

# xdotool list of key codes

This is the list of key codes for Xdotool commands.

Scraped using a 1-minute regex ( `r"#define XK_(\w*)\s*(\w*) (?:\s*\/*\s*(.*)\s*\/*)*"` ) and a Python script from this file: <https://cgit.freedesktop.org/xorg/proto/x11proto/plain/keysymdef.h>

Use Ctrl+F. You **will** need it.

BackSpace	0xff08	Back space, back char
Tab	0xff09	-
Linefeed	0xff0a	Linefeed, LF
Clear	0xff0b	-
Return	0xff0d	Return, enter
Pause	0xff13	Pause, hold
Scroll_Lock	0xff14	-
Sys_Req	0xff15	-
Escape	0xff1b	-
Delete	0xffff	International & multi-key character composition
Multi_key	0xff20	Multi-key character compose
Codeinput	0xff37	-
SingleCandidate	0xff3c	-
MultipleCandidate	0xff3d	-
PreviousCandidate	0xff3e	Japanese keyboard support
Kanji	0xff21	Kanji, Kanji convert
Muhenkan	0xff22	Cancel Conversion
Henkan_Mode	0xff23	Start/Stop Conversion
Henkan	0xff23	Alias for Henkan_Mode
Romaji	0xff24	to Romaji
Hiragana	0xff25	to Hiragana
Katakana	0xff26	to Katakana
Hiragana_Katakana	0xff27	Hiragana/Katakana toggle
Zenkaku	0xff28	to Zenkaku
Hankaku	0xff29	to Hankaku
Zenkaku_Hankaku	0xff2a	Zenkaku/Hankaku toggle
Touroku	0xff2b	Add to Dictionary
Massyo	0xff2c	Delete from Dictionary
Kana_Lock	0xff2d	Kana Lock
Kana_Shift	0xff2e	Kana Shift

Eisu_Shift	0xff2f	Alphanumeric Shift
Eisu_toggle	0xff30	Alphanumeric toggle
Kanji_Bangou	0xff37	Codeinput
Zen_Koho	0xff3d	Multiple/All Candidate(s)
Mae_Koho	0xff3e	Cursor control & motion
Home	0xff50	-
Left	0xff51	Move left, left arrow
Up	0xff52	Move up, up arrow
Right	0xff53	Move right, right arrow
Down	0xff54	Move down, down arrow
Prior	0xff55	Prior, previous
Page_Up	0xff55	-
Next	0xff56	Next
Page_Down	0xff56	-
End	0xff57	EOL
Begin	0xff58	Misc functions
Select	0xff60	Select, mark
Print	0xff61	-
Execute	0xff62	Execute, run, do
Insert	0xff63	Insert, insert here
Undo	0xff65	-
Redo	0xff66	Redo, again
Menu	0xff67	-
Find	0xff68	Find, search
Cancel	0xff69	Cancel, stop, abort, exit
Help	0xff6a	Help
Break	0xff6b	-
Mode_switch	0xff7e	Character set switch
script_switch	0xff7e	Alias for mode_switch
Num_Lock	0xff7f	Keypad functions, keypad numbers cleverly chosen to map to ASCII
KP_Space	0xff80	Space
KP_Tab	0xff89	-
KP_Enter	0xff8d	Enter
KP_F1	0xff91	PF1, KP_A, ...
KP_F2	0xff92	-
KP_F3	0xff93	-

KP_F4	0xff94	-
KP_Home	0xff95	-
KP_Left	0xff96	-
KP_Up	0xff97	-
KP_Right	0xff98	-
KP_Down	0xff99	-
KP_Prior	0xff9a	-
KP_Page_Up	0xff9a	-
KP_Next	0xff9b	-
KP_Page_Down	0xff9b	-
KP_End	0xff9c	-
KP_Begin	0xff9d	-
KP_Insert	0xff9e	-
KP_Delete	0xff9f	-
KP_Equal	0xffbd	Equals
KP_Multiply	0xffaa	-
KP_Add	0xffab	-
KP_Separator	0xffac	Separator, often comma
KP_Subtract	0xffad	-
KP_Decimal	0xffae	-
KP_Divide	0xffaf	-
KP_0	0xffb0	-
KP_1	0xffb1	-
KP_2	0xffb2	-
KP_3	0xffb3	-
KP_4	0xffb4	-
KP_5	0xffb5	-
KP_6	0xffb6	-
KP_7	0xffb7	-
KP_8	0xffb8	-
KP_9	0xffb9	-
F1	0xffbe	-
F2	0xffbf	-
F3	0xffc0	-
F4	0xffc1	-
F5	0xffc2	-

F6	0xffc3	-
F7	0xffc4	-
F8	0xffc5	-
F9	0xffc6	-
F10	0xffc7	-
F11	0xffc8	-
L1	0xffc8	-
F12	0xffc9	-
L2	0xffc9	-
F13	0xffca	-
L3	0xffca	-
F14	0xffcb	-
L4	0xffcb	-
F15	0xffcc	-
L5	0xffcc	-
F16	0xffcd	-
L6	0xffcd	-
F17	0xffce	-
L7	0xffce	-
F18	0xffcf	-
L8	0xffcf	-
F19	0xffd0	-
L9	0xffd0	-
F20	0xffd1	-
L10	0xffd1	-
F21	0xffd2	-
R1	0xffd2	-
F22	0xffd3	-
R2	0xffd3	-
F23	0xffd4	-
R3	0xffd4	-
F24	0xffd5	-
R4	0xffd5	-
F25	0xffd6	-
R5	0xffd6	-
F26	0xffd7	-

R6	0xffd7	-
F27	0xffd8	-
R7	0xffd8	-
F28	0xffd9	-
R8	0xffd9	-
F29	0xffda	-
R9	0xffda	-
F30	0xffdb	-
R10	0xffdb	-
F31	0xffdc	-
R11	0xffdc	-
F32	0xffdd	-
R12	0xffdd	-
F33	0xffde	-
R13	0xffde	-
F34	0xffdf	-
R14	0xffdf	-
F35	0xffe0	-
R15	0xffe0	Modifiers
Shift_L	0xffe1	Left shift
Shift_R	0xffe2	Right shift
Control_L	0xffe3	Left control
Control_R	0xffe4	Right control
Caps_Lock	0xffe5	Caps lock
Shift_Lock	0xffe6	Shift lock
Meta_L	0xffe7	Left meta
Meta_R	0xffe8	Right meta
Alt_L	0xffe9	Left alt
Alt_R	0xffea	Right alt
Super_L	0xffeb	Left super
Super_R	0xffec	Right super
Hyper_L	0xffed	Left hyper
Hyper_R	0xffee	Right hyper
ISO_Lock	0xfe01	-
ISO_Level2_Latch	0xfe02	-
ISO_Level3_Shift	0xfe03	-

ISO_Level3_Latch	0xfe04	-
ISO_Level3_Lock	0xfe05	-
ISO_Level5_Shift	0xfe11	-
ISO_Level5_Latch	0xfe12	-
ISO_Level5_Lock	0xfe13	-
ISO_Group_Shift	0xff7e	Alias for mode_switch
ISO_Group_Latch	0xfe06	-
ISO_Group_Lock	0xfe07	-
ISO_Next_Group	0xfe08	-
ISO_Next_Group_Lock	0xfe09	-
ISO_Prev_Group	0xfe0a	-
ISO_Prev_Group_Lock	0xfe0b	-
ISO_First_Group	0xfe0c	-
ISO_First_Group_Lock	0xfe0d	-
ISO_Last_Group	0xfe0e	-
ISO_Last_Group_Lock	0xfe0f	-
ISO_Left_Tab	0xfe20	-
ISO_Move_Line_Up	0xfe21	-
ISO_Move_Line_Down	0xfe22	-
ISO_Partial_Line_Up	0xfe23	-
ISO_Partial_Line_Down	0xfe24	-
ISO_Partial_Space_Left	0xfe25	-
ISO_Partial_Space_Right	0xfe26	-
ISO_Set_Margin_Left	0xfe27	-
ISO_Set_Margin_Right	0xfe28	-
ISO_Release_Margin_Left	0xfe29	-
ISO_Release_Margin_Right	0xfe2a	-
ISO_Release_Both_Margins	0xfe2b	-
ISO_Fast_Cursor_Left	0xfe2c	-
ISO_Fast_Cursor_Right	0xfe2d	-
ISO_Fast_Cursor_Up	0xfe2e	-
ISO_Fast_Cursor_Down	0xfe2f	-
ISO_Continuous_Underline	0xfe30	-
ISO_Discontinuous_Underline	0xfe31	-
ISO_Emphasize	0xfe32	-
ISO_Center_Object	0xfe33	-

ISO_Enter	0xfe34	-
dead_grave	0xfe50	-
dead_acute	0xfe51	-
dead_circumflex	0xfe52	-
dead_tilde	0xfe53	-
dead_perispomeni	0xfe53	alias for dead_tilde
dead_macron	0xfe54	-
dead_breve	0xfe55	-
dead_abovedot	0xfe56	-
dead_diaeresis	0xfe57	-
dead_abovering	0xfe58	-
dead_doubleacute	0xfe59	-
dead_caron	0xfe5a	-
dead_cedilla	0xfe5b	-
dead_ogonek	0xfe5c	-
dead_iota	0xfe5d	-
dead_voiced_sound	0xfe5e	-
dead_semivoiced_sound	0xfe5f	-
dead_belowdot	0xfe60	-
dead_hook	0xfe61	-
dead_horn	0xfe62	-
dead_stroke	0xfe63	-
dead_abovecomma	0xfe64	-
dead_psili	0xfe64	alias for dead_abovecomma
dead_abovereversedcomma	0xfe65	-
dead_dasia	0xfe65	alias for dead_abovereversedcomma
dead_doublegrave	0xfe66	-
dead_belowring	0xfe67	-
dead_belowmacron	0xfe68	-
dead_belowcircumflex	0xfe69	-
dead_belowtilde	0xfe6a	-
dead_belowbreve	0xfe6b	-
dead_belowdiaeresis	0xfe6c	-
dead_invertedbreve	0xfe6d	-
dead_belowcomma	0xfe6e	-
dead_currency	0xfe6f	extra dead elements for German T3 layout

dead_lowline	0xfe90	-
dead_aboveverticalline	0xfe91	-
dead_belowverticalline	0xfe92	-
dead_longsolidusoverlay	0xfe93	dead vowels for universal syllable entry
dead_a	0xfe80	-
dead_A	0xfe81	-
dead_e	0xfe82	-
dead_E	0xfe83	-
dead_i	0xfe84	-
dead_I	0xfe85	-
dead_o	0xfe86	-
dead_O	0xfe87	-
dead_u	0xfe88	-
dead_U	0xfe89	-
dead_small_schwa	0xfe8a	-
dead_capital_schwa	0xfe8b	-
dead_greek	0xfe8c	-
First_Virtual_Screen	0xfed0	-
Prev_Virtual_Screen	0xfed1	-
Next_Virtual_Screen	0xfed2	-
Last_Virtual_Screen	0xfed4	-
Terminate_Server	0xfed5	-
AccessX_Enable	0xfe70	-
AccessX_Feedback_Enable	0xfe71	-
RepeatKeys_Enable	0xfe72	-
SlowKeys_Enable	0xfe73	-
BounceKeys_Enable	0xfe74	-
StickyKeys_Enable	0xfe75	-
MouseKeys_Enable	0xfe76	-
MouseKeys_Accel_Enable	0xfe77	-
Overlay1_Enable	0xfe78	-
Overlay2_Enable	0xfe79	-
AudibleBell_Enable	0xfe7a	-
Pointer_Left	0xfee0	-
Pointer_Right	0xfee1	-
Pointer_Up	0xfee2	-



Pointer_Down	0xfee3	-
Pointer_UpLeft	0xfee4	-
Pointer_UpRight	0xfee5	-
Pointer_DownLeft	0xfee6	-
Pointer_DownRight	0xfee7	-
Pointer_Button_Dflt	0xfee8	-
Pointer_Button1	0xfee9	-
Pointer_Button2	0xfeea	-
Pointer_Button3	0xfeeb	-
Pointer_Button4	0xfeec	-
Pointer_Button5	0xfeed	-
Pointer_DblClick_Dflt	0xfeee	-
Pointer_DblClick1	0xfeef	-
Pointer_DblClick2	0xfef0	-
Pointer_DblClick3	0xfef1	-
Pointer_DblClick4	0xfef2	-
Pointer_DblClick5	0xfef3	-
Pointer_Drag_Dflt	0xfef4	-
Pointer_Drag1	0xfef5	-
Pointer_Drag2	0xfef6	-
Pointer_Drag3	0xfef7	-
Pointer_Drag4	0xfef8	-
Pointer_Drag5	0xfefd	-
Pointer_EnableKeys	0xfef9	-
Pointer_Accelerate	0xfefa	-
Pointer_DfltBtnNext	0xfefb	-
Pointer_DfltBtnPrev	0xfefc	Single-Stroke Multiple-Character N-Graph Keysyms For The X Input Method
ch	0xfea0	-
Ch	0xfea1	-
CH	0xfea2	-
c_h	0xfea3	-
C_h	0xfea4	-
C_H	0xfea5	-
3270_Duplicate	0xfd01	-
3270_FieldMark	0xfd02	-
3270_Right2	0xfd03	-

3270_Left2	0xfd04	-
3270_BackTab	0xfd05	-
3270_EraseEOF	0xfd06	-
3270_EraseInput	0xfd07	-
3270_Reset	0xfd08	-
3270_Quit	0xfd09	-
3270_PA1	0xfd0a	-
3270_PA2	0xfd0b	-
3270_PA3	0xfd0c	-
3270_Test	0xfd0d	-
3270_Attn	0xfd0e	-
3270_CursorBlink	0xfd0f	-
3270_AltCursor	0xfd10	-
3270_KeyClick	0xfd11	-
3270_Jump	0xfd12	-
3270_Ident	0xfd13	-
3270_Rule	0xfd14	-
3270_Copy	0xfd15	-
3270_Play	0xfd16	-
3270_Setup	0xfd17	-
3270_Record	0xfd18	-
3270_ChangeScreen	0xfd19	-
3270_DeleteWord	0xfd1a	-
3270_ExSelect	0xfd1b	-
3270_CursorSelect	0xfd1c	-
3270_PrintScreen	0xfd1d	-
3270_Enter	0xfd1e	-
space	0x0020	U+0020 SPACE
exclam	0x0021	U+0021 EXCLAMATION MARK
quotedbl	0x0022	U+0022 QUOTATION MARK
numbersign	0x0023	U+0023 NUMBER SIGN
dollar	0x0024	U+0024 DOLLAR SIGN
percent	0x0025	U+0025 PERCENT SIGN
ampersand	0x0026	U+0026 AMPERSAND
apostrophe	0x0027	U+0027 APOSTROPHE
quoteright	0x0027	deprecated

parenleft	0x0028	U+0028 LEFT PARENTHESIS
parenright	0x0029	U+0029 RIGHT PARENTHESIS
asterisk	0x002a	U+002A ASTERISK
plus	0x002b	U+002B PLUS SIGN
comma	0x002c	U+002C COMMA
minus	0x002d	U+002D HYPHEN-MINUS
period	0x002e	U+002E FULL STOP
slash	0x002f	U+002F SOLIDUS
0	0x0030	U+0030 DIGIT ZERO
1	0x0031	U+0031 DIGIT ONE
2	0x0032	U+0032 DIGIT TWO
3	0x0033	U+0033 DIGIT THREE
4	0x0034	U+0034 DIGIT FOUR
5	0x0035	U+0035 DIGIT FIVE
6	0x0036	U+0036 DIGIT SIX
7	0x0037	U+0037 DIGIT SEVEN
8	0x0038	U+0038 DIGIT EIGHT
9	0x0039	U+0039 DIGIT NINE
colon	0x003a	U+003A COLON
semicolon	0x003b	U+003B SEMICOLON
less	0x003c	U+003C LESS-THAN SIGN
equal	0x003d	U+003D EQUALS SIGN
greater	0x003e	U+003E GREATER-THAN SIGN
question	0x003f	U+003F QUESTION MARK
at	0x0040	U+0040 COMMERCIAL AT
A	0x0041	U+0041 LATIN CAPITAL LETTER A
B	0x0042	U+0042 LATIN CAPITAL LETTER B
C	0x0043	U+0043 LATIN CAPITAL LETTER C
D	0x0044	U+0044 LATIN CAPITAL LETTER D
E	0x0045	U+0045 LATIN CAPITAL LETTER E
F	0x0046	U+0046 LATIN CAPITAL LETTER F
G	0x0047	U+0047 LATIN CAPITAL LETTER G
H	0x0048	U+0048 LATIN CAPITAL LETTER H
I	0x0049	U+0049 LATIN CAPITAL LETTER I
J	0x004a	U+004A LATIN CAPITAL LETTER J
K	0x004b	U+004B LATIN CAPITAL LETTER K

L	0x004c	U+004C LATIN CAPITAL LETTER L
M	0x004d	U+004D LATIN CAPITAL LETTER M
N	0x004e	U+004E LATIN CAPITAL LETTER N
O	0x004f	U+004F LATIN CAPITAL LETTER O
P	0x0050	U+0050 LATIN CAPITAL LETTER P
Q	0x0051	U+0051 LATIN CAPITAL LETTER Q
R	0x0052	U+0052 LATIN CAPITAL LETTER R
S	0x0053	U+0053 LATIN CAPITAL LETTER S
T	0x0054	U+0054 LATIN CAPITAL LETTER T
U	0x0055	U+0055 LATIN CAPITAL LETTER U
V	0x0056	U+0056 LATIN CAPITAL LETTER V
W	0x0057	U+0057 LATIN CAPITAL LETTER W
X	0x0058	U+0058 LATIN CAPITAL LETTER X
Y	0x0059	U+0059 LATIN CAPITAL LETTER Y
Z	0x005a	U+005A LATIN CAPITAL LETTER Z
bracketleft	0x005b	U+005B LEFT SQUARE BRACKET
backslash	0x005c	U+005C REVERSE SOLIDUS
bracketright	0x005d	U+005D RIGHT SQUARE BRACKET
asciicircum	0x005e	U+005E CIRCUMFLEX ACCENT
underscore	0x005f	U+005F LOW LINE
grave	0x0060	U+0060 GRAVE ACCENT
quoteleft	0x0060	deprecated
a	0x0061	U+0061 LATIN SMALL LETTER A
b	0x0062	U+0062 LATIN SMALL LETTER B
c	0x0063	U+0063 LATIN SMALL LETTER C
d	0x0064	U+0064 LATIN SMALL LETTER D
e	0x0065	U+0065 LATIN SMALL LETTER E
f	0x0066	U+0066 LATIN SMALL LETTER F
g	0x0067	U+0067 LATIN SMALL LETTER G
h	0x0068	U+0068 LATIN SMALL LETTER H
i	0x0069	U+0069 LATIN SMALL LETTER I
j	0x006a	U+006A LATIN SMALL LETTER J
k	0x006b	U+006B LATIN SMALL LETTER K
l	0x006c	U+006C LATIN SMALL LETTER L
m	0x006d	U+006D LATIN SMALL LETTER M
n	0x006e	U+006E LATIN SMALL LETTER N

o	0x006f	U+006F LATIN SMALL LETTER O
p	0x0070	U+0070 LATIN SMALL LETTER P
q	0x0071	U+0071 LATIN SMALL LETTER Q
r	0x0072	U+0072 LATIN SMALL LETTER R
s	0x0073	U+0073 LATIN SMALL LETTER S
t	0x0074	U+0074 LATIN SMALL LETTER T
u	0x0075	U+0075 LATIN SMALL LETTER U
v	0x0076	U+0076 LATIN SMALL LETTER V
w	0x0077	U+0077 LATIN SMALL LETTER W
x	0x0078	U+0078 LATIN SMALL LETTER X
y	0x0079	U+0079 LATIN SMALL LETTER Y
z	0x007a	U+007A LATIN SMALL LETTER Z
braceleft	0x007b	U+007B LEFT CURLY BRACKET
bar	0x007c	U+007C VERTICAL LINE
braceright	0x007d	U+007D RIGHT CURLY BRACKET
asciitilde	0x007e	U+007E TILDE
nobreakspace	0x00a0	U+00A0 NO-BREAK SPACE
exclamdown	0x00a1	U+00A1 INVERTED EXCLAMATION MARK
cent	0x00a2	U+00A2 CENT SIGN
sterling	0x00a3	U+00A3 POUND SIGN
currency	0x00a4	U+00A4 CURRENCY SIGN
yen	0x00a5	U+00A5 YEN SIGN
brokenbar	0x00a6	U+00A6 BROKEN BAR
section	0x00a7	U+00A7 SECTION SIGN
diaeresis	0x00a8	U+00A8 DIAERESIS
copyright	0x00a9	U+00A9 COPYRIGHT SIGN
ordfeminine	0x00aa	U+00AA FEMININE ORDINAL INDICATOR
guillemotleft	0x00ab	U+00AB LEFT-POINTING DOUBLE ANGLE QUOTATION MARK
notsign	0x00ac	U+00AC NOT SIGN
hyphen	0x00ad	U+00AD SOFT HYPHEN
registered	0x00ae	U+00AE REGISTERED SIGN
macron	0x00af	U+00AF MACRON
degree	0x00b0	U+00B0 DEGREE SIGN
plusminus	0x00b1	U+00B1 PLUS-MINUS SIGN
twosuperior	0x00b2	U+00B2 SUPERScript TWO
threesuperior	0x00b3	U+00B3 SUPERScript THREE

acute	0x00b4	U+00B4 ACUTE ACCENT
mu	0x00b5	U+00B5 MICRO SIGN
paragraph	0x00b6	U+00B6 PILCROW SIGN
periodcentered	0x00b7	U+00B7 MIDDLE DOT
cedilla	0x00b8	U+00B8 CEDILLA
onesuperior	0x00b9	U+00B9 SUPERScript ONE
masculine	0x00ba	U+00BA MASCULINE ORDINAL INDICATOR
guillemotright	0x00bb	U+00BB RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK
onequarter	0x00bc	U+00BC VULGAR FRACTION ONE QUARTER
onehalf	0x00bd	U+00BD VULGAR FRACTION ONE HALF
threequarters	0x00be	U+00BE VULGAR FRACTION THREE QUARTERS
questiondown	0x00bf	U+00BF INVERTED QUESTION MARK
Agrave	0x00c0	U+00C0 LATIN CAPITAL LETTER A WITH GRAVE
Aacute	0x00c1	U+00C1 LATIN CAPITAL LETTER A WITH ACUTE
Acircumflex	0x00c2	U+00C2 LATIN CAPITAL LETTER A WITH CIRCUMFLEX
Atilde	0x00c3	U+00C3 LATIN CAPITAL LETTER A WITH TILDE
Adiaeresis	0x00c4	U+00C4 LATIN CAPITAL LETTER A WITH DIAERESIS
Aring	0x00c5	U+00C5 LATIN CAPITAL LETTER A WITH RING ABOVE
AE	0x00c6	U+00C6 LATIN CAPITAL LETTER AE
Ccedilla	0x00c7	U+00C7 LATIN CAPITAL LETTER C WITH CEDILLA
Egrave	0x00c8	U+00C8 LATIN CAPITAL LETTER E WITH GRAVE
Eacute	0x00c9	U+00C9 LATIN CAPITAL LETTER E WITH ACUTE
Ecircumflex	0x00ca	U+00CA LATIN CAPITAL LETTER E WITH CIRCUMFLEX
Ediaeresis	0x00cb	U+00CB LATIN CAPITAL LETTER E WITH DIAERESIS
Igrave	0x00cc	U+00CC LATIN CAPITAL LETTER I WITH GRAVE
Iacute	0x00cd	U+00CD LATIN CAPITAL LETTER I WITH ACUTE
Icircumflex	0x00ce	U+00CE LATIN CAPITAL LETTER I WITH CIRCUMFLEX
Idiaeresis	0x00cf	U+00CF LATIN CAPITAL LETTER I WITH DIAERESIS
ETH	0x00d0	U+00D0 LATIN CAPITAL LETTER ETH
Eth	0x00d0	deprecated
Ntilde	0x00d1	U+00D1 LATIN CAPITAL LETTER N WITH TILDE
Ograve	0x00d2	U+00D2 LATIN CAPITAL LETTER O WITH GRAVE
Oacute	0x00d3	U+00D3 LATIN CAPITAL LETTER O WITH ACUTE
Ocircumflex	0x00d4	U+00D4 LATIN CAPITAL LETTER O WITH CIRCUMFLEX
Otilde	0x00d5	U+00D5 LATIN CAPITAL LETTER O WITH TILDE
Odiaeresis	0x00d6	U+00D6 LATIN CAPITAL LETTER O WITH DIAERESIS

multiply	0x00d7	U+00D7 MULTIPLICATION SIGN
Oslash	0x00d8	U+00D8 LATIN CAPITAL LETTER O WITH STROKE
Ooblique	0x00d8	U+00D8 LATIN CAPITAL LETTER O WITH STROKE
Ugrave	0x00d9	U+00D9 LATIN CAPITAL LETTER U WITH GRAVE
Uacute	0x00da	U+00DA LATIN CAPITAL LETTER U WITH ACUTE
Ucircumflex	0x00db	U+00DB LATIN CAPITAL LETTER U WITH CIRCUMFLEX
Udiaeresis	0x00dc	U+00DC LATIN CAPITAL LETTER U WITH DIAERESIS
Yacute	0x00dd	U+00DD LATIN CAPITAL LETTER Y WITH ACUTE
THORN	0x00de	U+00DE LATIN CAPITAL LETTER THORN
Thorn	0x00de	deprecated
ssharp	0x00df	U+00DF LATIN SMALL LETTER SHARP S
agrave	0x00e0	U+00E0 LATIN SMALL LETTER A WITH GRAVE
aacute	0x00e1	U+00E1 LATIN SMALL LETTER A WITH ACUTE
acircumflex	0x00e2	U+00E2 LATIN SMALL LETTER A WITH CIRCUMFLEX
atilde	0x00e3	U+00E3 LATIN SMALL LETTER A WITH TILDE
adiaeresis	0x00e4	U+00E4 LATIN SMALL LETTER A WITH DIAERESIS
aring	0x00e5	U+00E5 LATIN SMALL LETTER A WITH RING ABOVE
ae	0x00e6	U+00E6 LATIN SMALL LETTER AE
ccedilla	0x00e7	U+00E7 LATIN SMALL LETTER C WITH CEDILLA
egrave	0x00e8	U+00E8 LATIN SMALL LETTER E WITH GRAVE
eacute	0x00e9	U+00E9 LATIN SMALL LETTER E WITH ACUTE
ecircumflex	0x00ea	U+00EA LATIN SMALL LETTER E WITH CIRCUMFLEX
ediaeresis	0x00eb	U+00EB LATIN SMALL LETTER E WITH DIAERESIS
igrave	0x00ec	U+00EC LATIN SMALL LETTER I WITH GRAVE
iacute	0x00ed	U+00ED LATIN SMALL LETTER I WITH ACUTE
icircumflex	0x00ee	U+00EE LATIN SMALL LETTER I WITH CIRCUMFLEX
idiaeresis	0x00ef	U+00EF LATIN SMALL LETTER I WITH DIAERESIS
eth	0x00f0	U+00F0 LATIN SMALL LETTER ETH
ntilde	0x00f1	U+00F1 LATIN SMALL LETTER N WITH TILDE
ograve	0x00f2	U+00F2 LATIN SMALL LETTER O WITH GRAVE
oacute	0x00f3	U+00F3 LATIN SMALL LETTER O WITH ACUTE
ocircumflex	0x00f4	U+00F4 LATIN SMALL LETTER O WITH CIRCUMFLEX
otilde	0x00f5	U+00F5 LATIN SMALL LETTER O WITH TILDE
odiaeresis	0x00f6	U+00F6 LATIN SMALL LETTER O WITH DIAERESIS
division	0x00f7	U+00F7 DIVISION SIGN
oslash	0x00f8	U+00F8 LATIN SMALL LETTER O WITH STROKE

ooblique	0x00f8	U+00F8 LATIN SMALL LETTER O WITH STROKE
ugrave	0x00f9	U+00F9 LATIN SMALL LETTER U WITH GRAVE
uacute	0x00fa	U+00FA LATIN SMALL LETTER U WITH ACUTE
ucircumflex	0x00fb	U+00FB LATIN SMALL LETTER U WITH CIRCUMFLEX
udiaeresis	0x00fc	U+00FC LATIN SMALL LETTER U WITH DIAERESIS
yacute	0x00fd	U+00FD LATIN SMALL LETTER Y WITH ACUTE
thorn	0x00fe	U+00FE LATIN SMALL LETTER THORN
ydiaeresis	0x00ff	U+00FF LATIN SMALL LETTER Y WITH DIAERESIS
Aogonek	0x01a1	U+0104 LATIN CAPITAL LETTER A WITH OGONEK
breve	0x01a2	U+02D8 BREVE
Lstroke	0x01a3	U+0141 LATIN CAPITAL LETTER L WITH STROKE
Lcaron	0x01a5	U+013D LATIN CAPITAL LETTER L WITH CARON
Sacute	0x01a6	U+015A LATIN CAPITAL LETTER S WITH ACUTE
Scaron	0x01a9	U+0160 LATIN CAPITAL LETTER S WITH CARON
Scedilla	0x01aa	U+015E LATIN CAPITAL LETTER S WITH CEDILLA
Tcaron	0x01ab	U+0164 LATIN CAPITAL LETTER T WITH CARON
Zacute	0x01ac	U+0179 LATIN CAPITAL LETTER Z WITH ACUTE
Zcaron	0x01ae	U+017D LATIN CAPITAL LETTER Z WITH CARON
Zabovedot	0x01af	U+017B LATIN CAPITAL LETTER Z WITH DOT ABOVE
aogonek	0x01b1	U+0105 LATIN SMALL LETTER A WITH OGONEK
ogonek	0x01b2	U+02DB OGONEK
lstroke	0x01b3	U+0142 LATIN SMALL LETTER L WITH STROKE
lcaron	0x01b5	U+013E LATIN SMALL LETTER L WITH CARON
sacute	0x01b6	U+015B LATIN SMALL LETTER S WITH ACUTE
caron	0x01b7	U+02C7 CARON
scaron	0x01b9	U+0161 LATIN SMALL LETTER S WITH CARON
scedilla	0x01ba	U+015F LATIN SMALL LETTER S WITH CEDILLA
tcaron	0x01bb	U+0165 LATIN SMALL LETTER T WITH CARON
zacute	0x01bc	U+017A LATIN SMALL LETTER Z WITH ACUTE
doubleacute	0x01bd	U+02DD DOUBLE ACUTE ACCENT
zcaron	0x01be	U+017E LATIN SMALL LETTER Z WITH CARON
zabovedot	0x01bf	U+017C LATIN SMALL LETTER Z WITH DOT ABOVE
Racute	0x01c0	U+0154 LATIN CAPITAL LETTER R WITH ACUTE
Abreve	0x01c3	U+0102 LATIN CAPITAL LETTER A WITH BREVE
Lacute	0x01c5	U+0139 LATIN CAPITAL LETTER L WITH ACUTE
Cacute	0x01c6	U+0106 LATIN CAPITAL LETTER C WITH ACUTE



Ccaron	0x01c8	U+010C LATIN CAPITAL LETTER C WITH CARON
Eogonek	0x01ca	U+0118 LATIN CAPITAL LETTER E WITH OGONEK
Ecaron	0x01cc	U+011A LATIN CAPITAL LETTER E WITH CARON
Dcaron	0x01cf	U+010E LATIN CAPITAL LETTER D WITH CARON
Dstroke	0x01d0	U+0110 LATIN CAPITAL LETTER D WITH STROKE
Nacute	0x01d1	U+0143 LATIN CAPITAL LETTER N WITH ACUTE
Ncaron	0x01d2	U+0147 LATIN CAPITAL LETTER N WITH CARON
Odoubleacute	0x01d5	U+0150 LATIN CAPITAL LETTER O WITH DOUBLE ACUTE
Rcaron	0x01d8	U+0158 LATIN CAPITAL LETTER R WITH CARON
Uring	0x01d9	U+016E LATIN CAPITAL LETTER U WITH RING ABOVE
Udoubleacute	0x01db	U+0170 LATIN CAPITAL LETTER U WITH DOUBLE ACUTE
Tcedilla	0x01de	U+0162 LATIN CAPITAL LETTER T WITH CEDILLA
racute	0x01e0	U+0155 LATIN SMALL LETTER R WITH ACUTE
abreve	0x01e3	U+0103 LATIN SMALL LETTER A WITH BREVE
lacute	0x01e5	U+013A LATIN SMALL LETTER L WITH ACUTE
cacute	0x01e6	U+0107 LATIN SMALL LETTER C WITH ACUTE
ccaron	0x01e8	U+010D LATIN SMALL LETTER C WITH CARON
eogonek	0x01ea	U+0119 LATIN SMALL LETTER E WITH OGONEK
ecaron	0x01ec	U+011B LATIN SMALL LETTER E WITH CARON
dcaron	0x01ef	U+010F LATIN SMALL LETTER D WITH CARON
dstroke	0x01f0	U+0111 LATIN SMALL LETTER D WITH STROKE
nacute	0x01f1	U+0144 LATIN SMALL LETTER N WITH ACUTE
ncaron	0x01f2	U+0148 LATIN SMALL LETTER N WITH CARON
odoubleacute	0x01f5	U+0151 LATIN SMALL LETTER O WITH DOUBLE ACUTE
rcaron	0x01f8	U+0159 LATIN SMALL LETTER R WITH CARON
uring	0x01f9	U+016F LATIN SMALL LETTER U WITH RING ABOVE
udoubleacute	0x01fb	U+0171 LATIN SMALL LETTER U WITH DOUBLE ACUTE
tcedilla	0x01fe	U+0163 LATIN SMALL LETTER T WITH CEDILLA
abovedot	0x01ff	U+02D9 DOT ABOVE
Hstroke	0x02a1	U+0126 LATIN CAPITAL LETTER H WITH STROKE
Hcircumflex	0x02a6	U+0124 LATIN CAPITAL LETTER H WITH CIRCUMFLEX
labovedot	0x02a9	U+0130 LATIN CAPITAL LETTER I WITH DOT ABOVE
Gbreve	0x02ab	U+011E LATIN CAPITAL LETTER G WITH BREVE
Jcircumflex	0x02ac	U+0134 LATIN CAPITAL LETTER J WITH CIRCUMFLEX
hstroke	0x02b1	U+0127 LATIN SMALL LETTER H WITH STROKE

hcircumflex	0x02b6	U+0125 LATIN SMALL LETTER H WITH CIRCUMFLEX
idotless	0x02b9	U+0131 LATIN SMALL LETTER DOTLESS I
gbreve	0x02bb	U+011F LATIN SMALL LETTER G WITH BREVE
jcircumflex	0x02bc	U+0135 LATIN SMALL LETTER J WITH CIRCUMFLEX
Cabovedot	0x02c5	U+010A LATIN CAPITAL LETTER C WITH DOT ABOVE
Ccircumflex	0x02c6	U+0108 LATIN CAPITAL LETTER C WITH CIRCUMFLEX
Gabovedot	0x02d5	U+0120 LATIN CAPITAL LETTER G WITH DOT ABOVE
Gcircumflex	0x02d8	U+011C LATIN CAPITAL LETTER G WITH CIRCUMFLEX
Ubreve	0x02dd	U+016C LATIN CAPITAL LETTER U WITH BREVE
Scircumflex	0x02de	U+015C LATIN CAPITAL LETTER S WITH CIRCUMFLEX
cabovedot	0x02e5	U+010B LATIN SMALL LETTER C WITH DOT ABOVE
ccircumflex	0x02e6	U+0109 LATIN SMALL LETTER C WITH CIRCUMFLEX
gabovedot	0x02f5	U+0121 LATIN SMALL LETTER G WITH DOT ABOVE
gcircumflex	0x02f8	U+011D LATIN SMALL LETTER G WITH CIRCUMFLEX
ubreve	0x02fd	U+016D LATIN SMALL LETTER U WITH BREVE
scircumflex	0x02fe	U+015D LATIN SMALL LETTER S WITH CIRCUMFLEX
kra	0x03a2	U+0138 LATIN SMALL LETTER KRA
kappa	0x03a2	deprecated
Rcedilla	0x03a3	U+0156 LATIN CAPITAL LETTER R WITH CEDILLA
Itilde	0x03a5	U+0128 LATIN CAPITAL LETTER I WITH TILDE
Lcedilla	0x03a6	U+013B LATIN CAPITAL LETTER L WITH CEDILLA
Emacron	0x03aa	U+0112 LATIN CAPITAL LETTER E WITH MACRON
Gcedilla	0x03ab	U+0122 LATIN CAPITAL LETTER G WITH CEDILLA
Tslash	0x03ac	U+0166 LATIN CAPITAL LETTER T WITH STROKE
rcedilla	0x03b3	U+0157 LATIN SMALL LETTER R WITH CEDILLA
itilde	0x03b5	U+0129 LATIN SMALL LETTER I WITH TILDE
lcedilla	0x03b6	U+013C LATIN SMALL LETTER L WITH CEDILLA
emacron	0x03ba	U+0113 LATIN SMALL LETTER E WITH MACRON
gcedilla	0x03bb	U+0123 LATIN SMALL LETTER G WITH CEDILLA
tslash	0x03bc	U+0167 LATIN SMALL LETTER T WITH STROKE
ENG	0x03bd	U+014A LATIN CAPITAL LETTER ENG
eng	0x03bf	U+014B LATIN SMALL LETTER ENG
Amacron	0x03c0	U+0100 LATIN CAPITAL LETTER A WITH MACRON
logonek	0x03c7	U+012E LATIN CAPITAL LETTER I WITH OGONEK
Eabovedot	0x03cc	U+0116 LATIN CAPITAL LETTER E WITH DOT ABOVE
Imacron	0x03cf	U+012A LATIN CAPITAL LETTER I WITH MACRON

Ncedilla	0x03d1	U+0145 LATIN CAPITAL LETTER N WITH CEDILLA
Omacron	0x03d2	U+014C LATIN CAPITAL LETTER O WITH MACRON
Kcedilla	0x03d3	U+0136 LATIN CAPITAL LETTER K WITH CEDILLA
Uogonek	0x03d9	U+0172 LATIN CAPITAL LETTER U WITH OGONEK
Utilde	0x03dd	U+0168 LATIN CAPITAL LETTER U WITH TILDE
Umacron	0x03de	U+016A LATIN CAPITAL LETTER U WITH MACRON
amacron	0x03e0	U+0101 LATIN SMALL LETTER A WITH MACRON
iogonek	0x03e7	U+012F LATIN SMALL LETTER I WITH OGONEK
eabovedot	0x03ec	U+0117 LATIN SMALL LETTER E WITH DOT ABOVE
imacron	0x03ef	U+012B LATIN SMALL LETTER I WITH MACRON
ncedilla	0x03f1	U+0146 LATIN SMALL LETTER N WITH CEDILLA
omacron	0x03f2	U+014D LATIN SMALL LETTER O WITH MACRON
kcedilla	0x03f3	U+0137 LATIN SMALL LETTER K WITH CEDILLA
uogonek	0x03f9	U+0173 LATIN SMALL LETTER U WITH OGONEK
utilde	0x03fd	U+0169 LATIN SMALL LETTER U WITH TILDE
umacron	0x03fe	U+016B LATIN SMALL LETTER U WITH MACRON
Wcircumflex	0x1000174	U+0174 LATIN CAPITAL LETTER W WITH CIRCUMFLEX
wcircumflex	0x1000175	U+0175 LATIN SMALL LETTER W WITH CIRCUMFLEX
Ycircumflex	0x1000176	U+0176 LATIN CAPITAL LETTER Y WITH CIRCUMFLEX
ycircumflex	0x1000177	U+0177 LATIN SMALL LETTER Y WITH CIRCUMFLEX
Babovedot	0x1001e02	U+1E02 LATIN CAPITAL LETTER B WITH DOT ABOVE
babovedot	0x1001e03	U+1E03 LATIN SMALL LETTER B WITH DOT ABOVE
Dabovedot	0x1001e0a	U+1E0A LATIN CAPITAL LETTER D WITH DOT ABOVE
dabovedot	0x1001e0b	U+1E0B LATIN SMALL LETTER D WITH DOT ABOVE
Fabovedot	0x1001e1e	U+1E1E LATIN CAPITAL LETTER F WITH DOT ABOVE
fabovedot	0x1001e1f	U+1E1F LATIN SMALL LETTER F WITH DOT ABOVE
Mabovedot	0x1001e40	U+1E40 LATIN CAPITAL LETTER M WITH DOT ABOVE
mabovedot	0x1001e41	U+1E41 LATIN SMALL LETTER M WITH DOT ABOVE
Pabovedot	0x1001e56	U+1E56 LATIN CAPITAL LETTER P WITH DOT ABOVE
pabovedot	0x1001e57	U+1E57 LATIN SMALL LETTER P WITH DOT ABOVE
Sabovedot	0x1001e60	U+1E60 LATIN CAPITAL LETTER S WITH DOT ABOVE
sabovedot	0x1001e61	U+1E61 LATIN SMALL LETTER S WITH DOT ABOVE
Tabovedot	0x1001e6a	U+1E6A LATIN CAPITAL LETTER T WITH DOT ABOVE
tabovedot	0x1001e6b	U+1E6B LATIN SMALL LETTER T WITH DOT ABOVE
Wgrave	0x1001e80	U+1E80 LATIN CAPITAL LETTER W WITH GRAVE
wgrave	0x1001e81	U+1E81 LATIN SMALL LETTER W WITH GRAVE

Wacute	0x1001e82	U+1E82 LATIN CAPITAL LETTER W WITH ACUTE
wacute	0x1001e83	U+1E83 LATIN SMALL LETTER W WITH ACUTE
Wdiaeresis	0x1001e84	U+1E84 LATIN CAPITAL LETTER W WITH DIAERESIS
wdiaeresis	0x1001e85	U+1E85 LATIN SMALL LETTER W WITH DIAERESIS
Ygrave	0x1001ef2	U+1EF2 LATIN CAPITAL LETTER Y WITH GRAVE
ygrave	0x1001ef3	U+1EF3 LATIN SMALL LETTER Y WITH GRAVE
OE	0x13bc	U+0152 LATIN CAPITAL LIGATURE OE
oe	0x13bd	U+0153 LATIN SMALL LIGATURE OE
Ydiaeresis	0x13be	U+0178 LATIN CAPITAL LETTER Y WITH DIAERESIS
overline	0x047e	U+203E OVERLINE
kana_fullstop	0x04a1	U+3002 IDEOGRAPHIC FULL STOP
kana_openingbracket	0x04a2	U+300C LEFT CORNER BRACKET
kana_closingbracket	0x04a3	U+300D RIGHT CORNER BRACKET
kana_comma	0x04a4	U+3001 IDEOGRAPHIC COMMA
kana_conjunctive	0x04a5	U+30FB KATAKANA MIDDLE DOT
kana_middledot	0x04a5	deprecated
kana_WO	0x04a6	U+30F2 KATAKANA LETTER WO
kana_a	0x04a7	U+30A1 KATAKANA LETTER SMALL A
kana_i	0x04a8	U+30A3 KATAKANA LETTER SMALL I
kana_u	0x04a9	U+30A5 KATAKANA LETTER SMALL U
kana_e	0x04aa	U+30A7 KATAKANA LETTER SMALL E
kana_o	0x04ab	U+30A9 KATAKANA LETTER SMALL O
kana_ya	0x04ac	U+30E3 KATAKANA LETTER SMALL YA
kana_yu	0x04ad	U+30E5 KATAKANA LETTER SMALL YU
kana_yo	0x04ae	U+30E7 KATAKANA LETTER SMALL YO
kana_tsu	0x04af	U+30C3 KATAKANA LETTER SMALL TU
kana_tu	0x04af	deprecated
prolongedsound	0x04b0	U+30FC KATAKANA-HIRAGANA PROLONGED SOUND MARK
kana_A	0x04b1	U+30A2 KATAKANA LETTER A
kana_I	0x04b2	U+30A4 KATAKANA LETTER I
kana_U	0x04b3	U+30A6 KATAKANA LETTER U
kana_E	0x04b4	U+30A8 KATAKANA LETTER E
kana_O	0x04b5	U+30AA KATAKANA LETTER O
kana_KA	0x04b6	U+30AB KATAKANA LETTER KA
kana_KI	0x04b7	U+30AD KATAKANA LETTER KI
kana_KU	0x04b8	U+30AF KATAKANA LETTER KU

kana_KE	0x04b9	U+30B1 KATAKANA LETTER KE
kana_KO	0x04ba	U+30B3 KATAKANA LETTER KO
kana_SA	0x04bb	U+30B5 KATAKANA LETTER SA
kana_SHI	0x04bc	U+30B7 KATAKANA LETTER SI
kana_SU	0x04bd	U+30B9 KATAKANA LETTER SU
kana_SE	0x04be	U+30BB KATAKANA LETTER SE
kana_SO	0x04bf	U+30BD KATAKANA LETTER SO
kana_TA	0x04c0	U+30BF KATAKANA LETTER TA
kana_CHI	0x04c1	U+30C1 KATAKANA LETTER TI
kana_TI	0x04c1	deprecated
kana_TSU	0x04c2	U+30C4 KATAKANA LETTER TU
kana_TU	0x04c2	deprecated
kana_TE	0x04c3	U+30C6 KATAKANA LETTER TE
kana_TO	0x04c4	U+30C8 KATAKANA LETTER TO
kana_NA	0x04c5	U+30CA KATAKANA LETTER NA
kana_NI	0x04c6	U+30CB KATAKANA LETTER NI
kana_NU	0x04c7	U+30CC KATAKANA LETTER NU
kana_NE	0x04c8	U+30CD KATAKANA LETTER NE
kana_NO	0x04c9	U+30CE KATAKANA LETTER NO
kana_HA	0x04ca	U+30CF KATAKANA LETTER HA
kana_HI	0x04cb	U+30D2 KATAKANA LETTER HI
kana_FU	0x04cc	U+30D5 KATAKANA LETTER HU
kana_HU	0x04cc	deprecated
kana_HE	0x04cd	U+30D8 KATAKANA LETTER HE
kana_HO	0x04ce	U+30DB KATAKANA LETTER HO
kana_MA	0x04cf	U+30DE KATAKANA LETTER MA
kana_MI	0x04d0	U+30DF KATAKANA LETTER MI
kana_MU	0x04d1	U+30E0 KATAKANA LETTER MU
kana_ME	0x04d2	U+30E1 KATAKANA LETTER ME
kana_MO	0x04d3	U+30E2 KATAKANA LETTER MO
kana_YA	0x04d4	U+30E4 KATAKANA LETTER YA
kana_YU	0x04d5	U+30E6 KATAKANA LETTER YU
kana_YO	0x04d6	U+30E8 KATAKANA LETTER YO
kana_RA	0x04d7	U+30E9 KATAKANA LETTER RA
kana_RI	0x04d8	U+30EA KATAKANA LETTER RI
kana_RU	0x04d9	U+30EB KATAKANA LETTER RU

kana_RE	0x04da	U+30EC KATAKANA LETTER RE
kana_RO	0x04db	U+30ED KATAKANA LETTER RO
kana_WA	0x04dc	U+30EF KATAKANA LETTER WA
kana_N	0x04dd	U+30F3 KATAKANA LETTER N
voicedsound	0x04de	U+309B KATAKANA-HIRAGANA VOICED SOUND MARK
semivoicedsound	0x04df	U+309C KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
kana_switch	0xff7e	Alias for mode_switch
Farsi_0	0x10006f0	U+06F0 EXTENDED ARABIC-INDIC DIGIT ZERO
Farsi_1	0x10006f1	U+06F1 EXTENDED ARABIC-INDIC DIGIT ONE
Farsi_2	0x10006f2	U+06F2 EXTENDED ARABIC-INDIC DIGIT TWO
Farsi_3	0x10006f3	U+06F3 EXTENDED ARABIC-INDIC DIGIT THREE
Farsi_4	0x10006f4	U+06F4 EXTENDED ARABIC-INDIC DIGIT FOUR
Farsi_5	0x10006f5	U+06F5 EXTENDED ARABIC-INDIC DIGIT FIVE
Farsi_6	0x10006f6	U+06F6 EXTENDED ARABIC-INDIC DIGIT SIX
Farsi_7	0x10006f7	U+06F7 EXTENDED ARABIC-INDIC DIGIT SEVEN
Farsi_8	0x10006f8	U+06F8 EXTENDED ARABIC-INDIC DIGIT EIGHT
Farsi_9	0x10006f9	U+06F9 EXTENDED ARABIC-INDIC DIGIT NINE
Arabic_percent	0x100066a	U+066A ARABIC PERCENT SIGN
Arabic_superscript_alef	0x1000670	U+0670 ARABIC LETTER SUPERScript ALEF
Arabic_tteh	0x1000679	U+0679 ARABIC LETTER TTEH
Arabic_peh	0x100067e	U+067E ARABIC LETTER PEH
Arabic_tch eh	0x1000686	U+0686 ARABIC LETTER TCHEH
Arabic_ddal	0x1000688	U+0688 ARABIC LETTER DDAL
Arabic_rreh	0x1000691	U+0691 ARABIC LETTER RREH
Arabic_comma	0x05ac	U+060C ARABIC COMMA
Arabic_fullstop	0x10006d4	U+06D4 ARABIC FULL STOP
Arabic_0	0x1000660	U+0660 ARABIC-INDIC DIGIT ZERO
Arabic_1	0x1000661	U+0661 ARABIC-INDIC DIGIT ONE
Arabic_2	0x1000662	U+0662 ARABIC-INDIC DIGIT TWO
Arabic_3	0x1000663	U+0663 ARABIC-INDIC DIGIT THREE
Arabic_4	0x1000664	U+0664 ARABIC-INDIC DIGIT FOUR
Arabic_5	0x1000665	U+0665 ARABIC-INDIC DIGIT FIVE
Arabic_6	0x1000666	U+0666 ARABIC-INDIC DIGIT SIX
Arabic_7	0x1000667	U+0667 ARABIC-INDIC DIGIT SEVEN
Arabic_8	0x1000668	U+0668 ARABIC-INDIC DIGIT EIGHT
Arabic_9	0x1000669	U+0669 ARABIC-INDIC DIGIT NINE

Arabic_semicolon	0x05bb	U+061B ARABIC SEMICOLON
Arabic_question_mark	0x05bf	U+061F ARABIC QUESTION MARK
Arabic_hamza	0x05c1	U+0621 ARABIC LETTER HAMZA
Arabic_maddaonalef	0x05c2	U+0622 ARABIC LETTER ALEF WITH MADDA ABOVE
Arabic_hamzaonalef	0x05c3	U+0623 ARABIC LETTER ALEF WITH HAMZA ABOVE
Arabic_hamzaonwaw	0x05c4	U+0624 ARABIC LETTER WAW WITH HAMZA ABOVE
Arabic_hamzaunderalef	0x05c5	U+0625 ARABIC LETTER ALEF WITH HAMZA BELOW
Arabic_hamzaonyeh	0x05c6	U+0626 ARABIC LETTER YEH WITH HAMZA ABOVE
Arabic_alef	0x05c7	U+0627 ARABIC LETTER ALEF
Arabic_beh	0x05c8	U+0628 ARABIC LETTER BEH
Arabic_tehmarbuta	0x05c9	U+0629 ARABIC LETTER TEH MARBUTA
Arabic_teh	0x05ca	U+062A ARABIC LETTER TEH
Arabic_theh	0x05cb	U+062B ARABIC LETTER THEH
Arabic_jeem	0x05cc	U+062C ARABIC LETTER JEEM
Arabic_hah	0x05cd	U+062D ARABIC LETTER HAH
Arabic_khah	0x05ce	U+062E ARABIC LETTER KHAH
Arabic_dal	0x05cf	U+062F ARABIC LETTER DAL
Arabic_thal	0x05d0	U+0630 ARABIC LETTER THAL
Arabic_ra	0x05d1	U+0631 ARABIC LETTER REH
Arabic_zain	0x05d2	U+0632 ARABIC LETTER ZAIN
Arabic_seen	0x05d3	U+0633 ARABIC LETTER SEEN
Arabic_sheen	0x05d4	U+0634 ARABIC LETTER SHEEN
Arabic_sad	0x05d5	U+0635 ARABIC LETTER SAD
Arabic_dad	0x05d6	U+0636 ARABIC LETTER DAD
Arabic_tah	0x05d7	U+0637 ARABIC LETTER TAH
Arabic_zah	0x05d8	U+0638 ARABIC LETTER ZAH
Arabic_ain	0x05d9	U+0639 ARABIC LETTER AIN
Arabic_ghain	0x05da	U+063A ARABIC LETTER GHAIN
Arabic_tatweel	0x05e0	U+0640 ARABIC TATWEEL
Arabic_feh	0x05e1	U+0641 ARABIC LETTER FEH
Arabic_qaf	0x05e2	U+0642 ARABIC LETTER QAF
Arabic_kaf	0x05e3	U+0643 ARABIC LETTER KAF
Arabic_lam	0x05e4	U+0644 ARABIC LETTER LAM
Arabic_meem	0x05e5	U+0645 ARABIC LETTER MEEM
Arabic_noon	0x05e6	U+0646 ARABIC LETTER NOON
Arabic_ha	0x05e7	U+0647 ARABIC LETTER HEH

Arabic_heh	0x05e7	deprecated
Arabic_waw	0x05e8	U+0648 ARABIC LETTER WAW
Arabic_alefmaksura	0x05e9	U+0649 ARABIC LETTER ALEF MAKSURA
Arabic_yeh	0x05ea	U+064A ARABIC LETTER YEH
Arabic_fathatan	0x05eb	U+064B ARABIC FATHATAN
Arabic_dammatan	0x05ec	U+064C ARABIC DAMMATAN
Arabic_kasratan	0x05ed	U+064D ARABIC KASRATAN
Arabic_fatha	0x05ee	U+064E ARABIC FATHA
Arabic_damma	0x05ef	U+064F ARABIC DAMMA
Arabic_kasra	0x05f0	U+0650 ARABIC KASRA
Arabic_shadda	0x05f1	U+0651 ARABIC SHADDA
Arabic_sukun	0x05f2	U+0652 ARABIC SUKUN
Arabic_madda_above	0x1000653	U+0653 ARABIC MADDAH ABOVE
Arabic_hamza_above	0x1000654	U+0654 ARABIC HAMZA ABOVE
Arabic_hamza_below	0x1000655	U+0655 ARABIC HAMZA BELOW
Arabic_jeh	0x1000698	U+0698 ARABIC LETTER JEH
Arabic_veh	0x10006a4	U+06A4 ARABIC LETTER VEH
Arabic_keheh	0x10006a9	U+06A9 ARABIC LETTER KEHEH
Arabic_gaf	0x10006af	U+06AF ARABIC LETTER GAF
Arabic_noon_ghunna	0x10006ba	U+06BA ARABIC LETTER NOON GHUNNA
Arabic_heh_doachashmee	0x10006be	U+06BE ARABIC LETTER HEH DOACHASHMEE
Farsi_yeh	0x10006cc	U+06CC ARABIC LETTER FARSI YEH
Arabic_farsi_yeh	0x10006cc	U+06CC ARABIC LETTER FARSI YEH
Arabic_yeh_baree	0x10006d2	U+06D2 ARABIC LETTER YEH BARREE
Arabic_heh_goal	0x10006c1	U+06C1 ARABIC LETTER HEH GOAL
Arabic_switch	0xff7e	Alias for mode_switch
Cyrillic_GHE_bar	0x1000492	U+0492 CYRILLIC CAPITAL LETTER GHE WITH STROKE
Cyrillic_ghe_bar	0x1000493	U+0493 CYRILLIC SMALL LETTER GHE WITH STROKE
Cyrillic_ZHE_descender	0x1000496	U+0496 CYRILLIC CAPITAL LETTER ZHE WITH DESCENDER
Cyrillic_zhe_descender	0x1000497	U+0497 CYRILLIC SMALL LETTER ZHE WITH DESCENDER
Cyrillic_KA_descender	0x100049a	U+049A CYRILLIC CAPITAL LETTER KA WITH DESCENDER
Cyrillic_ka_descender	0x100049b	U+049B CYRILLIC SMALL LETTER KA WITH DESCENDER
Cyrillic_KA_vertstroke	0x100049c	U+049C CYRILLIC CAPITAL LETTER KA WITH VERTICAL STROKE
Cyrillic_ka_vertstroke	0x100049d	U+049D CYRILLIC SMALL LETTER KA WITH VERTICAL STROKE



Cyrillic_EN_descender	0x10004a2	U+04A2 CYRILLIC CAPITAL LETTER EN WITH DESCENDER
Cyrillic_en_descender	0x10004a3	U+04A3 CYRILLIC SMALL LETTER EN WITH DESCENDER
Cyrillic_U_straight	0x10004ae	U+04AE CYRILLIC CAPITAL LETTER STRAIGHT U
Cyrillic_u_straight	0x10004af	U+04AF CYRILLIC SMALL LETTER STRAIGHT U
Cyrillic_U_straight_bar	0x10004b0	U+04B0 CYRILLIC CAPITAL LETTER STRAIGHT U WITH STROKE
Cyrillic_u_straight_bar	0x10004b1	U+04B1 CYRILLIC SMALL LETTER STRAIGHT U WITH STROKE
Cyrillic_HA_descender	0x10004b2	U+04B2 CYRILLIC CAPITAL LETTER HA WITH DESCENDER
Cyrillic_ha_descender	0x10004b3	U+04B3 CYRILLIC SMALL LETTER HA WITH DESCENDER
Cyrillic_CHE_descender	0x10004b6	U+04B6 CYRILLIC CAPITAL LETTER CHE WITH DESCENDER
Cyrillic_che_descender	0x10004b7	U+04B7 CYRILLIC SMALL LETTER CHE WITH DESCENDER
Cyrillic_CHE_vertstroke	0x10004b8	U+04B8 CYRILLIC CAPITAL LETTER CHE WITH VERTICAL STROKE
Cyrillic_che_vertstroke	0x10004b9	U+04B9 CYRILLIC SMALL LETTER CHE WITH VERTICAL STROKE
Cyrillic_SHHA	0x10004ba	U+04BA CYRILLIC CAPITAL LETTER SHHA
Cyrillic_shha	0x10004bb	U+04BB CYRILLIC SMALL LETTER SHHA
Cyrillic_SCHWA	0x10004d8	U+04D8 CYRILLIC CAPITAL LETTER SCHWA
Cyrillic_schwa	0x10004d9	U+04D9 CYRILLIC SMALL LETTER SCHWA
Cyrillic_I_macron	0x10004e2	U+04E2 CYRILLIC CAPITAL LETTER I WITH MACRON
Cyrillic_i_macron	0x10004e3	U+04E3 CYRILLIC SMALL LETTER I WITH MACRON
Cyrillic_O_bar	0x10004e8	U+04E8 CYRILLIC CAPITAL LETTER BARRED O
Cyrillic_o_bar	0x10004e9	U+04E9 CYRILLIC SMALL LETTER BARRED O
Cyrillic_U_macron	0x10004ee	U+04EE CYRILLIC CAPITAL LETTER U WITH MACRON
Cyrillic_u_macron	0x10004ef	U+04EF CYRILLIC SMALL LETTER U WITH MACRON
Serbian_dje	0x06a1	U+0452 CYRILLIC SMALL LETTER DJE
Macedonia_gje	0x06a2	U+0453 CYRILLIC SMALL LETTER GJE
Cyrillic_io	0x06a3	U+0451 CYRILLIC SMALL LETTER IO
Ukrainian_ie	0x06a4	U+0454 CYRILLIC SMALL LETTER UKRAINIAN IE
Ukranian_je	0x06a4	deprecated
Macedonia_dse	0x06a5	U+0455 CYRILLIC SMALL LETTER DZE
Ukrainian_i	0x06a6	U+0456 CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I
Ukranian_i	0x06a6	deprecated
Ukrainian_yi	0x06a7	U+0457 CYRILLIC SMALL LETTER YI
Ukranian_yi	0x06a7	deprecated

Cyrillic_je	0x06a8	U+0458 CYRILLIC SMALL LETTER JE
Serbian_je	0x06a8	deprecated
Cyrillic_lje	0x06a9	U+0459 CYRILLIC SMALL LETTER LJE
Serbian_lje	0x06a9	deprecated
Cyrillic_nje	0x06aa	U+045A CYRILLIC SMALL LETTER NJE
Serbian_nje	0x06aa	deprecated
Serbian_tshe	0x06ab	U+045B CYRILLIC SMALL LETTER TSHE
Macedonia_kje	0x06ac	U+045C CYRILLIC SMALL LETTER KJE
Ukrainian_ghe_with_upturn	0x06ad	U+0491 CYRILLIC SMALL LETTER GHE WITH UPTURN
Byelorussian_shortu	0x06ae	U+045E CYRILLIC SMALL LETTER SHORT U
Cyrillic_dzhe	0x06af	U+045F CYRILLIC SMALL LETTER DZHE
Serbian_dze	0x06af	deprecated
numerosign	0x06b0	U+2116 NUMERO SIGN
Serbian_DJE	0x06b1	U+0402 CYRILLIC CAPITAL LETTER DJE
Macedonia_GJE	0x06b2	U+0403 CYRILLIC CAPITAL LETTER GJE
Cyrillic_IO	0x06b3	U+0401 CYRILLIC CAPITAL LETTER IO
Ukrainian_IE	0x06b4	U+0404 CYRILLIC CAPITAL LETTER UKRAINIAN IE
Ukranian_JE	0x06b4	deprecated
Macedonia_DSE	0x06b5	U+0405 CYRILLIC CAPITAL LETTER DZE
Ukrainian_I	0x06b6	U+0406 CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I
Ukranian_I	0x06b6	deprecated
Ukrainian_YI	0x06b7	U+0407 CYRILLIC CAPITAL LETTER YI
Ukranian_YI	0x06b7	deprecated
Cyrillic_JE	0x06b8	U+0408 CYRILLIC CAPITAL LETTER JE
Serbian_JE	0x06b8	deprecated
Cyrillic_LJE	0x06b9	U+0409 CYRILLIC CAPITAL LETTER LJE
Serbian_LJE	0x06b9	deprecated
Cyrillic_NJE	0x06ba	U+040A CYRILLIC CAPITAL LETTER NJE
Serbian_NJE	0x06ba	deprecated
Serbian_TSHE	0x06bb	U+040B CYRILLIC CAPITAL LETTER TSHE
Macedonia_KJE	0x06bc	U+040C CYRILLIC CAPITAL LETTER KJE
Ukrainian_GHE_WITH_UPTURN	0x06bd	U+0490 CYRILLIC CAPITAL LETTER GHE WITH UPTURN
Byelorussian_SHORTU	0x06be	U+040E CYRILLIC CAPITAL LETTER SHORT U
Cyrillic_DZHE	0x06bf	U+040F CYRILLIC CAPITAL LETTER DZHE
Serbian_DZE	0x06bf	deprecated
Cyrillic_yu	0x06c0	U+044E CYRILLIC SMALL LETTER YU

Cyrillic_a	0x06c1	U+0430 CYRILLIC SMALL LETTER A
Cyrillic_be	0x06c2	U+0431 CYRILLIC SMALL LETTER BE
Cyrillic_tse	0x06c3	U+0446 CYRILLIC SMALL LETTER TSE
Cyrillic_de	0x06c4	U+0434 CYRILLIC SMALL LETTER DE
Cyrillic_ie	0x06c5	U+0435 CYRILLIC SMALL LETTER IE
Cyrillic_ef	0x06c6	U+0444 CYRILLIC SMALL LETTER EF
Cyrillic_ghe	0x06c7	U+0433 CYRILLIC SMALL LETTER GHE
Cyrillic_ha	0x06c8	U+0445 CYRILLIC SMALL LETTER HA
Cyrillic_i	0x06c9	U+0438 CYRILLIC SMALL LETTER I
Cyrillic_shorti	0x06ca	U+0439 CYRILLIC SMALL LETTER SHORT I
Cyrillic_ka	0x06cb	U+043A CYRILLIC SMALL LETTER KA
Cyrillic_el	0x06cc	U+043B CYRILLIC SMALL LETTER EL
Cyrillic_em	0x06cd	U+043C CYRILLIC SMALL LETTER EM
Cyrillic_en	0x06ce	U+043D CYRILLIC SMALL LETTER EN
Cyrillic_o	0x06cf	U+043E CYRILLIC SMALL LETTER O
Cyrillic_pe	0x06d0	U+043F CYRILLIC SMALL LETTER PE
Cyrillic_ya	0x06d1	U+044F CYRILLIC SMALL LETTER YA
Cyrillic_er	0x06d2	U+0440 CYRILLIC SMALL LETTER ER
Cyrillic_es	0x06d3	U+0441 CYRILLIC SMALL LETTER ES
Cyrillic_te	0x06d4	U+0442 CYRILLIC SMALL LETTER TE
Cyrillic_u	0x06d5	U+0443 CYRILLIC SMALL LETTER U
Cyrillic_zhe	0x06d6	U+0436 CYRILLIC SMALL LETTER ZHE
Cyrillic_ve	0x06d7	U+0432 CYRILLIC SMALL LETTER VE
Cyrillic_softsign	0x06d8	U+044C CYRILLIC SMALL LETTER SOFT SIGN
Cyrillic_yeru	0x06d9	U+044B CYRILLIC SMALL LETTER YERU
Cyrillic_ze	0x06da	U+0437 CYRILLIC SMALL LETTER ZE
Cyrillic_sha	0x06db	U+0448 CYRILLIC SMALL LETTER SHA
Cyrillic_e	0x06dc	U+044D CYRILLIC SMALL LETTER E
Cyrillic_shcha	0x06dd	U+0449 CYRILLIC SMALL LETTER SHCHA
Cyrillic_che	0x06de	U+0447 CYRILLIC SMALL LETTER CHE
Cyrillic_hardsign	0x06df	U+044A CYRILLIC SMALL LETTER HARD SIGN
Cyrillic_YU	0x06e0	U+042E CYRILLIC CAPITAL LETTER YU
Cyrillic_A	0x06e1	U+0410 CYRILLIC CAPITAL LETTER A
Cyrillic_BE	0x06e2	U+0411 CYRILLIC CAPITAL LETTER BE
Cyrillic_TSE	0x06e3	U+0426 CYRILLIC CAPITAL LETTER TSE
Cyrillic_DE	0x06e4	U+0414 CYRILLIC CAPITAL LETTER DE

Cyrillic_IE	0x06e5	U+0415 CYRILLIC CAPITAL LETTER IE
Cyrillic_EF	0x06e6	U+0424 CYRILLIC CAPITAL LETTER EF
Cyrillic_GHE	0x06e7	U+0413 CYRILLIC CAPITAL LETTER GHE
Cyrillic_HA	0x06e8	U+0425 CYRILLIC CAPITAL LETTER HA
Cyrillic_I	0x06e9	U+0418 CYRILLIC CAPITAL LETTER I
Cyrillic_SHORTI	0x06ea	U+0419 CYRILLIC CAPITAL LETTER SHORT I
Cyrillic_KA	0x06eb	U+041A CYRILLIC CAPITAL LETTER KA
Cyrillic_EL	0x06ec	U+041B CYRILLIC CAPITAL LETTER EL
Cyrillic_EM	0x06ed	U+041C CYRILLIC CAPITAL LETTER EM
Cyrillic_EN	0x06ee	U+041D CYRILLIC CAPITAL LETTER EN
Cyrillic_O	0x06ef	U+041E CYRILLIC CAPITAL LETTER O
Cyrillic_PE	0x06f0	U+041F CYRILLIC CAPITAL LETTER PE
Cyrillic_YA	0x06f1	U+042F CYRILLIC CAPITAL LETTER YA
Cyrillic_ER	0x06f2	U+0420 CYRILLIC CAPITAL LETTER ER
Cyrillic_ES	0x06f3	U+0421 CYRILLIC CAPITAL LETTER ES
Cyrillic_TE	0x06f4	U+0422 CYRILLIC CAPITAL LETTER TE
Cyrillic_U	0x06f5	U+0423 CYRILLIC CAPITAL LETTER U
Cyrillic_ZHE	0x06f6	U+0416 CYRILLIC CAPITAL LETTER ZHE
Cyrillic_VE	0x06f7	U+0412 CYRILLIC CAPITAL LETTER VE
Cyrillic_SOFTSIGN	0x06f8	U+042C CYRILLIC CAPITAL LETTER SOFT SIGN
Cyrillic_YERU	0x06f9	U+042B CYRILLIC CAPITAL LETTER YERU
Cyrillic_ZE	0x06fa	U+0417 CYRILLIC CAPITAL LETTER ZE
Cyrillic_SHA	0x06fb	U+0428 CYRILLIC CAPITAL LETTER SHA
Cyrillic_E	0x06fc	U+042D CYRILLIC CAPITAL LETTER E
Cyrillic_SHCHA	0x06fd	U+0429 CYRILLIC CAPITAL LETTER SHCHA
Cyrillic_CHE	0x06fe	U+0427 CYRILLIC CAPITAL LETTER CHE
Cyrillic_HARDSIGN	0x06ff	U+042A CYRILLIC CAPITAL LETTER HARD SIGN
Greek_ALPHAaccent	0x07a1	U+0386 GREEK CAPITAL LETTER ALPHA WITH TONOS
Greek_EPSILONaccent	0x07a2	U+0388 GREEK CAPITAL LETTER EPSILON WITH TONOS
Greek_ETAaccent	0x07a3	U+0389 GREEK CAPITAL LETTER ETA WITH TONOS
Greek_IOTAaccent	0x07a4	U+038A GREEK CAPITAL LETTER IOTA WITH TONOS
Greek_IOTAdieresis	0x07a5	U+03AA GREEK CAPITAL LETTER IOTA WITH DIALYTIKA
Greek_IOTAdiaeresis	0x07a5	old typo
Greek_OMICRONaccent	0x07a7	U+038C GREEK CAPITAL LETTER OMICRON WITH TONOS
Greek_UPSILONaccent	0x07a8	U+038E GREEK CAPITAL LETTER UPSILON WITH TONOS

Greek_UPSILONdieresis	0x07a9	U+03AB GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA
Greek_OMEGAaccent	0x07ab	U+038F GREEK CAPITAL LETTER OMEGA WITH TONOS
Greek_accentdieresis	0x07ae	U+0385 GREEK DIALYTIKA TONOS
Greek_horizbar	0x07af	U+2015 HORIZONTAL BAR
Greek_alphaaccent	0x07b1	U+03AC GREEK SMALL LETTER ALPHA WITH TONOS
Greek_epsilonaccent	0x07b2	U+03AD GREEK SMALL LETTER EPSILON WITH TONOS
Greek_etaaccent	0x07b3	U+03AE GREEK SMALL LETTER ETA WITH TONOS
Greek_iotaaccent	0x07b4	U+03AF GREEK SMALL LETTER IOTA WITH TONOS
Greek_iotadieresis	0x07b5	U+03CA GREEK SMALL LETTER IOTA WITH DIALYTIKA
Greek_iotaaccentdieresis	0x07b6	U+0390 GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS
Greek_omicronaccent	0x07b7	U+03CC GREEK SMALL LETTER OMICRON WITH TONOS
Greek_upsilonaccent	0x07b8	U+03CD GREEK SMALL LETTER UPSILON WITH TONOS
Greek_upsilondieresis	0x07b9	U+03CB GREEK SMALL LETTER UPSILON WITH DIALYTIKA
Greek_upsilonaccentdieresis	0x07ba	U+03B0 GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS
Greek_omegaaccent	0x07bb	U+03CE GREEK SMALL LETTER OMEGA WITH TONOS
Greek_ALPHA	0x07c1	U+0391 GREEK CAPITAL LETTER ALPHA
Greek_BETA	0x07c2	U+0392 GREEK CAPITAL LETTER BETA
Greek_GAMMA	0x07c3	U+0393 GREEK CAPITAL LETTER GAMMA
Greek_DELTA	0x07c4	U+0394 GREEK CAPITAL LETTER DELTA
Greek_EPSILON	0x07c5	U+0395 GREEK CAPITAL LETTER EPSILON
Greek_ZETA	0x07c6	U+0396 GREEK CAPITAL LETTER ZETA
Greek_ETA	0x07c7	U+0397 GREEK CAPITAL LETTER ETA
Greek_THETA	0x07c8	U+0398 GREEK CAPITAL LETTER THETA
Greek_IOTA	0x07c9	U+0399 GREEK CAPITAL LETTER IOTA
Greek_KAPPA	0x07ca	U+039A GREEK CAPITAL LETTER KAPPA
Greek_LAMDA	0x07cb	U+039B GREEK CAPITAL LETTER LAMDA
Greek_LAMBDA	0x07cb	U+039B GREEK CAPITAL LETTER LAMDA
Greek_MU	0x07cc	U+039C GREEK CAPITAL LETTER MU
Greek_NU	0x07cd	U+039D GREEK CAPITAL LETTER NU
Greek_XI	0x07ce	U+039E GREEK CAPITAL LETTER XI
Greek_OMICRON	0x07cf	U+039F GREEK CAPITAL LETTER OMICRON
Greek_PI	0x07d0	U+03A0 GREEK CAPITAL LETTER PI
Greek_RHO	0x07d1	U+03A1 GREEK CAPITAL LETTER RHO
Greek_SIGMA	0x07d2	U+03A3 GREEK CAPITAL LETTER SIGMA

Greek_TAU	0x07d4	U+03A4 GREEK CAPITAL LETTER TAU
Greek_UPSILON	0x07d5	U+03A5 GREEK CAPITAL LETTER UPSILON
Greek_PHI	0x07d6	U+03A6 GREEK CAPITAL LETTER PHI
Greek_CHI	0x07d7	U+03A7 GREEK CAPITAL LETTER CHI
Greek_PSI	0x07d8	U+03A8 GREEK CAPITAL LETTER PSI
Greek_OMEGA	0x07d9	U+03A9 GREEK CAPITAL LETTER OMEGA
Greek_alpha	0x07e1	U+03B1 GREEK SMALL LETTER ALPHA
Greek_beta	0x07e2	U+03B2 GREEK SMALL LETTER BETA
Greek_gamma	0x07e3	U+03B3 GREEK SMALL LETTER GAMMA
Greek_delta	0x07e4	U+03B4 GREEK SMALL LETTER DELTA
Greek_epsilon	0x07e5	U+03B5 GREEK SMALL LETTER EPSILON
Greek_zeta	0x07e6	U+03B6 GREEK SMALL LETTER ZETA
Greek_eta	0x07e7	U+03B7 GREEK SMALL LETTER ETA
Greek_theta	0x07e8	U+03B8 GREEK SMALL LETTER THETA
Greek_iota	0x07e9	U+03B9 GREEK SMALL LETTER IOTA
Greek_kappa	0x07ea	U+03BA GREEK SMALL LETTER KAPPA
Greek_lamda	0x07eb	U+03BB GREEK SMALL LETTER LAMDA
Greek_lambda	0x07eb	U+03BB GREEK SMALL LETTER LAMDA
Greek_mu	0x07ec	U+03BC GREEK SMALL LETTER MU
Greek_nu	0x07ed	U+03BD GREEK SMALL LETTER NU
Greek_xi	0x07ee	U+03BE GREEK SMALL LETTER XI
Greek_omicron	0x07ef	U+03BF GREEK SMALL LETTER OMICRON
Greek_pi	0x07f0	U+03C0 GREEK SMALL LETTER PI
Greek_rho	0x07f1	U+03C1 GREEK SMALL LETTER RHO
Greek_sigma	0x07f2	U+03C3 GREEK SMALL LETTER SIGMA
Greek_finalsmallsigma	0x07f3	U+03C2 GREEK SMALL LETTER FINAL SIGMA
Greek_tau	0x07f4	U+03C4 GREEK SMALL LETTER TAU
Greek_upsilon	0x07f5	U+03C5 GREEK SMALL LETTER UPSILON
Greek_phi	0x07f6	U+03C6 GREEK SMALL LETTER PHI
Greek_chi	0x07f7	U+03C7 GREEK SMALL LETTER CHI
Greek_psi	0x07f8	U+03C8 GREEK SMALL LETTER PSI
Greek_omega	0x07f9	U+03C9 GREEK SMALL LETTER OMEGA
Greek_switch	0xff7e	Alias for mode_switch
leftradical	0x08a1	U+23B7 RADICAL SYMBOL BOTTOM
topleftradical	0x08a2	-
horizconnector	0x08a3	-

topintegral	0x08a4	U+2320 TOP HALF INTEGRAL
botintegral	0x08a5	U+2321 BOTTOM HALF INTEGRAL
vertconnector	0x08a6	-
topleftsqbracket	0x08a7	U+23A1 LEFT SQUARE BRACKET UPPER CORNER
botleftsqbracket	0x08a8	U+23A3 LEFT SQUARE BRACKET LOWER CORNER
toprightsqbracket	0x08a9	U+23A4 RIGHT SQUARE BRACKET UPPER CORNER
botrightsqbracket	0x08aa	U+23A6 RIGHT SQUARE BRACKET LOWER CORNER
topleftparens	0x08ab	U+239B LEFT PARENTHESIS UPPER HOOK
botleftparens	0x08ac	U+239D LEFT PARENTHESIS LOWER HOOK
toprightparens	0x08ad	U+239E RIGHT PARENTHESIS UPPER HOOK
botrightparens	0x08ae	U+23A0 RIGHT PARENTHESIS LOWER HOOK
leftmiddlecurlybrace	0x08af	U+23A8 LEFT CURLY BRACKET MIDDLE PIECE
rightmiddlecurlybrace	0x08b0	U+23AC RIGHT CURLY BRACKET MIDDLE PIECE
topleftsummation	0x08b1	-
botleftsummation	0x08b2	-
topvertsummationconnector	0x08b3	-
botvertsummationconnector	0x08b4	-
toprightsummation	0x08b5	-
botrightsummation	0x08b6	-
rightmiddlesummation	0x08b7	-
lessthanequal	0x08bc	U+2264 LESS-THAN OR EQUAL TO
notequal	0x08bd	U+2260 NOT EQUAL TO
greaterthanequal	0x08be	U+2265 GREATER-THAN OR EQUAL TO
integral	0x08bf	U+222B INTEGRAL
therefore	0x08c0	U+2234 THEREFORE
variation	0x08c1	U+221D PROPORTIONAL TO
infinity	0x08c2	U+221E INFINITY
nabla	0x08c5	U+2207 NABLA
approximate	0x08c8	U+223C TILDE OPERATOR
similarequal	0x08c9	U+2243 ASYMPTOTICALLY EQUAL TO
ifonlyif	0x08cd	U+21D4 LEFT RIGHT DOUBLE ARROW
implies	0x08ce	U+21D2 RIGHTWARDS DOUBLE ARROW
identical	0x08cf	U+2261 IDENTICAL TO
radical	0x08d6	U+221A SQUARE ROOT
includedin	0x08da	U+2282 SUBSET OF
includes	0x08db	U+2283 SUPERSET OF

intersection	0x08dc	U+2229 INTERSECTION
union	0x08dd	U+222A UNION
logicaland	0x08de	U+2227 LOGICAL AND
logicalor	0x08df	U+2228 LOGICAL OR
partialderivative	0x08ef	U+2202 PARTIAL DIFFERENTIAL
function	0x08f6	U+0192 LATIN SMALL LETTER F WITH HOOK
leftarrow	0x08fb	U+2190 LEFTWARDS ARROW
uparrow	0x08fc	U+2191 UPWARDS ARROW
rightarrow	0x08fd	U+2192 RIGHTWARDS ARROW
downarrow	0x08fe	U+2193 DOWNWARDS ARROW
blank	0x09df	-
soliddiamond	0x09e0	U+25C6 BLACK DIAMOND
checkerboard	0x09e1	U+2592 MEDIUM SHADE
ht	0x09e2	U+2409 SYMBOL FOR HORIZONTAL TABULATION
ff	0x09e3	U+240C SYMBOL FOR FORM FEED
cr	0x09e4	U+240D SYMBOL FOR CARRIAGE RETURN
lf	0x09e5	U+240A SYMBOL FOR LINE FEED
nl	0x09e8	U+2424 SYMBOL FOR NEWLINE
vt	0x09e9	U+240B SYMBOL FOR VERTICAL TABULATION
lowrightcorner	0x09ea	U+2518 BOX DRAWINGS LIGHT UP AND LEFT
uprightcorner	0x09eb	U+2510 BOX DRAWINGS LIGHT DOWN AND LEFT
upleftcorner	0x09ec	U+250C BOX DRAWINGS LIGHT DOWN AND RIGHT
lowleftcorner	0x09ed	U+2514 BOX DRAWINGS LIGHT UP AND RIGHT
crossinglines	0x09ee	U+253C BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL
horizlinescan1	0x09ef	U+23BA HORIZONTAL SCAN LINE-1
horizlinescan3	0x09f0	U+23BB HORIZONTAL SCAN LINE-3
horizlinescan5	0x09f1	U+2500 BOX DRAWINGS LIGHT HORIZONTAL
horizlinescan7	0x09f2	U+23BC HORIZONTAL SCAN LINE-7
horizlinescan9	0x09f3	U+23BD HORIZONTAL SCAN LINE-9
leftt	0x09f4	U+251C BOX DRAWINGS LIGHT VERTICAL AND RIGHT
rightt	0x09f5	U+2524 BOX DRAWINGS LIGHT VERTICAL AND LEFT
bott	0x09f6	U+2534 BOX DRAWINGS LIGHT UP AND HORIZONTAL
topt	0x09f7	U+252C BOX DRAWINGS LIGHT DOWN AND HORIZONTAL
vertbar	0x09f8	U+2502 BOX DRAWINGS LIGHT VERTICAL
emspace	0x0aa1	U+2003 EM SPACE



enspace	0x0aa2	U+2002 EN SPACE
em3space	0x0aa3	U+2004 THREE-PER-EM SPACE
em4space	0x0aa4	U+2005 FOUR-PER-EM SPACE
digitSPACE	0x0aa5	U+2007 FIGURE SPACE
punctSPACE	0x0aa6	U+2008 PUNCTUATION SPACE
thinspace	0x0aa7	U+2009 THIN SPACE
hairSPACE	0x0aa8	U+200A HAIR SPACE
emdash	0x0aa9	U+2014 EM DASH
endash	0x0aaa	U+2013 EN DASH
signifblank	0x0aac	-
ellipsis	0x0aae	U+2026 HORIZONTAL ELLIPSIS
doubbaselinedot	0x0aaf	U+2025 TWO DOT LEADER
onethird	0x0ab0	U+2153 VULGAR FRACTION ONE THIRD
twothirds	0x0ab1	U+2154 VULGAR FRACTION TWO THIRDS
onefifth	0x0ab2	U+2155 VULGAR FRACTION ONE FIFTH
twofifths	0x0ab3	U+2156 VULGAR FRACTION TWO FIFTHS
threefifths	0x0ab4	U+2157 VULGAR FRACTION THREE FIFTHS
fourfifths	0x0ab5	U+2158 VULGAR FRACTION FOUR FIFTHS
onesixth	0x0ab6	U+2159 VULGAR FRACTION ONE SIXTH
fivesixths	0x0ab7	U+215A VULGAR FRACTION FIVE SIXTHS
careof	0x0ab8	U+2105 CARE OF
figdash	0x0abb	U+2012 FIGURE DASH
leftanglebracket	0x0abc	-
decimalpoint	0x0abd	-
rightanglebracket	0x0abe	-
marker	0x0abf	-
oneeighth	0x0ac3	U+215B VULGAR FRACTION ONE EIGHTH
threeeighths	0x0ac4	U+215C VULGAR FRACTION THREE EIGHTHS
fiveeighths	0x0ac5	U+215D VULGAR FRACTION FIVE EIGHTHS
seveneighths	0x0ac6	U+215E VULGAR FRACTION SEVEN EIGHTHS
trademark	0x0ac9	U+2122 TRADE MARK SIGN
signaturemark	0x0aca	-
trademarkincircle	0x0acb	-
leftopentriangle	0x0acc	-
rightopentriangle	0x0acd	-
emopencircle	0x0ace	-

emopenrectangle	0x0acf	-
leftsinglequotemark	0x0ad0	U+2018 LEFT SINGLE QUOTATION MARK
rightsinglequotemark	0x0ad1	U+2019 RIGHT SINGLE QUOTATION MARK
leftdoublequotemark	0x0ad2	U+201C LEFT DOUBLE QUOTATION MARK
rightdoublequotemark	0x0ad3	U+201D RIGHT DOUBLE QUOTATION MARK
prescription	0x0ad4	U+211E PRESCRIPTION TAKE
permille	0x0ad5	U+2030 PER MILLE SIGN
minutes	0x0ad6	U+2032 PRIME
seconds	0x0ad7	U+2033 DOUBLE PRIME
latincross	0x0ad9	U+271D LATIN CROSS
hexagram	0x0ada	-
filledrectbullet	0x0adb	-
filledlefttribullet	0x0adc	-
filledrighttribullet	0x0add	-
emfilledcircle	0x0ade	-
emfilledrect	0x0adf	-
enopencircbullet	0x0ae0	-
enopensquarebullet	0x0ae1	-
openrectbullet	0x0ae2	-
opentribulletup	0x0ae3	-
opentribulletdown	0x0ae4	-
openstar	0x0ae5	-
enfilledcircbullet	0x0ae6	-
enfilledsqbullet	0x0ae7	-
filledtribulletup	0x0ae8	-
filledtribulletdown	0x0ae9	-
leftpointer	0x0aea	-
rightpointer	0x0aeb	-
club	0x0aec	U+2663 BLACK CLUB SUIT
diamond	0x0aed	U+2666 BLACK DIAMOND SUIT
heart	0x0aee	U+2665 BLACK HEART SUIT
maltesecross	0x0af0	U+2720 MALTESE CROSS
dagger	0x0af1	U+2020 DAGGER
doubledagger	0x0af2	U+2021 DOUBLE DAGGER
checkmark	0x0af3	U+2713 CHECK MARK
ballotcross	0x0af4	U+2717 BALLOT X

musicalsharp	0x0af5	U+266F MUSIC SHARP SIGN
musicalflat	0x0af6	U+266D MUSIC FLAT SIGN
malesymbol	0x0af7	U+2642 MALE SIGN
femalesymbol	0x0af8	U+2640 FEMALE SIGN
telephone	0x0af9	U+260E BLACK TELEPHONE
telephonerecorder	0x0afa	U+2315 TELEPHONE RECORDER
phonographcopyright	0x0afb	U+2117 SOUND RECORDING COPYRIGHT
caret	0x0afc	U+2038 CARET
singlelowquotemark	0x0afd	U+201A SINGLE LOW-9 QUOTATION MARK
doublelowquotemark	0x0afe	U+201E DOUBLE LOW-9 QUOTATION MARK
cursor	0x0aff	-
leftcaret	0x0ba3	-
rightcaret	0x0ba6	-
downcaret	0x0ba8	-
upcaret	0x0ba9	-
overbar	0x0bc0	-
downtack	0x0bc2	U+22A4 DOWN TACK
upshoe	0x0bc3	-
downstile	0x0bc4	U+230A LEFT FLOOR
underbar	0x0bc6	-
jot	0x0bca	U+2218 RING OPERATOR
quad	0x0bcc	U+2395 APL FUNCTIONAL SYMBOL QUAD
uptack	0x0bce	U+22A5 UP TACK
circle	0x0bcf	U+25CB WHITE CIRCLE
upstile	0x0bd3	U+2308 LEFT CEILING
downshoe	0x0bd6	-
rightshoe	0x0bd8	-
leftshoe	0x0bda	-
lefttack	0x0bdc	U+22A3 LEFT TACK
righttack	0x0bfc	U+22A2 RIGHT TACK
hebrew_doublelowline	0x0cdf	U+2017 DOUBLE LOW LINE
hebrew_aleph	0x0ce0	U+05D0 HEBREW LETTER ALEF
hebrew_bet	0x0ce1	U+05D1 HEBREW LETTER BET
hebrew_beth	0x0ce1	deprecated
hebrew_gimel	0x0ce2	U+05D2 HEBREW LETTER GIMEL
hebrew_gimmel	0x0ce2	deprecated

hebrew_dalet	0x0ce3	U+05D3 HEBREW LETTER DALET
hebrew_daleth	0x0ce3	deprecated
hebrew_he	0x0ce4	U+05D4 HEBREW LETTER HE
hebrew_waw	0x0ce5	U+05D5 HEBREW LETTER VAV
hebrew_zain	0x0ce6	U+05D6 HEBREW LETTER ZAYIN
hebrew_zayin	0x0ce6	deprecated
hebrew_chet	0x0ce7	U+05D7 HEBREW LETTER HET
hebrew_het	0x0ce7	deprecated
hebrew_tet	0x0ce8	U+05D8 HEBREW LETTER TET
hebrew_teth	0x0ce8	deprecated
hebrew_yod	0x0ce9	U+05D9 HEBREW LETTER YOD
hebrew_finalkaph	0x0cea	U+05DA HEBREW LETTER FINAL KAF
hebrew_kaph	0x0ceb	U+05DB HEBREW LETTER KAF
hebrew_lamed	0x0cec	U+05DC HEBREW LETTER LAMED
hebrew_finalmem	0x0ced	U+05DD HEBREW LETTER FINAL MEM
hebrew_mem	0x0cee	U+05DE HEBREW LETTER MEM
hebrew_finalnun	0x0cef	U+05DF HEBREW LETTER FINAL NUN
hebrew_nun	0x0cf0	U+05E0 HEBREW LETTER NUN
hebrew_samech	0x0cf1	U+05E1 HEBREW LETTER SAMEKH
hebrew_samekh	0x0cf1	deprecated
hebrew_ayin	0x0cf2	U+05E2 HEBREW LETTER AYIN
hebrew_finalpe	0x0cf3	U+05E3 HEBREW LETTER FINAL PE
hebrew_pe	0x0cf4	U+05E4 HEBREW LETTER PE
hebrew_finalzade	0x0cf5	U+05E5 HEBREW LETTER FINAL TSADI
hebrew_finalzadi	0x0cf5	deprecated
hebrew_zade	0x0cf6	U+05E6 HEBREW LETTER TSADI
hebrew_zadi	0x0cf6	deprecated
hebrew_qoph	0x0cf7	U+05E7 HEBREW LETTER QOF
hebrew_kuf	0x0cf7	deprecated
hebrew_resch	0x0cf8	U+05E8 HEBREW LETTER RESH
hebrew_shin	0x0cf9	U+05E9 HEBREW LETTER SHIN
hebrew_taw	0x0cfa	U+05EA HEBREW LETTER TAV
hebrew_taf	0x0cfa	deprecated
Hebrew_switch	0xff7e	Alias for mode_switch
Thai_kokai	0x0da1	U+0E01 THAI CHARACTER KO KAI
Thai_khokhai	0x0da2	U+0E02 THAI CHARACTER KHO KHAI

Thai_khokhuat	0x0da3	U+0E03 THAI CHARACTER KHO KHUAT
Thai_khokhwai	0x0da4	U+0E04 THAI CHARACTER KHO KHWAI
Thai_khokhon	0x0da5	U+0E05 THAI CHARACTER KHO KHON
Thai_khorakhang	0x0da6	U+0E06 THAI CHARACTER KHO RAKHANG
Thai_ngongu	0x0da7	U+0E07 THAI CHARACTER NGO NGU
Thai_chochan	0x0da8	U+0E08 THAI CHARACTER CHO CHAN
Thai_choching	0x0da9	U+0E09 THAI CHARACTER CHO CHING
Thai_chochang	0x0daa	U+0E0A THAI CHARACTER CHO CHANG
Thai_soso	0x0dab	U+0E0B THAI CHARACTER SO SO
Thai_chochoe	0x0dac	U+0E0C THAI CHARACTER CHO CHOE
Thai_yoying	0x0dad	U+0E0D THAI CHARACTER YO YING
Thai_dochada	0x0dae	U+0E0E THAI CHARACTER DO CHADA
Thai_topatak	0x0daf	U+0E0F THAI CHARACTER TO PATAK
Thai_thothan	0x0db0	U+0E10 THAI CHARACTER THO THAN
Thai_thonangmontho	0x0db1	U+0E11 THAI CHARACTER THO NANGMONTHO
Thai_thophuthao	0x0db2	U+0E12 THAI CHARACTER THO PHUTHAO
Thai_nonen	0x0db3	U+0E13 THAI CHARACTER NO NEN
Thai_dodek	0x0db4	U+0E14 THAI CHARACTER DO DEK
Thai_totao	0x0db5	U+0E15 THAI CHARACTER TO TAO
Thai_thothung	0x0db6	U+0E16 THAI CHARACTER THO THUNG
Thai_thothahan	0x0db7	U+0E17 THAI CHARACTER THO THAHAN
Thai_thothong	0x0db8	U+0E18 THAI CHARACTER THO THONG
Thai_nonu	0x0db9	U+0E19 THAI CHARACTER NO NU
Thai_bobaimai	0x0dba	U+0E1A THAI CHARACTER BO BAIMAI
Thai_popla	0x0dbb	U+0E1B THAI CHARACTER PO PLA
Thai_phophung	0x0dbc	U+0E1C THAI CHARACTER PHO PHUNG
Thai_fofa	0x0dbd	U+0E1D THAI CHARACTER FO FA
Thai_phophan	0x0dbe	U+0E1E THAI CHARACTER PHO PHAN
Thai_fofan	0x0dbf	U+0E1F THAI CHARACTER FO FAN
Thai_phosamphao	0x0dc0	U+0E20 THAI CHARACTER PHO SAMPHAO
Thai_moma	0x0dc1	U+0E21 THAI CHARACTER MO MA
Thai_yoyak	0x0dc2	U+0E22 THAI CHARACTER YO YAK
Thai_rorua	0x0dc3	U+0E23 THAI CHARACTER RO RUA
Thai_ru	0x0dc4	U+0E24 THAI CHARACTER RU
Thai_loling	0x0dc5	U+0E25 THAI CHARACTER LO LING
Thai_lu	0x0dc6	U+0E26 THAI CHARACTER LU

Thai_wowaen	0x0dc7	U+0E27 THAI CHARACTER WO WAEN
Thai_sosala	0x0dc8	U+0E28 THAI CHARACTER SO SALA
Thai_sorusi	0x0dc9	U+0E29 THAI CHARACTER SO RUSI
Thai_sosua	0x0dca	U+0E2A THAI CHARACTER SO SUA
Thai_hohip	0x0dcb	U+0E2B THAI CHARACTER HO HIP
Thai_lochula	0x0dcc	U+0E2C THAI CHARACTER LO CHULA
Thai_oang	0x0dcd	U+0E2D THAI CHARACTER O ANG
Thai_honokhuk	0x0dce	U+0E2E THAI CHARACTER HO NOKHUK
Thai_paiyannoi	0x0dcf	U+0E2F THAI CHARACTER PAIYANNOI
Thai_saraa	0x0dd0	U+0E30 THAI CHARACTER SARA A
Thai_maihanakat	0x0dd1	U+0E31 THAI CHARACTER MAI HAN-AKAT
Thai_saraaa	0x0dd2	U+0E32 THAI CHARACTER SARA AA
Thai_saraam	0x0dd3	U+0E33 THAI CHARACTER SARA AM
Thai_sarai	0x0dd4	U+0E34 THAI CHARACTER SARA I
Thai_saraii	0x0dd5	U+0E35 THAI CHARACTER SARA II
Thai_saraue	0x0dd6	U+0E36 THAI CHARACTER SARA UE
Thai_sarauee	0x0dd7	U+0E37 THAI CHARACTER SARA UEE
Thai_sarau	0x0dd8	U+0E38 THAI CHARACTER SARA U
Thai_sarauu	0x0dd9	U+0E39 THAI CHARACTER SARA UU
Thai_phinthu	0x0dda	U+0E3A THAI CHARACTER PHINTHU
Thai_maihanakat_maitho	0x0dde	-
Thai_baht	0x0ddf	U+0E3F THAI CURRENCY SYMBOL BAHT
Thai_sarae	0x0de0	U+0E40 THAI CHARACTER SARA E
Thai_saraae	0x0de1	U+0E41 THAI CHARACTER SARA AE
Thai_sarao	0x0de2	U+0E42 THAI CHARACTER SARA O
Thai_saraaimaimuan	0x0de3	U+0E43 THAI CHARACTER SARA AI MAIMUAN
Thai_saraaimaimalai	0x0de4	U+0E44 THAI CHARACTER SARA AI MAIMALAI
Thai_lakkhangyao	0x0de5	U+0E45 THAI CHARACTER LAKKHANGYAO
Thai_maiyamok	0x0de6	U+0E46 THAI CHARACTER MAIYAMOK
Thai_maitaikhu	0x0de7	U+0E47 THAI CHARACTER MAITAIKHU
Thai_maiek	0x0de8	U+0E48 THAI CHARACTER MAI EK
Thai_maitho	0x0de9	U+0E49 THAI CHARACTER MAI THO
Thai_maitri	0x0dea	U+0E4A THAI CHARACTER MAI TRI
Thai_maichattawa	0x0deb	U+0E4B THAI CHARACTER MAI CHATTAWA
Thai_thanthakhat	0x0dec	U+0E4C THAI CHARACTER THANTHAKHAT
Thai_nikhahit	0x0ded	U+0E4D THAI CHARACTER NIKHAHIT

Thai_leksun	0x0df0	U+0E50 THAI DIGIT ZERO
Thai_leknung	0x0df1	U+0E51 THAI DIGIT ONE
Thai_leksong	0x0df2	U+0E52 THAI DIGIT TWO
Thai_leksam	0x0df3	U+0E53 THAI DIGIT THREE
Thai_leksi	0x0df4	U+0E54 THAI DIGIT FOUR
Thai_lekha	0x0df5	U+0E55 THAI DIGIT FIVE
Thai_lekhok	0x0df6	U+0E56 THAI DIGIT SIX
Thai_lekchet	0x0df7	U+0E57 THAI DIGIT SEVEN
Thai_lekpaet	0x0df8	U+0E58 THAI DIGIT EIGHT
Thai_lekkao	0x0df9	U+0E59 THAI DIGIT NINE
Hangul	0xff31	Hangul start/stop(toggle)
Hangul_Start	0xff32	Hangul start
Hangul_End	0xff33	Hangul end, English start
Hangul_Hanja	0xff34	Start Hangul->Hanja Conversion
Hangul_Jamo	0xff35	Hangul Jamo mode
Hangul_Romaja	0xff36	Hangul Romaja mode
Hangul_Codeinput	0xff37	Hangul code input mode
Hangul_Jeonja	0xff38	Jeonja mode
Hangul_Banja	0xff39	Banja mode
Hangul_PreHanja	0xff3a	Pre Hanja conversion
Hangul_PostHanja	0xff3b	Post Hanja conversion
Hangul_SingleCandidate	0xff3c	Single candidate
Hangul_MultipleCandidate	0xff3d	Multiple candidate
Hangul_PreviousCandidate	0xff3e	Previous candidate
Hangul_Special	0xff3f	Special symbols
Hangul_switch	0xff7e	Hangul Consonant Characters
Hangul_Kiyeog	0x0ea1	-
Hangul_SsangKiyeog	0x0ea2	-
Hangul_KiyeogSios	0x0ea3	-
Hangul_Nieun	0x0ea4	-
Hangul_NieunJieuj	0x0ea5	-
Hangul_NieunHieuh	0x0ea6	-
Hangul_Dikeud	0x0ea7	-
Hangul_SsangDikeud	0x0ea8	-
Hangul_Rieul	0x0ea9	-
Hangul_RieulKiyeog	0x0eaa	-

Hangul_RieulMieum	0x0eab	-
Hangul_RieulPieub	0x0eac	-
Hangul_RieulSios	0x0ead	-
Hangul_RieulTieut	0x0eae	-
Hangul_RieulPhieuf	0x0eaf	-
Hangul_RieulHieuh	0x0eb0	-
Hangul_Mieum	0x0eb1	-
Hangul_Pieub	0x0eb2	-
Hangul_SsangPieub	0x0eb3	-
Hangul_PieubSios	0x0eb4	-
Hangul_Sios	0x0eb5	-
Hangul_SsangSios	0x0eb6	-
Hangul_Ieung	0x0eb7	-
Hangul_Jieuj	0x0eb8	-
Hangul_SsangJieuj	0x0eb9	-
Hangul_Cieuc	0x0eba	-
Hangul_Khieuq	0x0ebb	-
Hangul_Tieut	0x0ebc	-
Hangul_Phieuf	0x0ebd	-
Hangul_Hieuh	0x0ebe	Hangul Vowel Characters
Hangul_A	0x0ebf	-
Hangul_AE	0x0ec0	-
Hangul_YA	0x0ec1	-
Hangul_YAE	0x0ec2	-
Hangul_EO	0x0ec3	-
Hangul_E	0x0ec4	-
Hangul_YEO	0x0ec5	-
Hangul_YE	0x0ec6	-
Hangul_O	0x0ec7	-
Hangul_WA	0x0ec8	-
Hangul_WAE	0x0ec9	-
Hangul_OE	0x0eca	-
Hangul_YO	0x0ecb	-
Hangul_U	0x0ecc	-
Hangul_WEO	0x0ecd	-
Hangul_WE	0x0ece	-



Hangul_WI	0x0ecf	-
Hangul_YU	0x0ed0	-
Hangul_EU	0x0ed1	-
Hangul_YI	0x0ed2	-
Hangul_I	0x0ed3	Hangul syllable-final (JongSeong) Characters
Hangul_J_Kiyeog	0x0ed4	-
Hangul_J_SsangKiyeog	0x0ed5	-
Hangul_J_KiyeoSios	0x0ed6	-
Hangul_J_Nieun	0x0ed7	-
Hangul_J_NieunJieuj	0x0ed8	-
Hangul_J_NieunHieuh	0x0ed9	-
Hangul_J_Dikeud	0x0eda	-
Hangul_J_Rieul	0x0edb	-
Hangul_J_RieulKiyeog	0x0edc	-
Hangul_J_RieulMieum	0x0edd	-
Hangul_J_RieulPieub	0x0ede	-
Hangul_J_RieulSios	0x0edf	-
Hangul_J_RieulTieut	0x0ee0	-
Hangul_J_RieulPhieuf	0x0ee1	-
Hangul_J_RieulHieuh	0x0ee2	-
Hangul_J_Mieum	0x0ee3	-
Hangul_J_Pieub	0x0ee4	-
Hangul_J_PieubSios	0x0ee5	-
Hangul_J_Sios	0x0ee6	-
Hangul_J_SsangSios	0x0ee7	-
Hangul_J_Ieung	0x0ee8	-
Hangul_J_Jieuj	0x0ee9	-
Hangul_J_Cieuc	0x0eea	-
Hangul_J_Khieuq	0x0eeb	-
Hangul_J_Tieut	0x0eec	-
Hangul_J_Phieuf	0x0eed	-
Hangul_J_Hieuh	0x0eee	Ancient Hangul Consonant Characters
Hangul_RieulYeorinHieuh	0x0eef	-
Hangul_SunkyeongeumMieum	0x0ef0	-
Hangul_SunkyeongeumPieub	0x0ef1	-
Hangul_PanSios	0x0ef2	-

Hangul_KkogjiDalrinleung	0x0ef3	-
Hangul_SunkyeongeumPhieuf	0x0ef4	-
Hangul_YeorinHieuh	0x0ef5	Ancient Hangul Vowel Characters
Hangul_AraeA	0x0ef6	-
Hangul_AraeAE	0x0ef7	Ancient Hangul syllable-final (JongSeong) Characters
Hangul_J_PanSios	0x0ef8	-
Hangul_J_KkogjiDalrinleung	0x0ef9	-
Hangul_J_YeorinHieuh	0x0efa	Korean currency symbol
Korean_Won	0x0eff	-
Armenian_ligature_ew	0x1000587	U+0587 ARMENIAN SMALL LIGATURE ECH YIWN
Armenian_full_stop	0x1000589	U+0589 ARMENIAN FULL STOP
Armenian_verjaket	0x1000589	U+0589 ARMENIAN FULL STOP
Armenian_separation_mark	0x100055d	U+055D ARMENIAN COMMA
Armenian_but	0x100055d	U+055D ARMENIAN COMMA
Armenian_hyphen	0x100058a	U+058A ARMENIAN HYPHEN
Armenian_yentamna	0x100058a	U+058A ARMENIAN HYPHEN
Armenian_exclam	0x100055c	U+055C ARMENIAN EXCLAMATION MARK
Armenian_amanak	0x100055c	U+055C ARMENIAN EXCLAMATION MARK
Armenian_accent	0x100055b	U+055B ARMENIAN EMPHASIS MARK
Armenian_shesht	0x100055b	U+055B ARMENIAN EMPHASIS MARK
Armenian_question	0x100055e	U+055E ARMENIAN QUESTION MARK
Armenian_paruyk	0x100055e	U+055E ARMENIAN QUESTION MARK
Armenian_AYB	0x1000531	U+0531 ARMENIAN CAPITAL LETTER AYB
Armenian_ayb	0x1000561	U+0561 ARMENIAN SMALL LETTER AYB
Armenian_BEN	0x1000532	U+0532 ARMENIAN CAPITAL LETTER BEN
Armenian_ben	0x1000562	U+0562 ARMENIAN SMALL LETTER BEN
Armenian_GIM	0x1000533	U+0533 ARMENIAN CAPITAL LETTER GIM
Armenian_gim	0x1000563	U+0563 ARMENIAN SMALL LETTER GIM
Armenian_DA	0x1000534	U+0534 ARMENIAN CAPITAL LETTER DA
Armenian_da	0x1000564	U+0564 ARMENIAN SMALL LETTER DA
Armenian_YECH	0x1000535	U+0535 ARMENIAN CAPITAL LETTER ECH
Armenian_yech	0x1000565	U+0565 ARMENIAN SMALL LETTER ECH
Armenian_ZA	0x1000536	U+0536 ARMENIAN CAPITAL LETTER ZA
Armenian_za	0x1000566	U+0566 ARMENIAN SMALL LETTER ZA
Armenian_E	0x1000537	U+0537 ARMENIAN CAPITAL LETTER EH
Armenian_e	0x1000567	U+0567 ARMENIAN SMALL LETTER EH

Armenian_AT	0x1000538	U+0538 ARMENIAN CAPITAL LETTER ET
Armenian_at	0x1000568	U+0568 ARMENIAN SMALL LETTER ET
Armenian_TO	0x1000539	U+0539 ARMENIAN CAPITAL LETTER TO
Armenian_to	0x1000569	U+0569 ARMENIAN SMALL LETTER TO
Armenian_ZHE	0x100053a	U+053A ARMENIAN CAPITAL LETTER ZHE
Armenian_zhe	0x100056a	U+056A ARMENIAN SMALL LETTER ZHE
Armenian_INI	0x100053b	U+053B ARMENIAN CAPITAL LETTER INI
Armenian_ini	0x100056b	U+056B ARMENIAN SMALL LETTER INI
Armenian_LYUN	0x100053c	U+053C ARMENIAN CAPITAL LETTER LIWN
Armenian_lyun	0x100056c	U+056C ARMENIAN SMALL LETTER LIWN
Armenian_KHE	0x100053d	U+053D ARMENIAN CAPITAL LETTER XEH
Armenian_khe	0x100056d	U+056D ARMENIAN SMALL LETTER XEH
Armenian_TSA	0x100053e	U+053E ARMENIAN CAPITAL LETTER CA
Armenian_tsa	0x100056e	U+056E ARMENIAN SMALL LETTER CA
Armenian_KEN	0x100053f	U+053F ARMENIAN CAPITAL LETTER KEN
Armenian_ken	0x100056f	U+056F ARMENIAN SMALL LETTER KEN
Armenian_HO	0x1000540	U+0540 ARMENIAN CAPITAL LETTER HO
Armenian_ho	0x1000570	U+0570 ARMENIAN SMALL LETTER HO
Armenian_DZA	0x1000541	U+0541 ARMENIAN CAPITAL LETTER JA
Armenian_dza	0x1000571	U+0571 ARMENIAN SMALL LETTER JA
Armenian_GHAT	0x1000542	U+0542 ARMENIAN CAPITAL LETTER GHAD
Armenian_ghat	0x1000572	U+0572 ARMENIAN SMALL LETTER GHAD
Armenian_TCHE	0x1000543	U+0543 ARMENIAN CAPITAL LETTER CHEH
Armenian_tche	0x1000573	U+0573 ARMENIAN SMALL LETTER CHEH
Armenian_MEN	0x1000544	U+0544 ARMENIAN CAPITAL LETTER MEN
Armenian_men	0x1000574	U+0574 ARMENIAN SMALL LETTER MEN
Armenian_HI	0x1000545	U+0545 ARMENIAN CAPITAL LETTER YI
Armenian_hi	0x1000575	U+0575 ARMENIAN SMALL LETTER YI
Armenian_NU	0x1000546	U+0546 ARMENIAN CAPITAL LETTER NOW
Armenian_nu	0x1000576	U+0576 ARMENIAN SMALL LETTER NOW
Armenian_SHA	0x1000547	U+0547 ARMENIAN CAPITAL LETTER SHA
Armenian_sha	0x1000577	U+0577 ARMENIAN SMALL LETTER SHA
Armenian_VO	0x1000548	U+0548 ARMENIAN CAPITAL LETTER VO
Armenian_vo	0x1000578	U+0578 ARMENIAN SMALL LETTER VO
Armenian_CHA	0x1000549	U+0549 ARMENIAN CAPITAL LETTER CHA
Armenian_cha	0x1000579	U+0579 ARMENIAN SMALL LETTER CHA

Armenian_PE	0x100054a	U+054A ARMENIAN CAPITAL LETTER PEH
Armenian_pe	0x100057a	U+057A ARMENIAN SMALL LETTER PEH
Armenian_JE	0x100054b	U+054B ARMENIAN CAPITAL LETTER JHEH
Armenian_je	0x100057b	U+057B ARMENIAN SMALL LETTER JHEH
Armenian_RA	0x100054c	U+054C ARMENIAN CAPITAL LETTER RA
Armenian_ra	0x100057c	U+057C ARMENIAN SMALL LETTER RA
Armenian_SE	0x100054d	U+054D ARMENIAN CAPITAL LETTER SEH
Armenian_se	0x100057d	U+057D ARMENIAN SMALL LETTER SEH
Armenian_VEV	0x100054e	U+054E ARMENIAN CAPITAL LETTER VEW
Armenian_vev	0x100057e	U+057E ARMENIAN SMALL LETTER VEW
Armenian_TYUN	0x100054f	U+054F ARMENIAN CAPITAL LETTER TIWN
Armenian_tyun	0x100057f	U+057F ARMENIAN SMALL LETTER TIWN
Armenian_RE	0x1000550	U+0550 ARMENIAN CAPITAL LETTER REH
Armenian_re	0x1000580	U+0580 ARMENIAN SMALL LETTER REH
Armenian_TSO	0x1000551	U+0551 ARMENIAN CAPITAL LETTER CO
Armenian_tso	0x1000581	U+0581 ARMENIAN SMALL LETTER CO
Armenian_VYUN	0x1000552	U+0552 ARMENIAN CAPITAL LETTER YIWN
Armenian_vyun	0x1000582	U+0582 ARMENIAN SMALL LETTER YIWN
Armenian_PYUR	0x1000553	U+0553 ARMENIAN CAPITAL LETTER PIWR
Armenian_pyur	0x1000583	U+0583 ARMENIAN SMALL LETTER PIWR
Armenian_KE	0x1000554	U+0554 ARMENIAN CAPITAL LETTER KEH
Armenian_ke	0x1000584	U+0584 ARMENIAN SMALL LETTER KEH
Armenian_O	0x1000555	U+0555 ARMENIAN CAPITAL LETTER OH
Armenian_o	0x1000585	U+0585 ARMENIAN SMALL LETTER OH
Armenian_FE	0x1000556	U+0556 ARMENIAN CAPITAL LETTER FEH
Armenian_fe	0x1000586	U+0586 ARMENIAN SMALL LETTER FEH
Armenian_apostrophe	0x100055a	U+055A ARMENIAN APOSTROPHE
Georgian_an	0x10010d0	U+10D0 GEORGIAN LETTER AN
Georgian_ban	0x10010d1	U+10D1 GEORGIAN LETTER BAN
Georgian_gan	0x10010d2	U+10D2 GEORGIAN LETTER GAN
Georgian_don	0x10010d3	U+10D3 GEORGIAN LETTER DON
Georgian_en	0x10010d4	U+10D4 GEORGIAN LETTER EN
Georgian_vin	0x10010d5	U+10D5 GEORGIAN LETTER VIN
Georgian_zen	0x10010d6	U+10D6 GEORGIAN LETTER ZEN
Georgian_tan	0x10010d7	U+10D7 GEORGIAN LETTER TAN
Georgian_in	0x10010d8	U+10D8 GEORGIAN LETTER IN

Georgian_kan	0x10010d9	U+10D9 GEORGIAN LETTER KAN
Georgian_las	0x10010da	U+10DA GEORGIAN LETTER LAS
Georgian_man	0x10010db	U+10DB GEORGIAN LETTER MAN
Georgian_nar	0x10010dc	U+10DC GEORGIAN LETTER NAR
Georgian_on	0x10010dd	U+10DD GEORGIAN LETTER ON
Georgian_par	0x10010de	U+10DE GEORGIAN LETTER PAR
Georgian_zhar	0x10010df	U+10DF GEORGIAN LETTER ZHAR
Georgian_rae	0x10010e0	U+10E0 GEORGIAN LETTER RAE
Georgian_san	0x10010e1	U+10E1 GEORGIAN LETTER SAN
Georgian_tar	0x10010e2	U+10E2 GEORGIAN LETTER TAR
Georgian_un	0x10010e3	U+10E3 GEORGIAN LETTER UN
Georgian_phar	0x10010e4	U+10E4 GEORGIAN LETTER PHAR
Georgian_khar	0x10010e5	U+10E5 GEORGIAN LETTER KHAR
Georgian_ghan	0x10010e6	U+10E6 GEORGIAN LETTER GHAN
Georgian_qar	0x10010e7	U+10E7 GEORGIAN LETTER QAR
Georgian_shin	0x10010e8	U+10E8 GEORGIAN LETTER SHIN
Georgian_chin	0x10010e9	U+10E9 GEORGIAN LETTER CHIN
Georgian_can	0x10010ea	U+10EA GEORGIAN LETTER CAN
Georgian_jil	0x10010eb	U+10EB GEORGIAN LETTER JIL
Georgian_cil	0x10010ec	U+10EC GEORGIAN LETTER CIL
Georgian_char	0x10010ed	U+10ED GEORGIAN LETTER CHAR
Georgian_xan	0x10010ee	U+10EE GEORGIAN LETTER XAN
Georgian_jhan	0x10010ef	U+10EF GEORGIAN LETTER JHAN
Georgian_hae	0x10010f0	U+10F0 GEORGIAN LETTER HAE
Georgian_he	0x10010f1	U+10F1 GEORGIAN LETTER HE
Georgian_hie	0x10010f2	U+10F2 GEORGIAN LETTER HIE
Georgian_we	0x10010f3	U+10F3 GEORGIAN LETTER WE
Georgian_har	0x10010f4	U+10F4 GEORGIAN LETTER HAR
Georgian_hoe	0x10010f5	U+10F5 GEORGIAN LETTER HOE
Georgian_fi	0x10010f6	U+10F6 GEORGIAN LETTER FI
Xabovedot	0x1001e8a	U+1E8A LATIN CAPITAL LETTER X WITH DOT ABOVE
Ibreve	0x100012c	U+012C LATIN CAPITAL LETTER I WITH BREVE
Zstroke	0x10001b5	U+01B5 LATIN CAPITAL LETTER Z WITH STROKE
Gcaron	0x10001e6	U+01E6 LATIN CAPITAL LETTER G WITH CARON
Ocaron	0x10001d1	U+01D2 LATIN CAPITAL LETTER O WITH CARON
Obarred	0x100019f	U+019F LATIN CAPITAL LETTER O WITH MIDDLE TILDE

xabovedot	0x1001e8b	U+1E8B LATIN SMALL LETTER X WITH DOT ABOVE
ibreve	0x100012d	U+012D LATIN SMALL LETTER I WITH BREVE
zstroke	0x10001b6	U+01B6 LATIN SMALL LETTER Z WITH STROKE
gcaron	0x10001e7	U+01E7 LATIN SMALL LETTER G WITH CARON
ocaron	0x10001d2	U+01D2 LATIN SMALL LETTER O WITH CARON
obarred	0x1000275	U+0275 LATIN SMALL LETTER BARRED O
SCHWA	0x100018f	U+018F LATIN CAPITAL LETTER SCHWA
schwa	0x1000259	U+0259 LATIN SMALL LETTER SCHWA
EZH	0x10001b7	U+01B7 LATIN CAPITAL LETTER EZH
ezh	0x1000292	For Inupiak
Lbelowdot	0x1001e36	U+1E36 LATIN CAPITAL LETTER L WITH DOT BELOW
lbelowdot	0x1001e37	U+1E37 LATIN SMALL LETTER L WITH DOT BELOW
Abelowdot	0x1001ea0	U+1EA0 LATIN CAPITAL LETTER A WITH DOT BELOW
abelowdot	0x1001ea1	U+1EA1 LATIN SMALL LETTER A WITH DOT BELOW
Ahook	0x1001ea2	U+1EA2 LATIN CAPITAL LETTER A WITH HOOK ABOVE
ahook	0x1001ea3	U+1EA3 LATIN SMALL LETTER A WITH HOOK ABOVE
Acircumflexacute	0x1001ea4	U+1EA4 LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND ACUTE
acircumflexacute	0x1001ea5	U+1EA5 LATIN SMALL LETTER A WITH CIRCUMFLEX AND ACUTE
Acircumflexgrave	0x1001ea6	U+1EA6 LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND GRAVE
acircumflexgrave	0x1001ea7	U+1EA7 LATIN SMALL LETTER A WITH CIRCUMFLEX AND GRAVE
Acircumflexhook	0x1001ea8	U+1EA8 LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND HOOK ABOVE
acircumflexhook	0x1001ea9	U+1EA9 LATIN SMALL LETTER A WITH CIRCUMFLEX AND HOOK ABOVE
Acircumflextilde	0x1001eaa	U+1EAA LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND TILDE
acircumflextilde	0x1001eab	U+1EAB LATIN SMALL LETTER A WITH CIRCUMFLEX AND TILDE
Acircumflexbelowdot	0x1001eac	U+1EAC LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND DOT BELOW
acircumflexbelowdot	0x1001ead	U+1EAD LATIN SMALL LETTER A WITH CIRCUMFLEX AND DOT BELOW
Abreveacute	0x1001eae	U+1EAE LATIN CAPITAL LETTER A WITH BREVE AND ACUTE
abreveacute	0x1001eaf	U+1EAF LATIN SMALL LETTER A WITH BREVE AND ACUTE
Abrevegrave	0x1001eb0	U+1EB0 LATIN CAPITAL LETTER A WITH BREVE AND GRAVE
abrevegrave	0x1001eb1	U+1EB1 LATIN SMALL LETTER A WITH BREVE AND GRAVE

Abrevehook	0x1001eb2	U+1EB2 LATIN CAPITAL LETTER A WITH BREVE AND HOOK ABOVE
abrevehook	0x1001eb3	U+1EB3 LATIN SMALL LETTER A WITH BREVE AND HOOK ABOVE
Abrevetilde	0x1001eb4	U+1EB4 LATIN CAPITAL LETTER A WITH BREVE AND TILDE
abrevetilde	0x1001eb5	U+1EB5 LATIN SMALL LETTER A WITH BREVE AND TILDE
Abrevebelowdot	0x1001eb6	U+1EB6 LATIN CAPITAL LETTER A WITH BREVE AND DOT BELOW
abrevebelowdot	0x1001eb7	U+1EB7 LATIN SMALL LETTER A WITH BREVE AND DOT BELOW
Ebelowdot	0x1001eb8	U+1EB8 LATIN CAPITAL LETTER E WITH DOT BELOW
ebelowdot	0x1001eb9	U+1EB9 LATIN SMALL LETTER E WITH DOT BELOW
Ehook	0x1001eba	U+1EBA LATIN CAPITAL LETTER E WITH HOOK ABOVE
ehook	0x1001ebb	U+1EBB LATIN SMALL LETTER E WITH HOOK ABOVE
Etilde	0x1001ebc	U+1EBC LATIN CAPITAL LETTER E WITH TILDE
etilde	0x1001ebd	U+1EBD LATIN SMALL LETTER E WITH TILDE
Ecircumflexacute	0x1001ebe	U+1EBE LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND ACUTE
ecircumflexacute	0x1001ebf	U+1EBF LATIN SMALL LETTER E WITH CIRCUMFLEX AND ACUTE
Ecircumflexgrave	0x1001ec0	U+1EC0 LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND GRAVE
ecircumflexgrave	0x1001ec1	U+1EC1 LATIN SMALL LETTER E WITH CIRCUMFLEX AND GRAVE
Ecircumflexhook	0x1001ec2	U+1EC2 LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND HOOK ABOVE
ecircumflexhook	0x1001ec3	U+1EC3 LATIN SMALL LETTER E WITH CIRCUMFLEX AND HOOK ABOVE
Ecircumflextilde	0x1001ec4	U+1EC4 LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND TILDE
ecircumflextilde	0x1001ec5	U+1EC5 LATIN SMALL LETTER E WITH CIRCUMFLEX AND TILDE
Ecircumflexbelowdot	0x1001ec6	U+1EC6 LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND DOT BELOW
ecircumflexbelowdot	0x1001ec7	U+1EC7 LATIN SMALL LETTER E WITH CIRCUMFLEX AND DOT BELOW
Ihook	0x1001ec8	U+1EC8 LATIN CAPITAL LETTER I WITH HOOK ABOVE
ihook	0x1001ec9	U+1EC9 LATIN SMALL LETTER I WITH HOOK ABOVE
Ibelowdot	0x1001eca	U+1ECA LATIN CAPITAL LETTER I WITH DOT BELOW
ibelowdot	0x1001ecb	U+1ECB LATIN SMALL LETTER I WITH DOT BELOW
Obelowdot	0x1001ecc	U+1ECC LATIN CAPITAL LETTER O WITH DOT BELOW
obelowdot	0x1001ecd	U+1ECD LATIN SMALL LETTER O WITH DOT BELOW
Ohook	0x1001ece	U+1ECE LATIN CAPITAL LETTER O WITH HOOK ABOVE

ohook	0x1001ecf	U+1ECF LATIN SMALL LETTER O WITH HOOK ABOVE
Ocircumflexacute	0x1001ed0	U+1ED0 LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND ACUTE
ocircumflexacute	0x1001ed1	U+1ED1 LATIN SMALL LETTER O WITH CIRCUMFLEX AND ACUTE
Ocircumflexgrave	0x1001ed2	U+1ED2 LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND GRAVE
ocircumflexgrave	0x1001ed3	U+1ED3 LATIN SMALL LETTER O WITH CIRCUMFLEX AND GRAVE
Ocircumflexhook	0x1001ed4	U+1ED4 LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND HOOK ABOVE
ocircumflexhook	0x1001ed5	U+1ED5 LATIN SMALL LETTER O WITH CIRCUMFLEX AND HOOK ABOVE
Ocircumflextilde	0x1001ed6	U+1ED6 LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND TILDE
ocircumflextilde	0x1001ed7	U+1ED7 LATIN SMALL LETTER O WITH CIRCUMFLEX AND TILDE
Ocircumflexbelowdot	0x1001ed8	U+1ED8 LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND DOT BELOW
ocircumflexbelowdot	0x1001ed9	U+1ED9 LATIN SMALL LETTER O WITH CIRCUMFLEX AND DOT BELOW
Ohornacute	0x1001eda	U+1EDA LATIN CAPITAL LETTER O WITH HORN AND ACUTE
ohornacute	0x1001edb	U+1EDB LATIN SMALL LETTER O WITH HORN AND ACUTE
Ohorngrave	0x1001edc	U+1EDC LATIN CAPITAL LETTER O WITH HORN AND GRAVE
ohorngrave	0x1001edd	U+1EDD LATIN SMALL LETTER O WITH HORN AND GRAVE
Ohornhook	0x1001ede	U+1EDE LATIN CAPITAL LETTER O WITH HORN AND HOOK ABOVE
ohornhook	0x1001edf	U+1EDF LATIN SMALL LETTER O WITH HORN AND HOOK ABOVE
Ohorntilde	0x1001ee0	U+1EE0 LATIN CAPITAL LETTER O WITH HORN AND TILDE
ohorntilde	0x1001ee1	U+1EE1 LATIN SMALL LETTER O WITH HORN AND TILDE
Ohornbelowdot	0x1001ee2	U+1EE2 LATIN CAPITAL LETTER O WITH HORN AND DOT BELOW
ohornbelowdot	0x1001ee3	U+1EE3 LATIN SMALL LETTER O WITH HORN AND DOT BELOW
Ubelowdot	0x1001ee4	U+1EE4 LATIN CAPITAL LETTER U WITH DOT BELOW
ubelowdot	0x1001ee5	U+1EE5 LATIN SMALL LETTER U WITH DOT BELOW
Uhook	0x1001ee6	U+1EE6 LATIN CAPITAL LETTER U WITH HOOK ABOVE
uhook	0x1001ee7	U+1EE7 LATIN SMALL LETTER U WITH HOOK ABOVE
Uhornacute	0x1001ee8	U+1EE8 LATIN CAPITAL LETTER U WITH HORN AND ACUTE



uhornacute	0x1001ee9	U+1EE9 LATIN SMALL LETTER U WITH HORN AND ACUTE
Uhorngrave	0x1001eea	U+1EEA LATIN CAPITAL LETTER U WITH HORN AND GRAVE
uhorngrave	0x1001eeb	U+1EEB LATIN SMALL LETTER U WITH HORN AND GRAVE
Uhornhook	0x1001eec	U+1EEC LATIN CAPITAL LETTER U WITH HORN AND HOOK ABOVE
uhornhook	0x1001eed	U+1EED LATIN SMALL LETTER U WITH HORN AND HOOK ABOVE
Uhorntilde	0x1001eee	U+1EEE LATIN CAPITAL LETTER U WITH HORN AND TILDE
uhorntilde	0x1001eef	U+1EEF LATIN SMALL LETTER U WITH HORN AND TILDE
Uhornbelowdot	0x1001ef0	U+1EF0 LATIN CAPITAL LETTER U WITH HORN AND DOT BELOW
uhornbelowdot	0x1001ef1	U+1EF1 LATIN SMALL LETTER U WITH HORN AND DOT BELOW
Ybelowdot	0x1001ef4	U+1EF4 LATIN CAPITAL LETTER Y WITH DOT BELOW
ybelowdot	0x1001ef5	U+1EF5 LATIN SMALL LETTER Y WITH DOT BELOW
Yhook	0x1001ef6	U+1EF6 LATIN CAPITAL LETTER Y WITH HOOK ABOVE
yhook	0x1001ef7	U+1EF7 LATIN SMALL LETTER Y WITH HOOK ABOVE
Ytilde	0x1001ef8	U+1EF8 LATIN CAPITAL LETTER Y WITH TILDE
ytilde	0x1001ef9	U+1EF9 LATIN SMALL LETTER Y WITH TILDE
Ohorn	0x10001a0	U+01A0 LATIN CAPITAL LETTER O WITH HORN
ohorn	0x10001a1	U+01A1 LATIN SMALL LETTER O WITH HORN
Uhorn	0x10001af	U+01AF LATIN CAPITAL LETTER U WITH HORN
uhorn	0x10001b0	U+01B0 LATIN SMALL LETTER U WITH HORN
EcuSign	0x10020a0	U+20A0 EURO-CURRENCY SIGN
ColonSign	0x10020a1	U+20A1 COLON SIGN
CruzeiroSign	0x10020a2	U+20A2 CRUZEIRO SIGN
FFrancSign	0x10020a3	U+20A3 FRENCH FRANC SIGN
LiraSign	0x10020a4	U+20A4 LIRA SIGN
MillSign	0x10020a5	U+20A5 MILL SIGN
NairaSign	0x10020a6	U+20A6 NAIRA SIGN
PesetaSign	0x10020a7	U+20A7 PESETA SIGN
RupeeSign	0x10020a8	U+20A8 RUPEE SIGN
WonSign	0x10020a9	U+20A9 WON SIGN
NewSheqelSign	0x10020aa	U+20AA NEW SHEQEL SIGN
DongSign	0x10020ab	U+20AB DONG SIGN
EuroSign	0x20ac	U+20AC EURO SIGN

zerosuperior	0x1002070	U+2070 SUPERSCRIPT ZERO
foursuperior	0x1002074	U+2074 SUPERSCRIPT FOUR
fivesuperior	0x1002075	U+2075 SUPERSCRIPT FIVE
sixsuperior	0x1002076	U+2076 SUPERSCRIPT SIX
sevensuperior	0x1002077	U+2077 SUPERSCRIPT SEVEN
eightsuperior	0x1002078	U+2078 SUPERSCRIPT EIGHT
ninesuperior	0x1002079	U+2079 SUPERSCRIPT NINE
zerosubscript	0x1002080	U+2080 SUBSCRIPT ZERO
onesubscript	0x1002081	U+2081 SUBSCRIPT ONE
twosubscript	0x1002082	U+2082 SUBSCRIPT TWO
threesubscript	0x1002083	U+2083 SUBSCRIPT THREE
foursubscript	0x1002084	U+2084 SUBSCRIPT FOUR
fivesubscript	0x1002085	U+2085 SUBSCRIPT FIVE
sixsubscript	0x1002086	U+2086 SUBSCRIPT SIX
sevensubscript	0x1002087	U+2087 SUBSCRIPT SEVEN
eightsubscript	0x1002088	U+2088 SUBSCRIPT EIGHT
ninesubscript	0x1002089	U+2089 SUBSCRIPT NINE
partdifferential	0x1002202	U+2202 PARTIAL DIFFERENTIAL
emptyset	0x1002205	U+2205 NULL SET
elementof	0x1002208	U+2208 ELEMENT OF
notelementof	0x1002209	U+2209 NOT AN ELEMENT OF
containsas	0x100220B	U+220B CONTAINS AS MEMBER
squareroot	0x100221A	U+221A SQUARE ROOT
cuberoot	0x100221B	U+221B CUBE ROOT
fourthroot	0x100221C	U+221C FOURTH ROOT
dintegral	0x100222C	U+222C DOUBLE INTEGRAL
tintegral	0x100222D	U+222D TRIPLE INTEGRAL
because	0x1002235	U+2235 BECAUSE
approxeq	0x1002248	U+2245 ALMOST EQUAL TO
notapproxeq	0x1002247	U+2247 NOT ALMOST EQUAL TO
notidentical	0x1002262	U+2262 NOT IDENTICAL TO
stricteq	0x1002263	U+2263 STRICTLY EQUIVALENT TO
braille_dot_1	0xfff1	-
braille_dot_2	0xfff2	-
braille_dot_3	0xfff3	-
braille_dot_4	0xfff4	-

braille_dot_5	0xfff5	-
braille_dot_6	0xfff6	-
braille_dot_7	0xfff7	-
braille_dot_8	0xfff8	-
braille_dot_9	0xfff9	-
braille_dot_10	0xfffa	-
braille_blank	0x1002800	U+2800 BRAILLE PATTERN BLANK
braille_dots_1	0x1002801	U+2801 BRAILLE PATTERN DOTS-1
braille_dots_2	0x1002802	U+2802 BRAILLE PATTERN DOTS-2
braille_dots_12	0x1002803	U+2803 BRAILLE PATTERN DOTS-12
braille_dots_3	0x1002804	U+2804 BRAILLE PATTERN DOTS-3
braille_dots_13	0x1002805	U+2805 BRAILLE PATTERN DOTS-13
braille_dots_23	0x1002806	U+2806 BRAILLE PATTERN DOTS-23
braille_dots_123	0x1002807	U+2807 BRAILLE PATTERN DOTS-123
braille_dots_4	0x1002808	U+2808 BRAILLE PATTERN DOTS-4
braille_dots_14	0x1002809	U+2809 BRAILLE PATTERN DOTS-14
braille_dots_24	0x100280a	U+280a BRAILLE PATTERN DOTS-24
braille_dots_124	0x100280b	U+280b BRAILLE PATTERN DOTS-124
braille_dots_34	0x100280c	U+280c BRAILLE PATTERN DOTS-34
braille_dots_134	0x100280d	U+280d BRAILLE PATTERN DOTS-134
braille_dots_234	0x100280e	U+280e BRAILLE PATTERN DOTS-234
braille_dots_1234	0x100280f	U+280f BRAILLE PATTERN DOTS-1234
braille_dots_5	0x1002810	U+2810 BRAILLE PATTERN DOTS-5
braille_dots_15	0x1002811	U+2811 BRAILLE PATTERN DOTS-15
braille_dots_25	0x1002812	U+2812 BRAILLE PATTERN DOTS-25
braille_dots_125	0x1002813	U+2813 BRAILLE PATTERN DOTS-125
braille_dots_35	0x1002814	U+2814 BRAILLE PATTERN DOTS-35
braille_dots_135	0x1002815	U+2815 BRAILLE PATTERN DOTS-135
braille_dots_235	0x1002816	U+2816 BRAILLE PATTERN DOTS-235
braille_dots_1235	0x1002817	U+2817 BRAILLE PATTERN DOTS-1235
braille_dots_45	0x1002818	U+2818 BRAILLE PATTERN DOTS-45
braille_dots_145	0x1002819	U+2819 BRAILLE PATTERN DOTS-145
braille_dots_245	0x100281a	U+281a BRAILLE PATTERN DOTS-245
braille_dots_1245	0x100281b	U+281b BRAILLE PATTERN DOTS-1245
braille_dots_345	0x100281c	U+281c BRAILLE PATTERN DOTS-345
braille_dots_1345	0x100281d	U+281d BRAILLE PATTERN DOTS-1345

braille_dots_2345	0x100281e	U+281e BRAILLE PATTERN DOTS-2345
braille_dots_12345	0x100281f	U+281f BRAILLE PATTERN DOTS-12345
braille_dots_6	0x1002820	U+2820 BRAILLE PATTERN DOTS-6
braille_dots_16	0x1002821	U+2821 BRAILLE PATTERN DOTS-16
braille_dots_26	0x1002822	U+2822 BRAILLE PATTERN DOTS-26
braille_dots_126	0x1002823	U+2823 BRAILLE PATTERN DOTS-126
braille_dots_36	0x1002824	U+2824 BRAILLE PATTERN DOTS-36
braille_dots_136	0x1002825	U+2825 BRAILLE PATTERN DOTS-136
braille_dots_236	0x1002826	U+2826 BRAILLE PATTERN DOTS-236
braille_dots_1236	0x1002827	U+2827 BRAILLE PATTERN DOTS-1236
braille_dots_46	0x1002828	U+2828 BRAILLE PATTERN DOTS-46
braille_dots_146	0x1002829	U+2829 BRAILLE PATTERN DOTS-146
braille_dots_246	0x100282a	U+282a BRAILLE PATTERN DOTS-246
braille_dots_1246	0x100282b	U+282b BRAILLE PATTERN DOTS-1246
braille_dots_346	0x100282c	U+282c BRAILLE PATTERN DOTS-346
braille_dots_1346	0x100282d	U+282d BRAILLE PATTERN DOTS-1346
braille_dots_2346	0x100282e	U+282e BRAILLE PATTERN DOTS-2346
braille_dots_12346	0x100282f	U+282f BRAILLE PATTERN DOTS-12346
braille_dots_56	0x1002830	U+2830 BRAILLE PATTERN DOTS-56
braille_dots_156	0x1002831	U+2831 BRAILLE PATTERN DOTS-156
braille_dots_256	0x1002832	U+2832 BRAILLE PATTERN DOTS-256
braille_dots_1256	0x1002833	U+2833 BRAILLE PATTERN DOTS-1256
braille_dots_356	0x1002834	U+2834 BRAILLE PATTERN DOTS-356
braille_dots_1356	0x1002835	U+2835 BRAILLE PATTERN DOTS-1356
braille_dots_2356	0x1002836	U+2836 BRAILLE PATTERN DOTS-2356
braille_dots_12356	0x1002837	U+2837 BRAILLE PATTERN DOTS-12356
braille_dots_456	0x1002838	U+2838 BRAILLE PATTERN DOTS-456
braille_dots_1456	0x1002839	U+2839 BRAILLE PATTERN DOTS-1456
braille_dots_2456	0x100283a	U+283a BRAILLE PATTERN DOTS-2456
braille_dots_12456	0x100283b	U+283b BRAILLE PATTERN DOTS-12456
braille_dots_3456	0x100283c	U+283c BRAILLE PATTERN DOTS-3456
braille_dots_13456	0x100283d	U+283d BRAILLE PATTERN DOTS-13456
braille_dots_23456	0x100283e	U+283e BRAILLE PATTERN DOTS-23456
braille_dots_123456	0x100283f	U+283f BRAILLE PATTERN DOTS-123456
braille_dots_7	0x1002840	U+2840 BRAILLE PATTERN DOTS-7
braille_dots_17	0x1002841	U+2841 BRAILLE PATTERN DOTS-17

braille_dots_27	0x1002842	U+2842 BRAILLE PATTERN DOTS-27
braille_dots_127	0x1002843	U+2843 BRAILLE PATTERN DOTS-127
braille_dots_37	0x1002844	U+2844 BRAILLE PATTERN DOTS-37
braille_dots_137	0x1002845	U+2845 BRAILLE PATTERN DOTS-137
braille_dots_237	0x1002846	U+2846 BRAILLE PATTERN DOTS-237
braille_dots_1237	0x1002847	U+2847 BRAILLE PATTERN DOTS-1237
braille_dots_47	0x1002848	U+2848 BRAILLE PATTERN DOTS-47
braille_dots_147	0x1002849	U+2849 BRAILLE PATTERN DOTS-147
braille_dots_247	0x100284a	U+284a BRAILLE PATTERN DOTS-247
braille_dots_1247	0x100284b	U+284b BRAILLE PATTERN DOTS-1247
braille_dots_347	0x100284c	U+284c BRAILLE PATTERN DOTS-347
braille_dots_1347	0x100284d	U+284d BRAILLE PATTERN DOTS-1347
braille_dots_2347	0x100284e	U+284e BRAILLE PATTERN DOTS-2347
braille_dots_12347	0x100284f	U+284f BRAILLE PATTERN DOTS-12347
braille_dots_57	0x1002850	U+2850 BRAILLE PATTERN DOTS-57
braille_dots_157	0x1002851	U+2851 BRAILLE PATTERN DOTS-157
braille_dots_257	0x1002852	U+2852 BRAILLE PATTERN DOTS-257
braille_dots_1257	0x1002853	U+2853 BRAILLE PATTERN DOTS-1257
braille_dots_357	0x1002854	U+2854 BRAILLE PATTERN DOTS-357
braille_dots_1357	0x1002855	U+2855 BRAILLE PATTERN DOTS-1357
braille_dots_2357	0x1002856	U+2856 BRAILLE PATTERN DOTS-2357
braille_dots_12357	0x1002857	U+2857 BRAILLE PATTERN DOTS-12357
braille_dots_457	0x1002858	U+2858 BRAILLE PATTERN DOTS-457
braille_dots_1457	0x1002859	U+2859 BRAILLE PATTERN DOTS-1457
braille_dots_2457	0x100285a	U+285a BRAILLE PATTERN DOTS-2457
braille_dots_12457	0x100285b	U+285b BRAILLE PATTERN DOTS-12457
braille_dots_3457	0x100285c	U+285c BRAILLE PATTERN DOTS-3457
braille_dots_13457	0x100285d	U+285d BRAILLE PATTERN DOTS-13457
braille_dots_23457	0x100285e	U+285e BRAILLE PATTERN DOTS-23457
braille_dots_123457	0x100285f	U+285f BRAILLE PATTERN DOTS-123457
braille_dots_67	0x1002860	U+2860 BRAILLE PATTERN DOTS-67
braille_dots_167	0x1002861	U+2861 BRAILLE PATTERN DOTS-167
braille_dots_267	0x1002862	U+2862 BRAILLE PATTERN DOTS-267
braille_dots_1267	0x1002863	U+2863 BRAILLE PATTERN DOTS-1267
braille_dots_367	0x1002864	U+2864 BRAILLE PATTERN DOTS-367
braille_dots_1367	0x1002865	U+2865 BRAILLE PATTERN DOTS-1367

braille_dots_2367	0x1002866	U+2866 BRAILLE PATTERN DOTS-2367
braille_dots_12367	0x1002867	U+2867 BRAILLE PATTERN DOTS-12367
braille_dots_467	0x1002868	U+2868 BRAILLE PATTERN DOTS-467
braille_dots_1467	0x1002869	U+2869 BRAILLE PATTERN DOTS-1467
braille_dots_2467	0x100286a	U+286a BRAILLE PATTERN DOTS-2467
braille_dots_12467	0x100286b	U+286b BRAILLE PATTERN DOTS-12467
braille_dots_3467	0x100286c	U+286c BRAILLE PATTERN DOTS-3467
braille_dots_13467	0x100286d	U+286d BRAILLE PATTERN DOTS-13467
braille_dots_23467	0x100286e	U+286e BRAILLE PATTERN DOTS-23467
braille_dots_123467	0x100286f	U+286f BRAILLE PATTERN DOTS-123467
braille_dots_567	0x1002870	U+2870 BRAILLE PATTERN DOTS-567
braille_dots_1567	0x1002871	U+2871 BRAILLE PATTERN DOTS-1567
braille_dots_2567	0x1002872	U+2872 BRAILLE PATTERN DOTS-2567
braille_dots_12567	0x1002873	U+2873 BRAILLE PATTERN DOTS-12567
braille_dots_3567	0x1002874	U+2874 BRAILLE PATTERN DOTS-3567
braille_dots_13567	0x1002875	U+2875 BRAILLE PATTERN DOTS-13567
braille_dots_23567	0x1002876	U+2876 BRAILLE PATTERN DOTS-23567
braille_dots_123567	0x1002877	U+2877 BRAILLE PATTERN DOTS-123567
braille_dots_4567	0x1002878	U+2878 BRAILLE PATTERN DOTS-4567
braille_dots_14567	0x1002879	U+2879 BRAILLE PATTERN DOTS-14567
braille_dots_24567	0x100287a	U+287a BRAILLE PATTERN DOTS-24567
braille_dots_124567	0x100287b	U+287b BRAILLE PATTERN DOTS-124567
braille_dots_34567	0x100287c	U+287c BRAILLE PATTERN DOTS-34567
braille_dots_134567	0x100287d	U+287d BRAILLE PATTERN DOTS-134567
braille_dots_234567	0x100287e	U+287e BRAILLE PATTERN DOTS-234567
braille_dots_1234567	0x100287f	U+287f BRAILLE PATTERN DOTS-1234567
braille_dots_8	0x1002880	U+2880 BRAILLE PATTERN DOTS-8
braille_dots_18	0x1002881	U+2881 BRAILLE PATTERN DOTS-18
braille_dots_28	0x1002882	U+2882 BRAILLE PATTERN DOTS-28
braille_dots_128	0x1002883	U+2883 BRAILLE PATTERN DOTS-128
braille_dots_38	0x1002884	U+2884 BRAILLE PATTERN DOTS-38
braille_dots_138	0x1002885	U+2885 BRAILLE PATTERN DOTS-138
braille_dots_238	0x1002886	U+2886 BRAILLE PATTERN DOTS-238
braille_dots_1238	0x1002887	U+2887 BRAILLE PATTERN DOTS-1238
braille_dots_48	0x1002888	U+2888 BRAILLE PATTERN DOTS-48
braille_dots_148	0x1002889	U+2889 BRAILLE PATTERN DOTS-148

braille_dots_248	0x100288a	U+288a BRAILLE PATTERN DOTS-248
braille_dots_1248	0x100288b	U+288b BRAILLE PATTERN DOTS-1248
braille_dots_348	0x100288c	U+288c BRAILLE PATTERN DOTS-348
braille_dots_1348	0x100288d	U+288d BRAILLE PATTERN DOTS-1348
braille_dots_2348	0x100288e	U+288e BRAILLE PATTERN DOTS-2348
braille_dots_12348	0x100288f	U+288f BRAILLE PATTERN DOTS-12348
braille_dots_58	0x1002890	U+2890 BRAILLE PATTERN DOTS-58
braille_dots_158	0x1002891	U+2891 BRAILLE PATTERN DOTS-158
braille_dots_258	0x1002892	U+2892 BRAILLE PATTERN DOTS-258
braille_dots_1258	0x1002893	U+2893 BRAILLE PATTERN DOTS-1258
braille_dots_358	0x1002894	U+2894 BRAILLE PATTERN DOTS-358
braille_dots_1358	0x1002895	U+2895 BRAILLE PATTERN DOTS-1358
braille_dots_2358	0x1002896	U+2896 BRAILLE PATTERN DOTS-2358
braille_dots_12358	0x1002897	U+2897 BRAILLE PATTERN DOTS-12358
braille_dots_458	0x1002898	U+2898 BRAILLE PATTERN DOTS-458
braille_dots_1458	0x1002899	U+2899 BRAILLE PATTERN DOTS-1458
braille_dots_2458	0x100289a	U+289a BRAILLE PATTERN DOTS-2458
braille_dots_12458	0x100289b	U+289b BRAILLE PATTERN DOTS-12458
braille_dots_3458	0x100289c	U+289c BRAILLE PATTERN DOTS-3458
braille_dots_13458	0x100289d	U+289d BRAILLE PATTERN DOTS-13458
braille_dots_23458	0x100289e	U+289e BRAILLE PATTERN DOTS-23458
braille_dots_123458	0x100289f	U+289f BRAILLE PATTERN DOTS-123458
braille_dots_68	0x10028a0	U+28a0 BRAILLE PATTERN DOTS-68
braille_dots_168	0x10028a1	U+28a1 BRAILLE PATTERN DOTS-168
braille_dots_268	0x10028a2	U+28a2 BRAILLE PATTERN DOTS-268
braille_dots_1268	0x10028a3	U+28a3 BRAILLE PATTERN DOTS-1268
braille_dots_368	0x10028a4	U+28a4 BRAILLE PATTERN DOTS-368
braille_dots_1368	0x10028a5	U+28a5 BRAILLE PATTERN DOTS-1368
braille_dots_2368	0x10028a6	U+28a6 BRAILLE PATTERN DOTS-2368
braille_dots_12368	0x10028a7	U+28a7 BRAILLE PATTERN DOTS-12368
braille_dots_468	0x10028a8	U+28a8 BRAILLE PATTERN DOTS-468
braille_dots_1468	0x10028a9	U+28a9 BRAILLE PATTERN DOTS-1468
braille_dots_2468	0x10028aa	U+28aa BRAILLE PATTERN DOTS-2468
braille_dots_12468	0x10028ab	U+28ab BRAILLE PATTERN DOTS-12468
braille_dots_3468	0x10028ac	U+28ac BRAILLE PATTERN DOTS-3468
braille_dots_13468	0x10028ad	U+28ad BRAILLE PATTERN DOTS-13468

braille_dots_23468	0x10028ae	U+28ae BRAILLE PATTERN DOTS-23468
braille_dots_123468	0x10028af	U+28af BRAILLE PATTERN DOTS-123468
braille_dots_568	0x10028b0	U+28b0 BRAILLE PATTERN DOTS-568
braille_dots_1568	0x10028b1	U+28b1 BRAILLE PATTERN DOTS-1568
braille_dots_2568	0x10028b2	U+28b2 BRAILLE PATTERN DOTS-2568
braille_dots_12568	0x10028b3	U+28b3 BRAILLE PATTERN DOTS-12568
braille_dots_3568	0x10028b4	U+28b4 BRAILLE PATTERN DOTS-3568
braille_dots_13568	0x10028b5	U+28b5 BRAILLE PATTERN DOTS-13568
braille_dots_23568	0x10028b6	U+28b6 BRAILLE PATTERN DOTS-23568
braille_dots_123568	0x10028b7	U+28b7 BRAILLE PATTERN DOTS-123568
braille_dots_4568	0x10028b8	U+28b8 BRAILLE PATTERN DOTS-4568
braille_dots_14568	0x10028b9	U+28b9 BRAILLE PATTERN DOTS-14568
braille_dots_24568	0x10028ba	U+28ba BRAILLE PATTERN DOTS-24568
braille_dots_124568	0x10028bb	U+28bb BRAILLE PATTERN DOTS-124568
braille_dots_34568	0x10028bc	U+28bc BRAILLE PATTERN DOTS-34568
braille_dots_134568	0x10028bd	U+28bd BRAILLE PATTERN DOTS-134568
braille_dots_234568	0x10028be	U+28be BRAILLE PATTERN DOTS-234568
braille_dots_1234568	0x10028bf	U+28bf BRAILLE PATTERN DOTS-1234568
braille_dots_78	0x10028c0	U+28c0 BRAILLE PATTERN DOTS-78
braille_dots_178	0x10028c1	U+28c1 BRAILLE PATTERN DOTS-178
braille_dots_278	0x10028c2	U+28c2 BRAILLE PATTERN DOTS-278
braille_dots_1278	0x10028c3	U+28c3 BRAILLE PATTERN DOTS-1278
braille_dots_378	0x10028c4	U+28c4 BRAILLE PATTERN DOTS-378
braille_dots_1378	0x10028c5	U+28c5 BRAILLE PATTERN DOTS-1378
braille_dots_2378	0x10028c6	U+28c6 BRAILLE PATTERN DOTS-2378
braille_dots_12378	0x10028c7	U+28c7 BRAILLE PATTERN DOTS-12378
braille_dots_478	0x10028c8	U+28c8 BRAILLE PATTERN DOTS-478
braille_dots_1478	0x10028c9	U+28c9 BRAILLE PATTERN DOTS-1478
braille_dots_2478	0x10028ca	U+28ca BRAILLE PATTERN DOTS-2478
braille_dots_12478	0x10028cb	U+28cb BRAILLE PATTERN DOTS-12478
braille_dots_3478	0x10028cc	U+28cc BRAILLE PATTERN DOTS-3478
braille_dots_13478	0x10028cd	U+28cd BRAILLE PATTERN DOTS-13478
braille_dots_23478	0x10028ce	U+28ce BRAILLE PATTERN DOTS-23478
braille_dots_123478	0x10028cf	U+28cf BRAILLE PATTERN DOTS-123478
braille_dots_578	0x10028d0	U+28d0 BRAILLE PATTERN DOTS-578
braille_dots_1578	0x10028d1	U+28d1 BRAILLE PATTERN DOTS-1578



braille_dots_2578	0x10028d2	U+28d2 BRAILLE PATTERN DOTS-2578
braille_dots_12578	0x10028d3	U+28d3 BRAILLE PATTERN DOTS-12578
braille_dots_3578	0x10028d4	U+28d4 BRAILLE PATTERN DOTS-3578
braille_dots_13578	0x10028d5	U+28d5 BRAILLE PATTERN DOTS-13578
braille_dots_23578	0x10028d6	U+28d6 BRAILLE PATTERN DOTS-23578
braille_dots_123578	0x10028d7	U+28d7 BRAILLE PATTERN DOTS-123578
braille_dots_4578	0x10028d8	U+28d8 BRAILLE PATTERN DOTS-4578
braille_dots_14578	0x10028d9	U+28d9 BRAILLE PATTERN DOTS-14578
braille_dots_24578	0x10028da	U+28da BRAILLE PATTERN DOTS-24578
braille_dots_124578	0x10028db	U+28db BRAILLE PATTERN DOTS-124578
braille_dots_34578	0x10028dc	U+28dc BRAILLE PATTERN DOTS-34578
braille_dots_134578	0x10028dd	U+28dd BRAILLE PATTERN DOTS-134578
braille_dots_234578	0x10028de	U+28de BRAILLE PATTERN DOTS-234578
braille_dots_1234578	0x10028df	U+28df BRAILLE PATTERN DOTS-1234578
braille_dots_678	0x10028e0	U+28e0 BRAILLE PATTERN DOTS-678
braille_dots_1678	0x10028e1	U+28e1 BRAILLE PATTERN DOTS-1678
braille_dots_2678	0x10028e2	U+28e2 BRAILLE PATTERN DOTS-2678
braille_dots_12678	0x10028e3	U+28e3 BRAILLE PATTERN DOTS-12678
braille_dots_3678	0x10028e4	U+28e4 BRAILLE PATTERN DOTS-3678
braille_dots_13678	0x10028e5	U+28e5 BRAILLE PATTERN DOTS-13678
braille_dots_23678	0x10028e6	U+28e6 BRAILLE PATTERN DOTS-23678
braille_dots_123678	0x10028e7	U+28e7 BRAILLE PATTERN DOTS-123678
braille_dots_4678	0x10028e8	U+28e8 BRAILLE PATTERN DOTS-4678
braille_dots_14678	0x10028e9	U+28e9 BRAILLE PATTERN DOTS-14678
braille_dots_24678	0x10028ea	U+28ea BRAILLE PATTERN DOTS-24678
braille_dots_124678	0x10028eb	U+28eb BRAILLE PATTERN DOTS-124678
braille_dots_34678	0x10028ec	U+28ec BRAILLE PATTERN DOTS-34678
braille_dots_134678	0x10028ed	U+28ed BRAILLE PATTERN DOTS-134678
braille_dots_234678	0x10028ee	U+28ee BRAILLE PATTERN DOTS-234678
braille_dots_1234678	0x10028ef	U+28ef BRAILLE PATTERN DOTS-1234678
braille_dots_5678	0x10028f0	U+28f0 BRAILLE PATTERN DOTS-5678
braille_dots_15678	0x10028f1	U+28f1 BRAILLE PATTERN DOTS-15678
braille_dots_25678	0x10028f2	U+28f2 BRAILLE PATTERN DOTS-25678
braille_dots_125678	0x10028f3	U+28f3 BRAILLE PATTERN DOTS-125678
braille_dots_35678	0x10028f4	U+28f4 BRAILLE PATTERN DOTS-35678
braille_dots_135678	0x10028f5	U+28f5 BRAILLE PATTERN DOTS-135678

braille_dots_235678	0x10028f6	U+28f6 BRAILLE PATTERN DOTS-235678
braille_dots_1235678	0x10028f7	U+28f7 BRAILLE PATTERN DOTS-1235678
braille_dots_45678	0x10028f8	U+28f8 BRAILLE PATTERN DOTS-45678
braille_dots_145678	0x10028f9	U+28f9 BRAILLE PATTERN DOTS-145678
braille_dots_245678	0x10028fa	U+28fa BRAILLE PATTERN DOTS-245678
braille_dots_1245678	0x10028fb	U+28fb BRAILLE PATTERN DOTS-1245678
braille_dots_345678	0x10028fc	U+28fc BRAILLE PATTERN DOTS-345678
braille_dots_1345678	0x10028fd	U+28fd BRAILLE PATTERN DOTS-1345678
braille_dots_2345678	0x10028fe	U+28fe BRAILLE PATTERN DOTS-2345678
braille_dots_12345678	0x10028ff	U+28ff BRAILLE PATTERN DOTS-12345678
Sinh_ng	0x1000d82	U+0D82 SINHALA ANUSVARAYA
Sinh_h2	0x1000d83	U+0D83 SINHALA VISARGAYA
Sinh_a	0x1000d85	U+0D85 SINHALA AYANNA
Sinh_aa	0x1000d86	U+0D86 SINHALA AAYANNA
Sinh_ae	0x1000d87	U+0D87 SINHALA AEYANNA
Sinh_aee	0x1000d88	U+0D88 SINHALA AEEYANNA
Sinh_i	0x1000d89	U+0D89 SINHALA IYANNA
Sinh_ii	0x1000d8a	U+0D8A SINHALA IYANNA
Sinh_u	0x1000d8b	U+0D8B SINHALA UYANNA
Sinh_uu	0x1000d8c	U+0D8C SINHALA UUYANNA
Sinh_ri	0x1000d8d	U+0D8D SINHALA IRUYANNA
Sinh_rii	0x1000d8e	U+0D8E SINHALA IRUUYANNA
Sinh_lu	0x1000d8f	U+0D8F SINHALA ILUYANNA
Sinh_luu	0x1000d90	U+0D90 SINHALA ILUUYANNA
Sinh_e	0x1000d91	U+0D91 SINHALA EYANNA
Sinh_ee	0x1000d92	U+0D92 SINHALA EEYANNA
Sinh_ai	0x1000d93	U+0D93 SINHALA AIYANNA
Sinh_o	0x1000d94	U+0D94 SINHALA OYANNA
Sinh_oo	0x1000d95	U+0D95 SINHALA OYANNA
Sinh_au	0x1000d96	U+0D96 SINHALA AUYANNA
Sinh_ka	0x1000d9a	U+0D9A SINHALA KAYANNA
Sinh_kha	0x1000d9b	U+0D9B SINHALA MAHA. KAYANNA
Sinh_ga	0x1000d9c	U+0D9C SINHALA GAYANNA
Sinh_gha	0x1000d9d	U+0D9D SINHALA MAHA. GAYANNA
Sinh_ng2	0x1000d9e	U+0D9E SINHALA KANTAJA NAASIYAYA
Sinh_nga	0x1000d9f	U+0D9F SINHALA SANYAKA GAYANNA

Sinh_ca	0x1000da0	U+0DA0 SINHALA CAYANNA
Sinh_cha	0x1000da1	U+0DA1 SINHALA MAHA. CAYANNA
Sinh_ja	0x1000da2	U+0DA2 SINHALA JAYANNA
Sinh_jha	0x1000da3	U+0DA3 SINHALA MAHA. JAYANNA
Sinh_nya	0x1000da4	U+0DA4 SINHALA TAALUJA NAASIKYAYA
Sinh_jnya	0x1000da5	U+0DA5 SINHALA TAALUJA SANYOOGA NAASIKYAYA
Sinh_nja	0x1000da6	U+0DA6 SINHALA SANYAKA JAYANNA
Sinh_tta	0x1000da7	U+0DA7 SINHALA TTAYANNA
Sinh_ttha	0x1000da8	U+0DA8 SINHALA MAHA. TTAYANNA
Sinh_dda	0x1000da9	U+0DA9 SINHALA DDAYANNA
Sinh_ddha	0x1000daa	U+0DAA SINHALA MAHA. DDAYANNA
Sinh_nna	0x1000dab	U+0DAB SINHALA MUURDHAJA NAYANNA
Sinh_ndda	0x1000dac	U+0DAC SINHALA SANYAKA DDAYANNA
Sinh_tha	0x1000dad	U+0DAD SINHALA TAYANNA
Sinh_thha	0x1000dae	U+0DAE SINHALA MAHA. TAYANNA
Sinh_dha	0x1000daf	U+0DAF SINHALA DAYANNA
Sinh_dhha	0x1000db0	U+0DB0 SINHALA MAHA. DAYANNA
Sinh_na	0x1000db1	U+0DB1 SINHALA DANTAJA NAYANNA
Sinh_ndha	0x1000db3	U+0DB3 SINHALA SANYAKA DAYANNA
Sinh_pa	0x1000db4	U+0DB4 SINHALA PAYANNA
Sinh_pha	0x1000db5	U+0DB5 SINHALA MAHA. PAYANNA
Sinh_ba	0x1000db6	U+0DB6 SINHALA BAYANNA
Sinh_bha	0x1000db7	U+0DB7 SINHALA MAHA. BAYANNA
Sinh_ma	0x1000db8	U+0DB8 SINHALA MAYANNA
Sinh_mba	0x1000db9	U+0DB9 SINHALA AMBA BAYANNA
Sinh_ya	0x1000dba	U+0DBA SINHALA YAYANNA
Sinh_ra	0x1000dbb	U+0DBB SINHALA RAYANNA
Sinh_la	0x1000dbd	U+0DBD SINHALA DANTAJA LAYANNA
Sinh_va	0x1000dc0	U+0DC0 SINHALA VAYANNA
Sinh_sha	0x1000dc1	U+0DC1 SINHALA TAALUJA SAYANNA
Sinh_ssha	0x1000dc2	U+0DC2 SINHALA MUURDHAJA SAYANNA
Sinh_sa	0x1000dc3	U+0DC3 SINHALA DANTAJA SAYANNA
Sinh_ha	0x1000dc4	U+0DC4 SINHALA HAYANNA
Sinh_lla	0x1000dc5	U+0DC5 SINHALA MUURDHAJA LAYANNA
Sinh_fa	0x1000dc6	U+0DC6 SINHALA FAYANNA
Sinh_al	0x1000dca	U+0DCA SINHALA AL-LAKUNA

Sinh_aa2	0x1000dcf	U+0DCF SINHALA AELA-PILLA
Sinh_ae2	0x1000dd0	U+0DD0 SINHALA AEDA-PILLA
Sinh_aee2	0x1000dd1	U+0DD1 SINHALA DIGA AEDA-PILLA
Sinh_i2	0x1000dd2	U+0DD2 SINHALA IS-PILLA
Sinh_ii2	0x1000dd3	U+0DD3 SINHALA DIGA IS-PILLA
Sinh_u2	0x1000dd4	U+0DD4 SINHALA PAA-PILLA
Sinh_uu2	0x1000dd6	U+0DD6 SINHALA DIGA PAA-PILLA
Sinh_ru2	0x1000dd8	U+0DD8 SINHALA GAETTA-PILLA
Sinh_e2	0x1000dd9	U+0DD9 SINHALA KOMBUVA
Sinh_ee2	0x1000dda	U+0DDA SINHALA DIGA KOMBUVA
Sinh_ai2	0x1000ddb	U+0ddb SINHALA KOMBU DEKA
Sinh_o2	0x1000ddc	-
Sinh_oo2	0x1000ddd	-
Sinh_au2	0x1000dde	U+0DDE SINHALA KOMBUVA HAA GAYANUKITTA
Sinh_lu2	0x1000ddf	U+0DDF SINHALA GAYANUKITTA
Sinh_ruu2	0x1000df2	U+0DF2 SINHALA DIGA GAETTA-PILLA
Sinh_luu2	0x1000df3	U+0DF3 SINHALA DIGA GAYANUKITTA
Sinh_kunddaliya	0x1000df4	U+0DF4 SINHALA KUNDDALIYA