

A.4.12 SMS/CBS 7-bit Hebrew Alphabet (0x12)

A.4.12.1 SMS/CBS 7-bit Hebrew Alphabet (0x12) base table

				b7	0	0	0	0	1	1	1	1
				b6	0	0	1	1	0	0	1	1
				b5	0	1	0	1	0	1	0	1
b4	b3	b2	b1		0	1	2	3	4	5	6	7
0	0	0	0	0	@ 0040	- 2212	SP 0020	0 0030		I 05DF		p 0070
0	0	0	1	1	£ 00A3	005F	! 0021	1 0031	κ 05D0	ι 05E0	a 0061	q 0071
0	0	1	0	2	\$ 0024	05B4	" 0022	2 0032	؂ 05D1	؂ 05E1	b 0062	r 0072
0	0	1	1	3	¥ 00A5	05B9	# 0023	3 0033	؂ 05D2	؂ 05E2	c 0063	s 0073
0	1	0	0	4	§ 00A7	05BA	€ 20AC	4 0034	؂ 05D3	؂ FB20	d 0064	t 0074
0	1	0	1	5	₪ 20AA	05BC	% 0025	5 0035	؂ 05D4	؂ 05E3	e 0065	u 0075
0	1	1	0	6	؂ 05BD	؂ 05C1	& 0026	6 0036	؂ 05D5	؂ 05E4	f 0066	v 0076
0	1	1	1	7	؂ 05B0	؂ 05C2	' 0027	7 0037	؂ 05D6	؂ 05E5	g 0067	w 0077
1	0	0	0	8	؂ 05B5	؂ 05B7	(0028	8 0038	؂ 05D7	؂ 05E6	h 0068	x 0078
1	0	0	1	9	؂ 05BB	؂ 05BF) 0029	9 0039	؂ 05D8	؂ 05E7	i 0069	y 0079
1	0	1	0	؂	LF 000A	؂ FB1E	*	:	:	؂ 05D9	j 05E8	z 006A
1	0	1	1	؂	SS2 05B6	؂ ----	+	;	؂ 05DA	؂ 05E9	k 006B	! FB1D
1	1	0	0	؂	؂ 05B1	؂ 05B8	,	< 002C	؂ 05DB	؂ 05EA	l 006C	؂ FB1F
1	1	0	1	؂	CR 000D	؂ 05C7	- 002D	= 003D	؂ 05DC	؂ 05F0	m 006D	؂ 05BE
1	1	1	0	؂	؂ 05B2	؂ 05F3	' 002E	> 003E	؂ 05DD	؂ 05F1	n 006E	RLM 200E
1	1	1	1	؂	؂ 05B3	؂ 05F4	" 002F	؟ 003F	؂ 05DE	؂ 05F2	o 006F	RLM 200F

In the event that an MS receives a code where a symbol is not represented in the above table then the MS shall display the REPLACEMENT CHARACTER (U+FFF0). Hebrew letters are displayed right-to-left.

Simplified Unicode bidi algorithm for SMS/CBS: Bidi AL must be handled as bidi R; all bidi EN and AN handled as L; all ET, ES, CS handled as ON, and 'paragraph direction' is always LTR, there are no bidi controls that span a text range. Bidi mirroring done *only* by using the data in BidiMirroring.txt.

LF: LINE FEED; moves to the next line (with implied carriage return).

CR: CARRIAGE RETURN; CR is not used as CR but is used as a filler after the actual SMS/CBS message text. CR should not occur inside a message text, but if it does, it must be converted to LF. Note though that <SS2,CR> is actually CSI (see next table), and that "CR" is not a filler, nor LF.

SS2: SINGLE SHIFT TWO; This code shifts the next 7-bit code unit to refer to an extension of this table (subclause A.4.11.2).

When splitting a message text into submessages, there must be no cut right after an SS2.

LRM,RLM These should only be used to get the desired 'bidi directionality' of initially 'bidi neutral' symbols in case of *bidi directional change* around the symbol, to get the desired (readable!) display order. While zero-width, these should have visible glyphs; like a narrow bar with a 'flag' indicating direction.

A.4.12.2 SMS/CBS 7-bit Hebrew Alphabet (0x12) extension (SS2) table

				b7	0	0	0	0	1	1	1	1
				b6	0	0	1	1	0	0	1	1
				b5	0	1	0	1	0	1	0	1
b4	b3	b2	b1	1B	0	1	2	3	4	5	6	7
0	0	0	0	0	ף FB21	ם FB2A	ב FB39	ת FB44	ל 007C	P 0050	¼ 00BC	⚠ 26A0
0	0	0	1	1	ת FB22	ש FB2B	ג FB3A	ץ FB46	A 0041	Q 0051	½ 00BD	∞ 221E
0	0	1	0	2	נ FB23	ע FB2C	כ FB3B	ר FB47	B 0042	R 0052	¾ 00BE	² 00B2
0	0	1	1	3	כ FB24	ש FB2D	ל FB3C	ג FB48	C 0043	S 0053	" 201C	³ 00B3
0	1	0	0	4	ל FB25	ׁ 005E	ׂ FB3E	ׁ FB49	D 0044	T 0054	" 201D	
0	1	0	1	5	ׂ FB26	ׁ FB2E	ׁ FB40	ׁ FB4A	E 0045	U 0055	ׂ 00A4	
0	1	1	0	6	ׁ FB27	ׁ FB2F	ׁ FB41	ׁ FB4B	F 0046	V 0056	ׁ 03A9	
0	1	1	1	7	ׁ FB28	ׁ FB30	ׁ FB43	ׁ FB4C	G 0047	W 0057	ׁ 03BC	
1	0	0	0	8	ׁ FB4F	ׁ FB31	{ 007B	ׁ FB4D	H 0048	X 0058	ׁ 00B0	
1	0	0	1	9		ׁ FB32	} 007D	ׁ FB4E	I 0049	Y 0059	ׁ 00D7	
1	0	1	0	A	FF 000C	ׁ FB33	ׁ FB29	ׁ 2248	J 004A	Z 005A	ׁ 00F7	
1	0	1	1	B		SS3 ----		ׁ 2260	K 004B		ׁ 00B1	
1	1	0	0	C		ׁ FB34		[005B	L 004C		ׁ 2030	
1	1	0	1	D	CSI 009B	ׁ FB35	ׁ < 2A7D	ׁ ~ 007E	M 004D	ׁ 05C3	ׁ 00AB	
1	1	1	0	E	ׁ 05EF	ׁ FB36	ׁ ≥ 2A7E	ׁ] 005D	N 004E	ׁ 05C0	ׁ » 00BB	
1	1	1	1	F		ׁ FB38	ׁ \ 005C	ׁ . 00B7	O 004F	ׁ 05C6	ׁ , 2019	

In the event that an MS receives a code where a symbol is not represented in the above table then the MS shall display the REPLACEMENT CHARACTER (U+FFFD). The precomposed letter with vowel are included here not just for Yiddish, but because the Unicode normalisation NFC will create them from the decomposed form.

FF: FORM FEED; This code is defined as a Page Break character (with implied carriage return). Any mobile station which does not have pagination shall treat it as a LF (with implied carriage return).

CSI: PUBLIC STATION WHICH DOES NOT HAVE PAGINATION SHALL TREAT IT AS A LF (WITH IMPLIED CARRIAGE RETURN). CONTROL SEQUENCE INTRODUCER; ENABLES DECIMAL CHARACTER REFERENCES, ENABLES STYLING. AN MS WHICH DOES NOT SUPPORT CSI SHALL CONVERT IT TO REPLACEMENT CHARACTER.

SS3: SINGLE SHIFT THREE; This code is reserved for the extension to another extension table. When splitting a message text into submessages, there must be no cut right after an SS3.