a				
r,	1-00011 PROGRAM DESCRIPTION	1 of 3		
Progra	m TitleROMAN 8 Character Set Lexfile			
Contri	outor Hewlett-Packard Company			
Addre	s1000 NE Circle Blvd			
City _	Corvallis State Oregon Country U.S.A. Display the Display Country U.S.A. Zip/Postal Code 97330			
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				
1	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			
	76 bytes be available whenever the ROMAN8\$ keyword is invoked. And in	the worst		
	ROMAN8			

None

N/A

None

Necessary Accessories _

Supported Accessories _

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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(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.)

SAMPLE PROBLEM

Sample Usage: CHARSET ROMAN8\$

ROMAN 8 CHARACTER SET

CHR\$(161)='A'	CHR\$(193)='é'	CHR\$(225)='A'
CHR\$(162)='A'	CHR\$(194)='ô'	CHR\$(226)='ã'
CHR\$(163)='È'	CHR\$(195)='û'	CHR\$(227)='0'
CHR\$(164)='E'	CHR\$(196)='a'	CHR\$(228)='d'
CHR\$(165)='Ë'	CHR\$(197)='é'	CHR\$(229)='1'
CHR\$(166)='1'	CHR\$(198)='6'	CHR\$(230)='1'
CHR\$(167)='Ï'	CHR\$(199)='ú'	CHR\$(231)='0'
CHR\$(168)='''	CHR\$(200)='a'	CHR\$(232)='0'
CHR\$(169)='''	CHR\$(201)='è'	CHR\$(233)='0'
CHR\$(170)=' \'	CHR\$(202)='6'	CHR\$(234)='5'
CHR\$(171)='"'	CHR\$(203)='ù'	CHR\$(235)='Š'
CHR\$(172)='~'	CHR\$(204)='a'	CHR\$(236)='s'
CHR\$(173)='ù'	CHR\$(205)='ë'	CHR\$(237)='Ú'
CHR\$(174)='Û'	CHR\$(206)='ö'	CHR\$(238)='Ÿ'
CHR\$(175)='£'	CHR\$(207)='ü'	CHR\$(239)='ÿ'
CHR\$(176)='-'	CHR\$(208)='A'	CHR\$(240)='P'
CHR\$(177)=' '	CHR\$(209)='i'	CHR\$(241)='b'
CHR\$(178)=' '	CHR\$(210)='Ø'	CHR\$(242)=' '
CHR\$(179)='"'	CHR\$(211)='f'	CHR\$(243)=' '
CHR\$(180)='Ç'	CHR\$(212)='å'	CHR\$(244)=' '
CHR\$(181)='ç'	CHRs(213)='i'	CHR\$(245)=1 1
CHR\$(182)='N'	CHR\$(214)='ø'	CHR\$(246)='-'
CHR\$(183)='ñ'	CHR\$(215)='a'	CHR\$(247)='\frac{1}{4}'
CHR\$(184)='i'	CHR\$(216)='A'	CHR\$(248)='\frac{1}{2}'
CHR\$(185)='¿'	CHR\$(217)='i'	CHR\$(249)='ª'
CHR\$(186)='\)'	CHR\$(218)='Ö'	CHR\$(250)='2'
CHR\$(187)='£'	CHR\$(219)='Ü'	CHR\$(251)='«'
CHR\$(188)='\pi'	CHR\$(220)='É'	CHR\$(252)='"
CHR\$(189)='&'	CHR\$(221)='i'	CHR\$(253)='%'
CHR\$(190)='f'	CHR\$(222)='β'	CHR\$(254)='±'
CHRs(191)='¢'	CHR\$(223)='0'	CHR\$(255)='
CHR\$(192)='a'	CHR\$(224)='A'	