```
(RPAQQ STEP-COMMAND-MENUCOMS
       ((INITVARS (*STEP-COMMAND-MENU* T)
              (USER::*STEP-COMMAND-INVERT-MENU-SHADE* 1))
        (P (CL:PROCLAIM '(CL:SPECIAL *STEP-COMMAND-MENU* USER::*STEP-COMMAND-INVERT-MENU-SHADE*)))
        (FUNCTIONS USER::STEP-COMMAND-AFTER USER::STEP-COMMAND-ASKUSER USER::STEP-COMMAND-ASKUSER-MENUSELFN
              USER::STEP-COMMAND-BEFORE USER::STEP-COMMAND-WRAPPER)
        (P (CHANGENAME 'CL::STEP-COMMAND 'ASKUSER 'USER::STEP-COMMAND-ASKUSER)
           (MOVD 'CL::STEP-COMMAND 'USER::STEP-COMMAND-ORIGINAL)
           (MOVD 'USER::STEP-COMMAND-WRAPPER 'CL::STEP-COMMAND))
        (PROP (MAKEFILE-ENVIRONMENT)
              STEP-COMMAND-MENU)))


(RPAQ? *STEP-COMMAND-MENU* T)

(RPAQ? USER::*STEP-COMMAND-INVERT-MENU-SHADE* 1)

(CL:PROCLAIM '(CL:SPECIAL *STEP-COMMAND-MENU* USER::*STEP-COMMAND-INVERT-MENU-SHADE*))


(CL:DEFUN USER::STEP-COMMAND-AFTER ()                      ; Edited 29-Sep-87 11:39 by Matt Heffron
    (LET ((USER::STEP-WINDOW (WFROMDS CL::*STEP-IO*)))
         (CL:WHEN (AND *STEP-COMMAND-MENU* (CL:ZEROP CL::*STEP-INDENTATION-LEVEL*))
              (REMOVEWINDOW (WINDOWPROP USER::STEP-WINDOW 'USER::STEP-MENUW))
              (WINDOWPROP USER::STEP-WINDOW 'USER::STEP-MENUW NIL)
              (WINDOWPROP USER::STEP-WINDOW 'USER::STEP-EVENT NIL))))


(CL:DEFUN USER::STEP-COMMAND-ASKUSER (USER::WAIT USER::DEFAULT USER::MESS USER::KEYLIST)
                                                          ; Edited  1-May-87 10:25 by Matt Heffron
    (CL:IF *STEP-COMMAND-MENU*
        (LET ((USER::MENUW (WINDOWPROP (WFROMDS CL::*STEP-IO*)
                                   'USER::STEP-MENUW)))
             (INVERTW USER::MENUW USER::*STEP-COMMAND-INVERT-MENU-SHADE*)
             (WINDOWPROP USER::MENUW 'USER::STEP-ACTIVE T)
             (AWAIT.EVENT (WINDOWPROP USER::MENUW 'USER::STEP-EVENT))
             (WINDOWPROP USER::MENUW 'USER::STEP-ACTIVE NIL)
             (INVERTW USER::MENUW USER::*STEP-COMMAND-INVERT-MENU-SHADE*)
             (WINDOWPROP USER::MENUW 'USER::STEP-VALUE))
        (ASKUSER USER::WAIT USER::DEFAULT USER::MESS USER::KEYLIST)))


(CL:DEFUN USER::STEP-COMMAND-ASKUSER-MENUSELFN (USER::ITEM USER::MENU USER::BUTTON)
                                                          ; Edited  1-May-87 10:25 by Matt Heffron
    (LET ((USER::W (WFROMMENU USER::MENU)))
         (CL:WHEN (WINDOWPROP USER::W 'USER::STEP-ACTIVE)
              (WINDOWPROP USER::W 'USER::STEP-VALUE (CADR USER::ITEM))
              (NOTIFY.EVENT (WINDOWPROP USER::W 'USER::STEP-EVENT)))))


(CL:DEFUN USER::STEP-COMMAND-BEFORE ()                     ; Edited 29-Sep-87 11:43 by Matt Heffron
    (LET ((USER::STEP-WINDOW (WFROMDS CL::*STEP-IO*)))
         (CL:WHEN (AND *STEP-COMMAND-MENU* (NOT (WINDOWPROP USER::STEP-WINDOW 'USER::STEP-MENUW)))
              (LET ((USER::WREGION (WINDOWREGION USER::STEP-WINDOW))
                    USER::MENUW USER::MREGION)
                   (CL:SETQ USER::MENUW (MENUWINDOW (|create| MENU
                                                        ITEMS _ '(("Step" \  "Step - Evaluate this expression,
                                                                stepping on the sub-expressions")
                                                              ("Next" N "Next - Evaluate this expression
                                                                without stepping")
                                                              ("Finish" F "Finish - Complete evaluation
                                                                without the stepper")
                                                              ("Abort" ^ "Abort - Abort this evaluation"))
                                                        WHENSELECTEDFN _
                                                        #'USER::STEP-COMMAND-ASKUSER-MENUSELFN
                                                        MENUCOLUMNS _ 1
                                                        TITLE _ " Commands "
                                                        CENTERFLG _ T)
                                                 T))
                   (CL:SETQ USER::MREGION (WINDOWREGION USER::MENUW))
                   (ATTACHWINDOW USER::MENUW USER::STEP-WINDOW (CL:IF (> (+ (|fetch| (REGION LEFT) |of| USER::WREGION)
                                                                        (|fetch| (REGION WIDTH) |of| USER::WREGION
                                                                        )
```

```
                                                             (|fetch| (REGION WIDTH) |of| USER::MREGION
                                                                 ))
                                                     SCREENWIDTH)
                                 'LEFT
                                 'RIGHT)
                  'BOTTOM)
            (WINDOWPROP USER::STEP-WINDOW 'USER::STEP-MENUW USER::MENUW)
            (WINDOWPROP USER::MENUW 'USER::STEP-EVENT (CREATE.EVENT 'USER::STEP-MENU))
            (INVERTW USER::MENUW USER::*STEP-COMMAND-INVERT-MENU-SHADE*)))))
```

(CL:DEFUN **USER::STEP-COMMAND-WRAPPER** (USER::FORM USER::ENVIRONMENT)
                                                            ; Edited 1-May-87 11:33 by Matt Heffron

```
    (CL:IF *STEP-COMMAND-MENU*
        (CL:UNWIND-PROTECT
            (PROGN (USER::STEP-COMMAND-BEFORE)
                   (USER::STEP-COMMAND-ORIGINAL USER::FORM USER::ENVIRONMENT))
               (USER::STEP-COMMAND-AFTER))
        (USER::STEP-COMMAND-ORIGINAL USER::FORM USER::ENVIRONMENT)))
```

(CHANGENAME 'CL::STEP-COMMAND 'ASKUSER 'USER::STEP-COMMAND-ASKUSER)

(MOVD 'CL::STEP-COMMAND 'USER::STEP-COMMAND-ORIGINAL)

(MOVD 'USER::STEP-COMMAND-WRAPPER 'CL::STEP-COMMAND)

(PUTPROPS **STEP-COMMAND-MENU MAKEFILE-ENVIRONMENT** (:READTABLE "XCL" :PACKAGE "INTERLISP"))

(PUTPROPS **STEP-COMMAND-MENU COPYRIGHT** ("Beckman Instruments, Inc" 1987))

FUNCTION INDEX

VARIABLE INDEX

PROPERTY INDEX