

Program Title ROMAN 8 Character Set Lexfile
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Program Description (include equations) Lex file adds one keyword: ROMAN8\$. This is a string function of no parameters that returns the 768-byte string needed to define ROMAN 8 as the alternate character set with the HP-71 CHARSET command. To define ROMAN 8 as the alternate character set, simply execute:

CHARSET ROMAN8\$

The CHARSET command (explained in the HP-71 Reference Manual) allows the user to specify the display bit-patterns that are used to represent the characters 129-255 in the display. ROMAN8\$ supplies the bit-patterns for this character set.

The ROMAN 8 character set is supported by many printers and is a standard for foreign-language localization of American products.

While this lex file has no special memory requirements, consideration of memory usage is important. The overhead associated with string manipulation requires that 776 bytes be available whenever the ROMAN8\$ keyword is invoked. And in the worst

ROMAN8

Necessary Accessories None

Supported Accessories N/A

Operating limits and warnings None

File name(s) ROMAN8LX

Size of file(s) 850 bytes Additional RAM Requirement to run the program None

References _____

This program has been verified only with respect to the numerical example give in Program Description. User accepts and uses this program material AT HIS OWN RISK, in reliance solely upon his own inspection of the program material and without reliance upon any representation or description concerning the program material.

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71-00011

(Continuation Page)

case (if there is currently no alternate character set defined), executing CHARSET ROMAN8\$ will take up 772 additional bytes for the newly created charset buffer. So 1548 bytes is required for successful execution of CHARSET ROMAN8\$, although only 772 of those are permanently used. (The lex file does not have to stick around after the alternate character set is defined, although it is needed again if the ROMAN 8 character set is desired after the alternate character set has been redefined.)

