


```

                                (TEDIT-INDENT-STRIP-INDENTATION
                                paragraph))
                                (DIFFERENCE right-margin (PLUS new-indent (OR (NUMBERP
                                hanging-indent
                                0)))
                                (DIFFERENCE right-margin new-indent))
join (if (CDR string)
        then (LIST (CAR string)
                    *eol-string* new-indent-string)
        else (LIST (CAR string)))

```

(TEDIT-INDENT-BREAK-LINE

```

[LAMBDA (string first-line-max-length max-length)                (* sml "26-Sep-86 19:42")

  (* * Return a list of strings equivalent to the input string, but with no single string containing more than max-length characters
  and the first line having no more than first-line-max-length characters)

  (if (OR (NULL string)
          (STRING-EQUAL string "")
          (STRING-EQUAL string *eol-string*))
      then NIL
      else (LET ((existing-eol (STRPOS (DEFERREDCONSTANT (MAKEBITTABLE (LIST (CHARCODE EOL)
          string))))
                (if (OR (AND (NULL existing-eol)
                              (LEQ (NCHARS string)
                                   first-line-max-length))
                      (AND (NUMBERP existing-eol)
                           (EQ existing-eol (NCHARS string))
                           (LEQ existing-eol first-line-max-length)))
                    then (* the string fits on a single line)
                    (LIST string)
                else (LET [(break-point (if (AND (NUMBERP existing-eol)
                                                  (LESSP existing-eol first-line-max-length))
                                              then existing-eol
                                              else (TEDIT-INDENT-FIND-BREAKPOINT string first-line-max-length)
                                              (CONS (OR (SUBSTRING string 1 (SUB1 break-point))
                                                  ""))
                                              (TEDIT-INDENT-BREAK-LINE (OR (SUBSTRING string (ADD1 break-point))
                                                  ""))
                                                  max-length max-length]))

```

(TEDIT-INDENT-BREAK-LONG-LINES

```

[LAMBDA (text-stream explicit-paragraph-breaks?)                (* sml "21-Jan-87 16:03")

  (* * Break the current selection into explicit lines, each having no more than *TEDIT-INDENT-LINE-LENGTH* characters.
  -
  If the flag *TEDIT-INDENT-KEEP-LINE-BREAKS* is false, existing line breaks in the current selection are removed.
  -
  This is intended to be used in Lafite, where one wants to indent a piece of a forwarded document, but can be used in any
  TEdit document)

  (LET ((selection (TEDIT.GETSEL text-stream)))
    (TEDIT-INDENT-REPLACE-SELECTION
     text-stream selection
     (CONCATLIST (for string on (TEDIT-INDENT-SEPERATE-PARAGRAPHS (TEDIT.SEL.AS.STRING text-stream
                                                                selection)
                                                                explicit-paragraph-breaks?)
                        bind [hanging-indent _ (AND (NOT (EQ (fetch CHAR1 of (CAR (fetch L1 of selection)))
                                                            (fetch CH# of selection)))
              (DIFFERENCE (fetch CH# of selection)
                           (fetch CHAR1 of (CAR (fetch L1 of selection)
              join (PROG1 (LIST (TEDIT-INDENT-ADD-INDENTATION (CAR string)
                                                                "" *TEDIT-INDENT-LINE-LENGTH* hanging-indent)
                                                                *eol-string*)
              (SETQ hanging-indent NIL))

```

(TEDIT-INDENT-FIND-BREAKPOINT

```

[LAMBDA (string max-length)                (* sml " 8-Sep-86 14:23")

  (* * Return the position to break string so that it will contain no more than max-length characters -
  if there is no whitespace before max-length characters, break it at the first whitespace after max-length)

  (LET [(white-space-chars (DEFERREDCONSTANT (MAKEBITTABLE (LIST (CHARCODE SPACE)
                                                                (CHARCODE TAB)
                                                                (CHARCODE EOL)
                                                                (OR (STRPOS white-space-chars string max-length NIL T)
                                                                    (STRPOS white-space-chars string max-length NIL NIL)
                                                                    (ADD1 (NCHARS string))

```

(TEDIT-INDENT-REPLACE-SELECTION

```

[LAMBDA (text-stream selection new-text)                (* sml " 8-Sep-86 17:44")

```

(* * Replace the given selection in the text stream with the new-text.
End up with the new-text selected.)

```
(LET ((start (fetch CH# of selection)))
  (TEDIT.SETSEL text-stream start (fetch DCH of selection)
    'LEFT T)
  (TEDIT.INSERT text-stream new-text)
  (TEDIT.SETSEL text-stream start (NCHARS new-text)
    'RIGHT])
```

(TEDIT-INDENT-SELECTION

[LAMBDA (text-stream explicit-paragraph-breaks?)

(* sml "21-Jan-87 16:00")

(* * Indent the current selection by prefacing each line with the value of *TEDIT-INDENT-STRING*, and inserting line breaks after each *TEDIT-INDENT-LINE-LENGTH* characters. -
If the flag *TEDIT-INDENT-KEEP-LINE-BREAKS* is false, existing line breaks in the current selection are removed.

-
This is intended to be used in Lafite, where one wants to indent a piece of a forwarded document, but can be used in any TEdit document)

```
(LET ((selection (TEDIT.GETSEL text-stream)))
  (TEDIT-INDENT-REPLACE-SELECTION
    text-stream selection
    (CONCATLIST (for string on (TEDIT-INDENT-SEPERATE-PARAGRAPHS (TEDIT.SEL.AS.STRING text-stream
      selection)
        explicit-paragraph-breaks?)
      bind [hanging-indent _ (AND (NOT (EQP (fetch CHAR1 of (CAR (fetch L1 of selection)))
        (fetch CH# of selection)))
        (DIFFERENCE (fetch CH# of selection)
          (fetch CHAR1 of (CAR (fetch L1 of selection)
            join (PROG1 (LIST (TEDIT-INDENT-ADD-INDENTATION (CAR string)
              *TEDIT-INDENT-STRING* *TEDIT-INDENT-LINE-LENGTH* hanging-indent
            )
              *eol-string*)
            (SETQ hanging-indent NIL]))
```

(TEDIT-INDENT-SELECTION-KEEPING-LINEBREAKS

[LAMBDA (text-stream)

(* sml "12-Sep-86 16:58")

(* * Indent the current selection, keeping current line breaks)

(TEDIT-INDENT-SELECTION text-stream T))

(TEDIT-INDENT-SEPERATE-PARAGRAPHS

[LAMBDA (string explicit-paragraph-breaks?)

(* sml "12-Sep-86 09:54")

(* * Return a list of strings, each comprising a seperate paragraph, that taken together make up the given string.

-
If explicit-paragraph-breaks? is true, paragraphs are delimited by <RETURN>'s, otherwise paragraphs are delimited by a change in indentation after the second line.)

```
(if (NOT (STRINGP string))
  then NIL
  elseif explicit-paragraph-breaks?
  then (TEDIT-INDENT-SEPERATE-LINES string NIL)
  else (TEDIT-INDENT-SEPERATE-PARAGRAPHS string NIL))
```

(TEDIT-INDENT-SET-INDENT

[LAMBDA (text-stream)

(* sml "12-Sep-86 17:09")

(* * Prompt the user for a new indentation string)

```
(LET* ((window (fetch \WINDOW of (TEXTOBJ text-stream)))
  (pwindow (if window
    then (GETPROMPTWINDOW (if (LISTP window)
      then (CAR window)
      else window))
    else PROMPTWINDOW)))
  (CLEARW pwindow)
  (SETQ *TEDIT-INDENT-STRING* (PROMPTFORWARD "New indent string: " *TEDIT-INDENT-STRING* NIL pwindow NIL
    NIL (LIST (CHARCODE EOL))
```

(TEDIT-INDENT-STRIP-INDENTATION

[LAMBDA (paragraph first-line-too?)

(* sml "15-Sep-86 17:03")

(* * Remove indentation from the given string)

```
(bind (string _ paragraph)
  (eol-pos _ 1) while (SETQ eol-pos (STRPOS *eol-string* string))
  do [SETQ string (if (EQP eol-pos (NCHARS string))
    then (SUBSTRING string 1 (SUB1 eol-pos))
    else (CONCAT (SUBSTRING string 1 (SUB1 eol-pos))
```

```

" "
(OR [SUBSTRING string (PLUS 1 eol-pos (\TEDIT-INDENT-COUNT-SPACES
string
(ADD1 eol-pos]
""]
finally (RETURN (if first-line-too?
then (OR (SUBSTRING string (ADD1 (\TEDIT-INDENT-COUNT-SPACES string 1)))
"")
else string])

```

(TEDIT-MAKE-LINES-EXPLICIT

[LAMBDA (text-stream)

(* sml "8-Sep-86 18:20")

(* * Take the current selection and replace all TEdit end-of-lines with explicit line breaks.

This is intended to be used in Lafite, where it is sometimes nice to know that anyone receiving the msg will see the same line breaks that you see. see, but can be used in any TEdit document)

```

(LET ((selection (TEDIT.GETSEL text-stream)))
[for i in (bind (this-line _ (CAR (fetch L1 of selection)))
[last-line _ (CAR (LAST (fetch LN of selection]
repeatuntil (PROGN (SETQ this-line (fetch NEXTLINE of this-line))
(EQ this-line last-line))
collect (fetch CHARLIM of this-line))
do (TEDIT.SETSEL text-stream i 1 'LEFT T)
(TEDIT.INSERT text-stream (CONSTANT (CHARACTER (CHARCODE EOL]
(TEDIT.SETSEL text-stream selection NIL 'RIGHT]))

```

(TEDIT-OPEN-LINE

[LAMBDA (text-stream)

(* sml "17-Sep-86 11:13")

(* * Open a new line at the current position.)

```

(LET ((selection (TEDIT.GETSEL text-stream)))
(TEDIT.INSERT text-stream (CONCAT *eol-string* (ALLOCSTRING [DIFFERENCE (fetch CH# of selection)
(fetch CHAR1
of (CAR (fetch L1 of selection]
" ")))
(if (ZEROP (fetch DCH of selection))
then (TEDIT.SETSEL text-stream selection]))

```

(TEDIT-REMOVE-INDENT

[LAMBDA (text-stream)

(* sml "15-Sep-86 17:03")

(* * Remove the indentation from the current selection)

```

(LET ((selection (TEDIT.GETSEL text-stream)))
(TEDIT-INDENT-REPLACE-SELECTION text-stream selection (CONCATLIST (for paragraph
in (
TEDIT-INDENT-SEPERATE-PARAGRAPHS
(TEDIT.SEL.AS.STRING
text-stream selection))
join (LIST (
TEDIT-INDENT-STRIP-INDENTATION
paragraph T)
*eol-string*]))

```

(\TEDIT-INDENT-COUNT-SPACES

[LAMBDA (string start-pos)

(* sml "12-Sep-86 14:29")

(* * Count the number of spaces following position start-pos in string)

```

(if (NOT (STRINGP string))
then 0
else (DIFFERENCE [for i from start-pos bind (max-pos _ (NCHARS string))
thereis (OR (GREATERP i max-pos)
(NOT (EQP (NTHCHARCODE string i)
(CHARCODE SPACE]
start-pos]))

```

(\TEDIT-INDENT-FIND-PARAGRAPH-END

[LAMBDA (string paragraph-indent after-pos)

(* sml "15-Sep-86 15:53")

(* * Find the end of paragraph that has the given indent and contains the given position in the string)

```

(LET [(eol-pos (STRPOS *eol-string* string (ADD1 after-pos]
(if (NULL eol-pos)
then (ADD1 (NCHARS string))
elseif (for i from (ADD1 after-pos) to (SUB1 eol-pos) always (EQP (CHARCODE SPACE)
(NTHCHARCODE string i)))
then after-pos
elseif (EQP eol-pos (NCHARS string))

```

```

    then eol-pos
  elseif (EQP paragraph-indent (\TEDIT-INDENT-COUNT-SPACES string (ADD1 eol-pos)))
    then (\TEDIT-INDENT-FIND-PARAGRAPH-END string paragraph-indent eol-pos)
  else eol-pos])

```

(\TEDIT-INDENT-SEPERATE-LINES

[LAMBDA (remaining-string current-lines)

(* sml "21-Jan-87 15:58")

(* Return a list of lines that make up the remaining-string, with the reverse of current-lines appended to the front)

```

(if (NOT (STRINGP remaining-string))
  then (OR (DREVERSE current-lines)
    (LIST ""))
  else (LET [(eol-pos (OR (STRPOS *eol-string* remaining-string)
    (ADD1 (NCHARS remaining-string))
    (\TEDIT-INDENT-SEPERATE-LINES (SUBSTRING remaining-string (ADD1 eol-pos))
    (CONS (OR (SUBSTRING remaining-string 1 (SUB1 eol-pos))
      "")
      current-lines])

```

(\TEDIT-INDENT-SEPERATE-PARAGRAPHS

[LAMBDA (string current-paragraphs)

(* sml "15-Sep-86 15:54")

(* Return a list of strings, each comprising a seperate paragraph, that taken together make up the given string.
Paragraphs are delimited by a change in indentation after the second line, or a blank line.)

```

(if (NOT (STRINGP string))
  then (DREVERSE current-paragraphs)
  else (LET ((eol-pos (STRPOS *eol-string* string)))
    (if (NULL eol-pos)
      then (DREVERSE (CONS string current-paragraphs))
      elseif (for i from 1 to (SUB1 eol-pos) always (EQP (CHARCODE SPACE)
        (NTHCHARCODE string i)))
        then (\TEDIT-INDENT-SEPERATE-PARAGRAPHS (SUBSTRING string (ADD1 eol-pos))
          (CONS "" current-paragraphs))
        elseif (EQP eol-pos (NCHARS string))
          then (DREVERSE (CONS string current-paragraphs))
        else (LET ((para-end-pos (\TEDIT-INDENT-FIND-PARAGRAPH-END string (\TEDIT-INDENT-COUNT-SPACES
          string
          (ADD1 eol-pos))
          eol-pos)))
          (\TEDIT-INDENT-SEPERATE-PARAGRAPHS (SUBSTRING string (ADD1 para-end-pos))
            (CONS (OR (SUBSTRING string 1 (SUB1 para-end-pos))
              "")
              current-paragraphs])

```

)

(RPAQ? *TEDIT-INDENT-STRING* (ALLOCSTRING 4 " "))

(RPAQ? *TEDIT-INDENT-LINE-LENGTH* 72)

(DECLARE%: EVAL@COMPILE

(RPAQ *eol-string* (CHARACTER (CHARCODE EOL)))

```

[CONSTANTS (*eol-string* (CHARACTER (CHARCODE EOL))
)

```

(DECLARE%: DOEVAL@COMPILE DONTCOPY

```

(GLOBALVARS *TEDIT-INDENT-STRING* *TEDIT-INDENT-LINE-LENGTH*
)

```

```

(OR (GETD 'TEDIT)
  (FILESLOAD TEDIT))

```

(TEDIT.REMOVE.MENUITEM TEDIT.DEFAULT.MENU 'Indent)

```

[TEDIT.ADD.MENUITEM TEDIT.DEFAULT.MENU ' (Indent 'TEDIT-INDENT-SELECTION "Indent the current selection"
  (SUBITEMS (Indent 'TEDIT-INDENT-SELECTION "Indent the current
    selection")
    ("Indent & keep lines"
      'TEDIT-INDENT-SELECTION-KEEPING-LINEBREAKS
      "Indent the current selection, keeping existing
      line breaks")
    ("Set indent" 'TEDIT-INDENT-SET-INDENT "Set the indent
      string to a new value")
    (Unindent 'TEDIT-REMOVE-INDENT "Remove one level of
      indentation from the current selection")
    ("Open line" 'TEDIT-OPEN-LINE "Open a blank line at the
      current position")
    ("Insert <RETURN>s" 'TEDIT-MAKE-LINES-EXPLICIT "Insert
      real <RETURN>s at the end of each line in the
      current selection")

```

{MEDLEY}<library>lafite>LAFITE-INDENT.;1

Page 6

("Break long lines" 'TEDIT-INDENT-BREAK-LONG-LINES
"Break long lines by inserting explicit
<RETURN>'s"]

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