below is a list of suggested Conventions and De-bugging aids for LISP time-sharing. Any and all suggestions are encouraged and should be submitted in writing to R. A. Robnett in a hurry.

Suggested Conventions for LISP Time-Sharing System

Each Pair given to evalquote will be evaluated as soon as the parenthesis counts out; if the function has no meaningful value something like GO will be typed.

It is possible to name a list or sub-list and then refer to this name to access a list. All function names, constant variable names, and array names are automatically and permanently associated with their respective lists. All names must be unique.

name [a,b,*ℓ*]

This function looks for the list *ℓ*, which is a sub-list of a, and gives it the name b.

uname [a]

uname disassociates a from its list.

change [a,*ℓ*]

a will be changed to *ℓ*.

precede [a,*ℓ*]

the list *ℓ* will precede a.

follow [a,*ℓ*]

The list *ℓ* will follow a.

delete [a]

a will be deleted.

tchange, tprecede, tfollow, tdelete are the same as above, but are temporary and may be restored one at a time by restore [a].

printt [a]

will type the list a in indented notation.

tracet [a,ℓ]

a is a function name

ℓ is a list of variables in the function.

tracet works like a combination of the present trace and traceset but only printing the variables in ℓ. If ℓ is ALL, all variables are traced.

untracet [a]

stops all tracing of a.

bripoint [a]

will return to the console--the value is the value of a.

returnb

will return to immediately following the last bripoint.

clearb

will clear the last return point.

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