COMMANDS

RUNOFF

Format: runoff path options

Purpose: To format documents for publication.

Input from path consists of text lines
interleaved with formatting request lines,
which are distinguished by an initial '.'.
Request lines are instructions to runoff,
text lines are data to be copied with
appropriate formatting to the output.

Lines beginning with blanks, and certain
other lines signify 'breaks', before which a
newline must issue, otherwise lines end only
when filled with words.

Four running titles are maintained for odd
and even pages, top and bottom. Each is set
by a pattern delimited by four quotes:

'part1'part2'part3'

Part1 is left justified, part2 centered, and
part3 right justified with respect to the
margins current when the title was set. Any %
sign in a title is replaced by the current
page number.

Options: nowait   suppress 'position paper' comment,
                      implied by file

           from n   start printing at page n

           to n   finish with page n

           device n   prepare output suitable for device
                      n, where n=37, 1050, 2741, 202
                      (printer). Default is current
                      console or 202 according as file is
                      off or on.

           file   create output file path.runoff
                      instead of printing directly

Requests: Mode setting requests all have initial
defaults. Missing n fields are taken as 1,
missing s fields as '''.

request	break	default	meaning
.ad	yes	yes	adjust right margin
.ar	no	yes	arabic page numbers
.bp	yes		begin page
.br	yes		break
.ce n	yes		center next n text lines
.ds	yes	no	double space
.ef s	no	s='''	even page foot
.eh s	no	s='''	even page head
.fi	yes	yes	fill output lines
.fo s	no	s='''	even and odd page foot
.he s	no	s='''	even and odd page head
.in n	no	n=0	indent margin n spaces
.li n	no		literal, next n input lines are all text
.ll n	no	n=60	line length including indent is n
.ma n	no	n=5	top and bottom margins are n>0 spaces including title
.na	yes	no	no right margin adjustment
.ne n	no		need n lines, 2n if double spaced, begin new page if not enough remain
.nf	yes	no	nofill, break after each input text line
.no	yes	no	synonym for .na
.of s	no	s='''	odd page foot
.oh s	no	s='''	odd page head
.op	yes		begin an odd page
.pa n	yes		begin page n
.pl n	no	n=56	paper length is n including top and bottom margins
.ro	no	no	roman page numbers
.sk n	no		skip n page numbers before next new page
.sp n	yes		space n lines
.ss	yes	yes	single space
.tr cd	no		translate nonblank character c into d on output, arbitrary cd pairs may follow
.un n	yes		unindent next text line n spaces left of current margin