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\looseness $[\langle number \rangle]$ parameter

This parameter gives you a way to change the total number of lines in a paragraph from what they optimally would be. \looseness is so named because it's a measure of how loose the paragraph is, i.e., how much extra space there is in it.

Normally, \looseness is 0 and TEX chooses line breaks in its usual way. But if \looseness is, say, 3, TEX does the following:

- 1) It chooses line breaks normally, resulting in a paragraph of n lines.
- 2) It discards these line breaks and tries to find a new set of line breaks that gives the paragraph n+3 lines. (Without the previous step, T_FX wouldn't know the value of n.)
- 3) If the previous attempt results in lines whose badness exceeds $\to1$ -erance, it tries to get n+2 lines—and if that also fails, n+1 lines, and finally n lines again.

Similarly, if looseness is -n, T_EX attempts to set the paragraph with n fewer lines than normal. The easiest way for T_EX to make a paragraph one line longer is to put a single word on the excess line. You can prevent this by putting a tie (p. '@not') between the last two words of the paragraph.

Setting \looseness is the best way to force a paragraph to occupy a given number of lines. Setting it to a negative value is useful when you're trying to increase the amount of text you can fit on a page. Similarly, setting it to a positive value is useful when you're trying to decrease the amount of text on a page.

TEX sets \looseness to 0 when it ends a paragraph, after breaking the paragraph into lines. If you want to change the looseness of several paragraphs, you must do it individually for each one or put the change into \everypar (p. '\everypar').