

Lisp Macros#

General Information

Author: Datasoft

Language: LISP

Compiler/Interpreter: InterLisp/65

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(FUNCALL DEFPROP PUTPROP NCONC GET MAPCAR EQUAL DELETE SUBST REVERSE REMPROP CONZ GENSYM
(DEFINEQ FUNCALL '(MACRO (S) (CONS (QUOTE APPLY*) (CDR S)))
)
(DEFINEQ DEFPROP '(NLAMBDA (A) ((LAMBDA (ID PROP NAME) (PROGN (COND ((ASSOC NAME MACFNS)
)
(DEFINEQ PUTPROP '(LAMBDA (ID PROP NAME) (PROGN (COND ((ASSOC NAME MACFNS) (DEFINE ID
)
(DEFINEQ NCONC '(LAMBDA (X Y) (PROGN (RPLACD (LAST X) Y) X))
)
(DEFINEQ GET '(LAMBDA (ID NAME) (COND ((ASSOC NAME MACFNS) (CONS (QUOTE LAMBDA) (CDR
)
(DEFINEQ MAPCAR '(LAMBDA (X FN) (COND ((EQ X) NIL) (T (CONS (APPLY* FN (CAR X)) (MAPCAR
)
(DEFINEQ EQUAL '(LAMBDA (X Y) (COND ((ATOM X) (EQ X Y)) ((ATOM Y) (EQ X Y)) ((AND (EQU
)
(DEFINEQ DELETE '(LAMBDA (X Y) (COND ((EQ Y) NIL) ((EQUAL X (CAR Y)) (DELETE X (CDR Y)
)
(DEFINEQ SUBST '(LAMBDA (X Y Z) (COND ((EQUAL Y Z) X) ((ATOM Z) Z) ((CONS (SUBST X Y
)
(DEFINEQ REVERSE '(LAMBDA (X) (COND ((ATOM X) X) ((APPEND (REVERSE (CDR X)) (LIST (CAR
)
(DEFINEQ REMPROP '(LAMBDA (ID NAME) (COND ((ASSOC NAME MACFNS) (DEFINE ID NIL) ID) (T
)
(DEFINEQ CONZ '(LAMBDA (X Y Z) (RPLACA (RPLACD X Z) Y))
)
(DEFINEQ GENSYM '(LAMBDA NIL (PACK (CONS (QUOTE G0) (RPLACA (QUOTE (0)) (+ (CAR (CAR
)
(DEFINEQ DEFUN '(MACRO (S) (CONS (QUOTE DEFPROP) (CONS (CAR (CDR S)) ((LAMBDA (X) (CON
)
(SETQ MACFNS '((EXPR LAMBDA) (FEXPR NLAMBDA) (MACRO MACRO))
)
NIL
```