

894. When the following code is activated, the *line_break* procedure is in its second pass, and *cur_p* points to a glue node.

⟨ Try to hyphenate the following word 894 ⟩ ≡

begin *s* ← *link*(*cur_p*);

if *s* ≠ null **then**

begin ⟨ Skip to node *ha*, or **goto** *done1* if no hyphenation should be attempted 896 ⟩;

⟨ Skip to node *hb*, putting letters into *hu* and *hc* 897 ⟩;

⟨ Check that the nodes following *hb* permit hyphenation and that at least five letters have been found, otherwise **goto** *done1* 899 ⟩;

hyphenate;

end;

done1: **end**

This code is used in section 866.

895. ⟨ Declare subprocedures for *line_break* 826 ⟩ +≡

⟨ Declare the function called *reconstitute* 906 ⟩

procedure *hyphenate*;

label *done, found, not_found, found1, exit*;

var ⟨ Local variables for hyphenation 901 ⟩

begin ⟨ Find hyphen locations for the word in *hc* 923 ⟩;

⟨ If no hyphens were found, **return** 902 ⟩;

⟨ Replace nodes *ha* .. *hb* by a sequence of nodes that includes the discretionary hyphens 903 ⟩;

exit: **end**;

ASCII_code = 0 .. 127, §18.

cur_p: *pointer*, §828.

done = 30, §15.

done1 = 31, §15.

exit = 10, §15.

found = 40, §15.

found1 = 41, §15.

halfword = *min_halfword* ..

max_halfword, §113.

hyphen_char: **array**, §549.

internal_font_number = 0 .. *font_max*, §548.

lc_code = **macro**, §230.

line_break: **procedure**, §815.

link = **macro**, §118.

not_found = 45, §15.

null = **macro**, §115.

pointer = **macro**, §115.

reconstitute: **function**, §906.

s: *pointer*, §862.

small_number = 0 .. 63, §101.

uc_hyph = **macro**, §236.