

Default Orientation In Vertical Layout By Codepoint

Default Orientation for Vertical Layout

This table shows default orientation data and vertical alternates for a set of Unicode ranges for which there is disagreement about what the default orientation should be. Three fonts are shown, Hiragino Mincho (OSX system font), Kozuka Mincho (Adobe font), Meiryo (Windows system font).

The orientation data shown is based on Eric Muller's proposed Unicode orientation property and the Koji Ishii's algorithm in Appendix C of the CSS3 Writing Modes spec. [Unicode database](#) values are shown for each character: the East Asian Width, General Category and Script. The Webkit and IE9 columns list how a given character renders in Webkit Nightly and IE9. The value 'upright*' implies the browser renders the character upright using the 'vert' alternate, but this is a guess based on which codepoints appear to have a 'vert' alternate glyph; it's hard to distinguish between the rotated version and the 'vert' alternate in many cases.

	proposed unicode	appendix C	Hiragino Mincho		Kozuka Mincho		Meiryo		webkit	ie9	width	category	script
			default	vert	default	vert	default	vert					
U+20	S	UF	!	!	!	!	!	!	rotate	rotate	Na	Zs	Common
U+21	S	S	!"	"!	"	"	"	"	rotate	rotate	Na	Po	Common
U+22	S	S	#"	"#	#	#	#	#	rotate	rotate	Na	Po	Common
U+23	S	S	\$"	"\$	\$	\$	\$	\$	rotate	rotate	Na	Po	Common
U+24	S	S	%%	%%	%	%	%	%	rotate	rotate	Na	Sc	Common
U+25	S	S	&%	%&	&	&	&	&	rotate	rotate	Na	Po	Common
U+26	S	S	'&	&'	'	'	'	'	rotate	rotate	Na	Po	Common
U+27	S	S	'.'	'.'	'	'	'	'	rotate	rotate	Na	Po	Common
U+28	S	UF	(')	(')	(	(	(	(	rotate	rotate	Na	Ps	Common
U+29	S	UF	)()	()	)	)	)	)	rotate	rotate	Na	Pe	Common
U+2a	S	S	*>*	**	*	*	*	*	rotate	rotate	Na	Po	Common
U+2b	S	S	++	+	+	+	+	+	rotate	rotate	Na	Sm	Common
U+2c	S	S	,	,	,	,	,	,	rotate	rotate	Na	Po	Common
U+2d	S	UF	-	-	-	-	-	'	rotate	rotate	Na	Pd	Common
U+2e	S	S	.	.	.	.	.	.	rotate	rotate	Na	Po	Common
U+2f	S	S	/	/	/	/	/	/	rotate	rotate	Na	Po	Common
U+30	S	S	00	00	0	0	0	0	rotate	rotate	Na	Nd	Common
U+31	S	S	11	11	1	1	1	1	rotate	rotate	Na	Nd	Common
U+32	S	S	22	22	2	2	2	2	rotate	rotate	Na	Nd	Common
U+33	S	S	33	33	3	3	3	3	rotate	rotate	Na	Nd	Common
U+34	S	S	44	44	4	4	4	4	rotate	rotate	Na	Nd	Common
U+35	S	S	55	55	5	5	5	5	rotate	rotate	Na	Nd	Common
U+36	S	S	66	66	6	6	6	6	rotate	rotate	Na	Nd	Common
U+37	S	S	77	77	7	7	7	7	rotate	rotate	Na	Nd	Common
U+38	S	S	88	88	8	8	8	8	rotate	rotate	Na	Nd	Common
U+39	S	S	99	99	9	9	9	9	rotate	rotate	Na	Nd	Common
U+3a	S	S	:	:	:	:	:	:	rotate	rotate	Na	Po	Common
U+3b	S	S	;	;	;	;	;	;	rotate	rotate	Na	Po	Common
U+3c	S	S	<	<	<	<	<	<	rotate	rotate	Na	Sm	Common
U+3d	S	S	=	=	=	=	=	=	rotate	rotate	Na	Sm	Common
U+3e	S	S	>	>	>	>	>	>	rotate	rotate	Na	Sm	Common
U+3f	S	S	?	?	?	?	?	?	rotate	rotate	Na	Po	Common
U+40	S	S	@@	@@	@	@	@	@	rotate	rotate	Na	Po	Common
U+41	S	S	AA	AA	A	A	A	A	rotate	rotate	Na	L&	Latin
U+42	S	S	BB	BB	B	B	B	B	rotate	rotate	Na	L&	Latin
U+43	S	S	CC	CC	C	C	C	C	rotate	rotate	Na	L&	Latin
U+44	S	S	DD	DD	D	D	D	D	rotate	rotate	Na	L&	Latin

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	Hiragino Mincho				Kozuka Mincho		Meiryo						
	S	S	E	E	E	E	E	E	rotate	rotate	Na	L&	Latin
U+45	S	S	E	E	E	E	E	E	rotate	rotate	Na	L&	Latin
U+46	S	S	F	F	F	F	F	F	rotate	rotate	Na	L&	Latin
U+47	S	S	G	G	G	G	G	G	rotate	rotate	Na	L&	Latin
U+48	S	S	H	H	H	H	H	H	rotate	rotate	Na	L&	Latin
U+49	S	S	I	I	I	I	I	I	rotate	rotate	Na	L&	Latin
U+4a	S	S	J	J	J	J	J	J	rotate	rotate	Na	L&	Latin
U+4b	S	S	K	K	K	K	K	K	rotate	rotate	Na	L&	Latin
U+4c	S	S	L	L	L	L	L	L	rotate	rotate	Na	L&	Latin
U+4d	S	S	M	M	M	M	M	M	rotate	rotate	Na	L&	Latin
U+4e	S	S	N	N	N	N	N	N	rotate	rotate	Na	L&	Latin
U+4f	S	S	O	O	O	O	O	O	rotate	rotate	Na	L&	Latin
U+50	S	S	P	P	P	P	P	P	rotate	rotate	Na	L&	Latin
U+51	S	S	Q	Q	Q	Q	Q	Q	rotate	rotate	Na	L&	Latin
U+52	S	S	R	R	R	R	R	R	rotate	rotate	Na	L&	Latin
U+53	S	S	S	S	S	S	S	S	rotate	rotate	Na	L&	Latin
U+54	S	S	T	T	T	T	T	T	rotate	rotate	Na	L&	Latin
U+55	S	S	U	U	U	U	U	U	rotate	rotate	Na	L&	Latin
U+56	S	S	V	V	V	V	V	V	rotate	rotate	Na	L&	Latin
U+57	S	S	W	W	W	W	W	W	rotate	rotate	Na	L&	Latin
U+58	S	S	X	X	X	X	X	X	rotate	rotate	Na	L&	Latin
U+59	S	S	Y	Y	Y	Y	Y	Y	rotate	rotate	Na	L&	Latin
U+5a	S	S	Z	Z	Z	Z	Z	Z	rotate	rotate	Na	L&	Latin
U+5b	S	UF	[	[	[	[	[	[	rotate	rotate	Na	Ps	Common
U+5c	S	S	\	\	\	\	\	\	rotate	rotate	Na	Po	Common
U+5d	S	UF	]	]	]	]	]	]	rotate	rotate	Na	Pe	Common
U+5e	S	S	^	^	^	^	^	^	rotate	rotate	Na	Sk	Common
U+5f	S	UF	-	-	-	-	-	-	rotate	rotate	Na	Pc	Common
U+60	S	S	`	`	`	`	`	`	rotate	rotate	Na	Sk	Common
U+61	S	S	a	a	a	a	a	a	rotate	rotate	Na	L&	Latin
U+62	S	S	b	b	b	b	b	b	rotate	rotate	Na	L&	Latin
U+63	S	S	c	c	c	c	c	c	rotate	rotate	Na	L&	Latin
U+64	S	S	d	d	d	d	d	d	rotate	rotate	Na	L&	Latin
U+65	S	S	e	e	e	e	e	e	rotate	rotate	Na	L&	Latin
U+66	S	S	f	f	f	f	f	f	rotate	rotate	Na	L&	Latin
U+67	S	S	g	g	g	g	g	g	rotate	rotate	Na	L&	Latin
U+68	S	S	h	h	h	h	h	h	rotate	rotate	Na	L&	Latin
U+69	S	S	i	i	i	i	i	i	rotate	rotate	Na	L&	Latin
U+6a	S	S	j	j	j	j	j	j	rotate	rotate	Na	L&	Latin
U+6b	S	S	k	k	k	k	k	k	rotate	rotate	Na	L&	Latin
U+6c	S	S	l	l	l	l	l	l	rotate	rotate	Na	L&	Latin
U+6d	S	S	m	m	m	m	m	m	rotate	rotate	Na	L&	Latin
U+6e	S	S	n	n	n	n	n	n	rotate	rotate	Na	L&	Latin
U+6f	S	S	o	o	o	o	o	o	rotate	rotate	Na	L&	Latin
U+70	S	S	p	p	p	p	p	p	rotate	rotate	Na	L&	Latin
U+71	S	S	q	q	q	q	q	q	rotate	rotate	Na	L&	Latin
U+72	S	S	r	r	r	r	r	r	rotate	rotate	Na	L&	Latin
U+73	S	S	s	s	s	s	s	s	rotate	rotate	Na	L&	Latin

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	Hiragino Mincho				Kozuka Mincho		Meiryo						
	S	S	t	t	t	t	t	t	rotate	rotate	Na	L&	Latin
U+74	S	S	t	t	t	t	t	t	rotate	rotate	Na	L&	Latin
U+75	S	S	u	u	u	u	u	u	rotate	rotate	Na	L&	Latin
U+76	S	S	v	v	v	v	v	v	rotate	rotate	Na	L&	Latin
U+77	S	S	w	w	w	w	w	w	rotate	rotate	Na	L&	Latin
U+78	S	S	x	x	x	x	x	x	rotate	rotate	Na	L&	Latin
U+79	S	S	y	y	y	y	y	y	rotate	rotate	Na	L&	Latin
U+7a	S	S	z	z	z	z	z	z	rotate	rotate	Na	L&	Latin
U+7b	S	UF	{	{	{	{	{	{	rotate	rotate	Na	Ps	Common
U+7c	S	S	|	|	|	|	|	|	rotate	rotate	Na	Sm	Common
U+7d	S	UF	}	}	}	}	}	}	rotate	rotate	Na	Pe	Common
U+7e	S	S	~	~	~	~	~	~	rotate	rotate	Na	Sm	Common
U+a0	S	UF							rotate	rotate	N	Zs	Common
U+a1	S	UF	i	i	i	i	i	i	rotate	rotate	A	Po	Common
U+a2	S	S	¢	¢	¢	¢	¢	¢	rotate	rotate	Na	Sc	Common
U+a3	S	S	£	£	£	£	£	£	rotate	rotate	Na	Sc	Common
U+a4	S	S	¤	¤	¤	¤	¤	¤	rotate	rotate	A	Sc	Common
U+a5	S	S	¥	¥	¥	¥	¥	¥	rotate	rotate	Na	Sc	Common
U+a6	S	S	|	|	|	|	|	|	rotate	rotate	Na	So	Common
U+a7	S	S	§	§	§	§	§	§	rotate	rotate	A	So	Common
U+a8	S	S	..	..	..	..	..	..	rotate	rotate	A	Sk	Common
U+a9	S	S	◎	◎	◎	◎	◎	◎	rotate	rotate	N	So	Common
U+aa	S	S	a	a	a	a	a	a	rotate	rotate	A	L&	Latin
U+ab	S	UF	«	«	«	«	«	«	rotate	rotate	N	Pi	Common
U+ac	S	S	¬	¬	¬	¬	¬	¬	rotate	rotate	Na	Sm	Common
U+ad	C	S							rotate	rotate	A	Cf	Common
U+ae	S	S	®	®	®	®	®	®	rotate	rotate	A	So	Common
U+af	S	S	-	-	-	-	-	-	rotate	rotate	Na	Sk	Common
U+b0	S	S	◦	◦	◦	◦	◦	◦	rotate	rotate	A	So	Common
U+b1	S	S	±	±	±	±	±	±	rotate	rotate	A	Sm	Common
U+b2	S	UF	2	2	2	2	2	2	rotate	rotate	A	No	Common
U+b3	S	UF	3	3	3	3	3	3	rotate	rotate	A	No	Common
U+b4	S	S	,	,	,	,	,	,	rotate	rotate	A	Sk	Common
U+b5	S	S	µ	µ	µ	µ	µ	µ	rotate	rotate	N	L&	Common
U+b6	S	S	¶	¶	¶	¶	¶	¶	rotate	rotate	A	So	Common
U+b7	S	UF	·	·	·	·	·	·	rotate	rotate	A	Po	Common
U+b8	S	S	,	,	,	,	,	,	rotate	rotate	A	Sk	Common
U+b9	S	UF	1	1	1	1	1	1	rotate	rotate	A	No	Common
U+ba	S	S	o	o	o	o	o	o	rotate	rotate	A	L&	Latin
U+bb	S	UF	»	»	»	»	»	»	rotate	rotate	N	Pf	Common
U+bc	S	UF	¼	¼	¼	¼	¼	¼	rotate	rotate	A	No	Common
U+bd	S	UF	½	½	½	½	½	½	rotate	rotate	A	No	Common
U+be	S	UF	¾	¾	¾	¾	¾	¾	rotate	rotate	A	No	Common
U+bf	S	UF	¸	¸	¸	¸	¸	¸	rotate	rotate	A	Po	Common
U+c0	S	S	À	À	À	À	À	À	rotate	rotate	N	L&	Latin
U+c1	S	S	Á	Á	Á	Á	Á	Á	rotate	rotate	N	L&	Latin
U+c2	S	S	Â	Â	Â	Â	Â	Â	rotate	rotate	N	L&	Latin
U+c3	S	S	Ã	Ã	Ã	Ã	Ã	Ã	rotate	rotate	N	L&	Latin
U+c4	S	S	Ä	Ä	Ä	Ä	Ä	Ä	rotate	rotate	N	L&	Latin

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U+ <code>c5</code>	S	S	À	À	À	À	À	rotate	rotate	N	L&	Latin
U+ <code>c6</code>	S	S	Æ	Æ	Æ	Æ	Æ	rotate	rotate	A	L&	Latin
U+ <code>c7</code>	S	S	Ҫ	Ҫ	Ҫ	Ҫ	Ҫ	rotate	rotate	N	L&	Latin
U+ <code>c8</code>	S	S	È	È	È	È	È	rotate	rotate	N	L&	Latin
U+ <code>c9</code>	S	S	É	É	É	É	É	rotate	rotate	N	L&	Latin
U+ <code>ca</code>	S	S	Ê	Ê	Ê	Ê	Ê	rotate	rotate	N	L&	Latin
U+ <code>cb</code>	S	S	Ë	Ë	Ë	Ë	Ë	rotate	rotate	N	L&	Latin
U+ <code>cc</code>	S	S	Ì	Ì	Ì	Ì	Ì	rotate	rotate	N	L&	Latin
U+ <code>cd</code>	S	S	Í	Í	Í	Í	Í	rotate	rotate	N	L&	Latin
U+ <code>ce</code>	S	S	Î	Î	Î	Î	Î	rotate	rotate	N	L&	Latin
U+ <code>cf</code>	S	S	Ï	Ï	Ï	Ï	Ï	rotate	rotate	N	L&	Latin
U+ <code>d0</code>	S	S	Ð	Ð	Ð	Ð	Ð	rotate	rotate	A	L&	Latin
U+ <code>d1</code>	S	S	Ñ	Ñ	Ñ	Ñ	Ñ	rotate	rotate	N	L&	Latin
U+ <code>d2</code>	S	S	Ò	Ò	Ò	Ò	Ò	rotate	rotate	N	L&	Latin
U+ <code>d3</code>	S	S	Ó	Ó	Ó	Ó	Ó	rotate	rotate	N	L&	Latin
U+ <code>d4</code>	S	S	Ô	Ô	Ô	Ô	Ô	rotate	rotate	N	L&	Latin
U+ <code>d5</code>	S	S	Õ	Õ	Õ	Õ	Õ	rotate	rotate	N	L&	Latin
U+ <code>d6</code>	S	S	Ö	Ö	Ö	Ö	Ö	rotate	rotate	N	L&	Latin
U+ <code>d7</code>	S	S	×	×	×	×	×	rotate	rotate	A	Sm	Common
U+ <code>d8</code>	S	S	Ø	Ø	Ø	Ø	Ø	rotate	rotate	A	L&	Latin
U+ <code>d9</code>	S	S	Ù	Ù	Ù	Ù	Ù	rotate	rotate	N	L&	Latin
U+ <code>da</code>	S	S	Ú	Ú	Ú	Ú	Ú	rotate	rotate	N	L&	Latin
U+ <code>db</code>	S	S	Û	Û	Û	Û	Û	rotate	rotate	N	L&	Latin
U+ <code>dc</code>	S	S	Ü	Ü	Ü	Ü	Ü	rotate	rotate	N	L&	Latin
U+ <code>dd</code>	S	S	Ý	Ý	Ý	Ý	Ý	rotate	rotate	N	L&	Latin
U+ <code>de</code>	S	S	Þ	Þ	Þ	Þ	Þ	rotate	rotate	A	L&	Latin
U+ <code>df</code>	S	S	ß	ß	ß	ß	ß	rotate	rotate	A	L&	Latin
U+ <code>e0</code>	S	S	à	à	à	à	à	rotate	rotate	A	L&	Latin
U+ <code>e1</code>	S	S	á	á	á	á	á	rotate	rotate	A	L&	Latin
U+ <code>e2</code>	S	S	â	â	â	â	â	rotate	rotate	N	L&	Latin
U+ <code>e3</code>	S	S	ã	ã	ã	ã	ã	rotate	rotate	N	L&	Latin
U+ <code>e4</code>	S	S	ä	ä	ä	ä	ä	rotate	rotate	N	L&	Latin
U+ <code>e5</code>	S	S	å	å	å	å	å	rotate	rotate	N	L&	Latin
U+ <code>e6</code>	S	S	æ	æ	æ	æ	æ	rotate	rotate	A	L&	Latin
U+ <code>e7</code>	S	S	ç	ç	ç	ç	ç	rotate	rotate	N	L&	Latin
U+ <code>e8</code>	S	S	è	è	è	è	è	rotate	rotate	A	L&	Latin
U+ <code>e9</code>	S	S	é	é	é	é	é	rotate	rotate	A	L&	Latin
U+ <code>ea</code>	S	S	ê	ê	ê	ê	ê	rotate	rotate	A	L&	Latin
U+ <code>eb</code>	S	S	ë	ë	ë	ë	ë	rotate	rotate	N	L&	Latin
U+ <code>ec</code>	S	S	ì	ì	ì	ì	ì	rotate	rotate	A	L&	Latin
U+ <code>ed</code>	S	S	í	í	í	í	í	rotate	rotate	A	L&	Latin
U+ <code>ee</code>	S	S	î	î	î	î	î	rotate	rotate	N	L&	Latin
U+ <code>ef</code>	S	S	ï	ï	ï	ï	ï	rotate	rotate	N	L&	Latin
U+ <code>f0</code>	S	S	ð	ð	ð	ð	ð	rotate	rotate	A	L&	Latin
U+ <code>f1</code>	S	S	ñ	ñ	ñ	ñ	ñ	rotate	rotate	N	L&	Latin
U+ <code>f2</code>	S	S	ò	ò	ò	ò	ò	rotate	rotate	A	L&	Latin
U+ <code>f3</code>	S	S	ó	ó	ó	ó	ó	rotate	rotate	A	L&	Latin

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		Hiragino Mincho		Kozuka Mincho		Meiryo					
Codepoint	Category	Character	Character	Character	Character	Character	Character	Orientation	Orientation	Script	Script
U+f4	S	ô	ô	ô	ô	ô	ô	rotate	rotate	N	L&
U+f5	S	ô	ô	ô	ô	ô	ô	rotate	rotate	N	L&
U+f6	S	ö	ö	ö	ö	ö	ö	rotate	rotate	N	L&
U+f7	S	÷	÷	÷	÷	÷	÷	rotate	rotate	A	Sm
U+f8	S	ø	ø	ø	ø	ø	ø	rotate	rotate	A	L&
U+f9	S	ù	ù	ù	ù	ù	ù	rotate	rotate	A	L&
U+fa	S	ú	ú	ú	ú	ú	ú	rotate	rotate	A	L&
U+fb	S	û	û	û	û	û	û	rotate	rotate	N	L&
U+fc	S	ü	ü	ü	ü	ü	ü	rotate	rotate	A	L&
U+fd	S	ý	ý	ý	ý	ý	ý	rotate	rotate	N	L&
U+fe	S	þ	þ	þ	þ	þ	þ	rotate	rotate	A	L&
U+ff	S	ÿ	ÿ	ÿ	ÿ	ÿ	ÿ	rotate	rotate	N	L&
U+2010	S	UF	-	-	-	-	'	rotate	upright*	A	Pd
U+2011	S	UF	-	-	-	-	'	rotate	upright*	N	Pd
U+2012	S	UF	-	-	-	-	'	rotate	upright*	N	Pd
U+2013	S	UF	-	-	-	-	-	rotate	upright*	A	Pd
U+2014	S	UF	--	--	--	--	--	rotate	upright*	A	Pd
U+2015	S	UF	--	|	--	|	--	rotate	upright*	A	Pd
U+2016	S	UF	||	=	||	=	||	rotate	upright*	A	Po
U+2017	S	S	=	=	=	=	=	rotate	upright*	N	Po
U+2018	S	UF	'	'	'	'	'	rotate	upright	A	Pi
U+2019	S	UF	,	,	,	,	,	rotate	upright	A	Pf
U+201a	S	UF	,	,	,	,	,	rotate	upright	N	Ps
U+201b	S	UF	,	,	,	,	,	rotate	upright	N	Pi
U+201c	S	UF	"	"	"	"	"	rotate	upright	A	Pi
U+201d	S	UF	"	"	"	"	"	rotate	upright	A	Pf
U+201e	S	UF	"	"	"	"	"	rotate	upright	N	Ps
U+201f	S	UF	"	"	"	"	"	rotate	rotate	N	Pi
U+2020	S	UF	†	†	†	†	†	rotate	upright	A	Po
U+2021	S	UF	‡	‡	‡	‡	‡	rotate	upright	A	Po
U+2022	S	UF	•	•	•	•	•	rotate	upright	A	Po
U+2023	S	S	•	•	•	•	•	rotate	upright	N	Po
U+2024	S	UF	·	·	·	·	·	rotate	upright	A	Po
U+2025	S	UF	··	:	··	:	··	rotate	upright*	A	Po
U+2026	S	UF	···	:	···	:	···	rotate	upright*	A	Po
U+2027	S	UF	·	·	·	·	·	rotate	upright	A	Po
U+2030	S	UF	%o	%o	%o	%o	%o	rotate	upright	A	Po
U+2031	S	S	%oo	%oo	%oo	%oo	%ooo	rotate	upright	N	Po
U+2032	S	UF	,	,	,	,	,	rotate	upright	A	Po
U+2033	S	UF	"	"	"	"	"	rotate	upright	A	Po
U+2034	S	S	""	""	""	""	""	rotate	upright	N	Po
U+2035	S	UF	\`	\`	\`	\`	\`	rotate	upright	A	Po
U+2036	S	S	"`	"`	"`	"`	"`	rotate	upright	N	Po
U+2037	S	S	"`"	"`"	"`"	"`"	"`"	rotate	upright	N	Po
U+2038	S	S	^	^	^	^	^	rotate	upright	N	Po
U+2039	S	UF	<	<	<	<	<	rotate	upright	N	Pi
U+203a	S	UF	>	>	>	>	>	rotate	upright	N	Pf

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			Hiragino Mincho		Kozuka Mincho		Meiryo						
			UF	S	UF	S	UF	S	rotate	upright	A	Po	
U+203b	S	UF	※	※	※	※	※	※	rotate	upright	A	Po	Common
U+203c	S	S	!!	!!	!!	!!	!!	!!	rotate	upright	N	Po	Common
U+203d	S	S	?	?	?	?	?	?	rotate	upright	N	Po	Common
U+203e	S	UF	-	-	-	-	-	-	rotate	upright	A	Po	Common
U+203f	S	UF			-	-			rotate	upright	N	Pc	Common
U+2040	S	UF	~	~	~	~			rotate	upright	N	Pc	Common
U+2041	S	S	×	×	×	×	l	l	rotate	upright	N	Po	Common
U+2042	S	S	**	**	**	**	**	**	rotate	upright	N	Po	Common
U+2043	S	S	-	-	-	-	-	-	rotate	upright	N	Po	Common
U+2044	S	S	/	/	/	/	/	/	rotate	upright	N	Sm	Common
U+2045	S	UF	{	{	{	{	E	E	rotate	upright	N	Ps	Common
U+2046	S	UF	}	}	}	}	]	]	rotate	upright	N	Pe	Common
U+2047	S	S	??	??	??	??	??	??	rotate	upright	N	Po	Common
U+2048	S	S	?!	?!	?!	?!	?!	?!	rotate	upright	N	Po	Common
U+2049	S	S	!?	!?	!?	!?	!?	!?	rotate	upright	N	Po	Common
U+2051	S	S	*	*	*	*	*	*	rotate	upright	N	Po	Common
U+205a	S	S	:	:	:	:	:	:	rotate	upright?	N	Po	Common
U+205d	S	S	:	:	:	:	:	:	rotate	upright?	N	Po	Common
U+2070	S	UF	0	0	0	0	0	0	rotate	rotate	N	No	Common
U+2074	S	UF	4	4	4	4	4	4	rotate	rotate	A	No	Common
U+2075	S	UF	5	5	5	5	5	5	rotate	rotate	N	No	Common
U+2076	S	UF	6	6	6	6	6	6	rotate	rotate	N	No	Common
U+2077	S	UF	7	7	7	7	7	7	rotate	rotate	N	No	Common
U+2078	S	UF	8	8	8	8	8	8	rotate	rotate	N	No	Common
U+2079	S	UF	9	9	9	9	9	9	rotate	rotate	N	No	Common
U+207a	S	S	+	+	+	+	+	+	rotate	rotate	N	Sm	Common
U+207b	S	S	-	-	-	-	-	-	rotate	rotate	N	Sm	Common
U+207c	S	S	=	=	=	=	=	=	rotate	rotate	N	Sm	Common
U+207d	S	UF	(	(	(	(	(	(	rotate	rotate	N	Ps	Common
U+207e	S	UF	)	)	)	)	)	)	rotate	rotate	N	Pe	Common
U+207f	S	S	n	n	n	n	n	n	rotate	rotate	A	Lm	Latin
U+2080	S	UF	0	0	0	0	0	0	rotate	rotate	N	No	Common
U+2081	S	UF	1	1	1	1	1	1	rotate	rotate	A	No	Common
U+2082	S	UF	2	2	2	2	2	2	rotate	rotate	A	No	Common
U+2083	S	UF	3	3	3	3	3	3	rotate	rotate	A	No	Common
U+2084	S	UF	4	4	4	4	4	4	rotate	rotate	A	No	Common
U+2085	S	UF	5	5	5	5	5	5	rotate	rotate	N	No	Common
U+2086	S	UF	6	6	6	6	6	6	rotate	rotate	N	No	Common
U+2087	S	UF	7	7	7	7	7	7	rotate	rotate	N	No	Common
U+2088	S	UF	8	8	8	8	8	8	rotate	rotate	N	No	Common
U+2089	S	UF	9	9	9	9	9	9	rotate	rotate	N	No	Common
U+208a	S	S	+	+	+	+	+	+	rotate	rotate	N	Sm	Common
U+208b	S	S	-	-	-	-	-	-	rotate	rotate	N	Sm	Common
U+208c	S	S	=	=	=	=	=	=	rotate	rotate	N	Sm	Common
U+208d	S	UF	(	(	(	(	(	(	rotate	rotate	N	Ps	Common
U+208e	S	UF	)	)	)	)	)	)	rotate	rotate	N	Pe	Common
U+20a0	S	S	€	€	€	€	€	€	rotate	rotate	N	Sc	Common

Default Orientation In Vertical Layout By Codepoint

		Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Category	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	Orientation	Orientation	Script	Class	
U+20a1	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20a2	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20a3	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20a4	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20a5	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20a6	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20a7	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20a8	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20a9	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	H	Sc	Common
U+20aa	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20ab	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20ac	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	A	Sc	Common
U+20ad	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20ae	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20af	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20b0	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20b1	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sc	Common
U+20dd	CM	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Me	Inherited
U+20de	CM	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Me	Inherited
U+2100	S	%c	%c	%c	%c	%c	%c	rotate	upright	N	So	Common
U+2101	S	%s	%s	%s	%s	%s	%s	rotate	upright	N	So	Common
U+2102	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+2103	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	A	So	Common
U+2104	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2105	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	A	So	Common
U+2106	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2107	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+2108	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2109	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	A	So	Common
U+210a	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+210b	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+210c	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+210d	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+210e	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+210f	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+2110	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+2111	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+2112	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+2113	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	A	L&	Common
U+2114	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2115	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+2116	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	A	So	Common
U+2117	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2118	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	Sm	Common
U+2119	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+211a	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common
U+211b	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	L&	Common

Default Orientation In Vertical Layout By Codepoint

		Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Category	Upright	Rotated	Upright	Rotated	Upright	Rotated	Upright	Rotated	Upright	Rotated	Upright
U+211c	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+211d	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+211e	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+211f	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+2120	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+2121	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	A	So	Common
U+2122	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	A	So	Common
U+2123	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+2124	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+2125	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+2126	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	A	L&	Greek
U+2127	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+2128	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+2129	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+212a	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Latin
U+212b	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	A	L&	Latin
U+212c	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+212d	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+212e	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+212f	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+2130	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+2131	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+2132	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Latin
U+2133	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+2134	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	L&	Common
U+2135	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	Lo	Common
U+2136	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	Lo	Common
U+2137	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	Lo	Common
U+2138	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	Lo	Common
U+213b	S	S	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	upright	N	So	Common
U+2153	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	A	No	Common
U+2154	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	A	No	Common
U+2155	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	N	No	Common
U+2156	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	N	No	Common
U+2157	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	N	No	Common
U+2158	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	N	No	Common
U+2159	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	N	No	Common
U+215a	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	N	No	Common
U+215b	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	A	No	Common
U+215c	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	A	No	Common
U+215d	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	A	No	Common
U+215e	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	A	No	Common
U+215f	U	UF	⠼⠼	⠼⠼	⠼⠼	⠼⠼	⠼⠼	rotate	rotate	N	No	Common
U+2160	U	S	I	I	I	I	I	rotate	rotate	A	NI	Latin
U+2161	U	S	II	II	II	II	II	rotate	rotate	A	NI	Latin
U+2162	U	S	III	III	III	III	III	rotate	rotate	A	NI	Latin
U+2163	U	S	IV	IV	IV	IV	IV	rotate	rotate	A	NI	Latin

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo					
Codepoint	Category	Script	Char	Char	Char	Char	Char	Char	Orientation	Orientation	Normal	Latin
U+2164	U	S	V	V	V	V	V	V	rotate	rotate	A	Nl
U+2165	U	S	VI	VI	VI	VI	VI	VI	rotate	rotate	A	Nl
U+2166	U	S	VII	VII	VII	VII	VII	VII	rotate	rotate	A	Nl
U+2167	U	S	VIII	VIII	VIII	VIII	VIII	VIII	rotate	rotate	A	Nl
U+2168	U	S	IX	IX	IX	IX	IX	IX	rotate	rotate	A	Nl
U+2169	U	S	X	X	X	X	X	X	rotate	rotate	A	Nl
U+216a	U	S	XI	XI	XI	XI	XI	XI	rotate	rotate	A	Nl
U+216b	U	S	XII	XII	XII	XII	XII	XII	rotate	rotate	A	Nl
U+216c	U	S	L	L	L	L	L	L	rotate	rotate	N	Nl
U+216d	U	S	C	C	C	C	C	C	rotate	rotate	N	Nl
U+216e	U	S	D	D	D	D	D	D	rotate	rotate	N	Nl
U+216f	U	S	M	M	M	M	M	M	rotate	rotate	N	Nl
U+2170	U	S	i	i	i	i	i	i	rotate	rotate	A	Nl
U+2171	U	S	ii	ii	ii	ii	ii	ii	rotate	rotate	A	Nl
U+2172	U	S	iii	iii	iii	iii	iii	iii	rotate	rotate	A	Nl
U+2173	U	S	iv	iv	iv	iv	iv	iv	rotate	rotate	A	Nl
U+2174	U	S	v	v	v	v	v	v	rotate	rotate	A	Nl
U+2175	U	S	vi	vi	vi	vi	vi	vi	rotate	rotate	A	Nl
U+2176	U	S	vii	vii	vii	vii	vii	vii	rotate	rotate	A	Nl
U+2177	U	S	viii	viii	viii	viii	viii	viii	rotate	rotate	A	Nl
U+2178	U	S	ix	ix	ix	ix	ix	ix	rotate	rotate	A	Nl
U+2179	U	S	x	x	x	x	x	x	rotate	rotate	A	Nl
U+217a	U	S	xi	xi	xi	xi	xi	xi	rotate	rotate	N	Nl
U+217b	U	S	xii	xii	xii	xii	xii	xii	rotate	rotate	N	Nl
U+217c	U	S	I	I	I	I	I	I	rotate	rotate	N	Nl
U+217d	U	S	c	c	c	c	c	c	rotate	rotate	N	Nl
U+217e	U	S	d	d	d	d	d	d	rotate	rotate	N	Nl
U+217f	U	S	m	m	m	m	m	m	rotate	rotate	N	Nl
U+2180	U	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Nl
U+2181	U	S	⌚⌚	⌚⌚	⌚⌚	⌚⌚	⌚⌚	⌚⌚	rotate	rotate	N	Nl
U+2182	U	S	⌚⌚⌚⌚	⌚⌚⌚⌚	⌚⌚⌚⌚	⌚⌚⌚⌚	⌚⌚⌚⌚	⌚⌚⌚⌚	rotate	rotate	N	Nl
U+2190	U	S	←	↑	←	↑	←	↑	upright*	upright*	A	Sm
U+2191	U	S	↑	→	↑	→	↑	→	upright*	upright*	A	Sm
U+2192	U	S	→	↓	→	↓	→	↓	upright*	upright*	A	Sm
U+2193	U	S	↓	←	↓	←	↓	←	upright*	upright*	A	Sm
U+2194	U	S	↔	↔	↔	↔	↔	↔	rotate	rotate	A	Sm
U+2195	U	S	♦	♦	♦	♦	♦	♦	rotate	rotate	A	So
U+2196	U	S	↖	↖	↖	↖	↖	↖	rotate	rotate	A	So
U+2197	U	S	↗	↗	↗	↗	↗	↗	rotate	rotate	A	So
U+2198	U	S	↘	↘	↘	↘	↘	↘	rotate	rotate	A	So
U+2199	U	S	↙	↙	↙	↙	↙	↙	rotate	rotate	A	So
U+219a	U	S	↔	↔	↔	↔	↔	↔	rotate	rotate	N	Sm
U+219b	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	Sm
U+219c	U	S	⤓	⤓	⤓	⤓	⤓	⤓	rotate	rotate	N	So
U+219d	U	S	⤔	⤔	⤔	⤔	⤔	⤔	rotate	rotate	N	So
U+219e	U	S	⤕	⤕	⤕	⤕	⤕	⤕	rotate	rotate	N	So
U+219f	U	S	⤖	⤖	⤖	⤖	⤖	⤖	rotate	rotate	N	So

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Category	Script	U	S	U	S	U	S	U	S	N	Sm	
U+21a0	U	S	➔	➔	➔	➔	➔	➔	rotate	rotate	N	Sm	Common
U+21a1	U	S	↓	↓	↓	↓	↓	↓	rotate	rotate	N	So	Common
U+21a2	U	S	↔	↔	↔	↔	↔	↔	rotate	rotate	N	So	Common
U+21a3	U	S	⤔	⤔	⤔	⤔	⤔	⤔	rotate	rotate	N	Sm	Common
U+21a4	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	So	Common
U+21a5	U	S	↑	↑	↑	↑	↑	↑	rotate	rotate	N	So	Common
U+21a6	U	S	⤓	⤓	⤓	⤓	⤓	⤓	rotate	rotate	N	Sm	Common
U+21a7	U	S	⤕	⤕	⤕	⤕	⤕	⤕	rotate	rotate	N	So	Common
U+21a8	U	S	⤖	⤖	⤖	⤖	⤖	⤖	rotate	rotate	N	So	Common
U+21a9	U	S	⤐	⤐	⤐	⤐	⤐	⤐	rotate	rotate	N	So	Common
U+21aa	U	S	⤑	⤑	⤑	⤑	⤑	⤑	rotate	rotate	N	So	Common
U+21ab	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	So	Common
U+21ac	U	S	⤓	⤓	⤓	⤓	⤓	⤓	rotate	rotate	N	So	Common
U+21ad	U	S	⤔	⤔	⤔	⤔	⤔	⤔	rotate	rotate	N	So	Common
U+21ae	U	S	⤕	⤕	⤕	⤕	⤕	⤕	rotate	rotate	N	Sm	Common
U+21af	U	S	⤖	⤖	⤖	⤖	⤖	⤖	rotate	rotate	N	So	Common
U+21b0	U	S	⤐	⤐	⤐	⤐	⤐	⤐	rotate	rotate	N	So	Common
U+21b1	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	So	Common
U+21b2	U	S	⤑	⤑	⤑	⤑	⤑	⤑	rotate	rotate	N	So	Common
U+21b3	U	S	⤓	⤓	⤓	⤓	⤓	⤓	rotate	rotate	N	So	Common
U+21b4	U	S	⤔	⤔	⤔	⤔	⤔	⤔	rotate	rotate	N	So	Common
U+21b5	U	S	⤕	⤕	⤕	⤕	⤕	⤕	rotate	rotate	N	So	Common
U+21b6	U	S	⤖	⤖	⤖	⤖	⤖	⤖	rotate	rotate	N	So	Common
U+21b7	U	S	⤐	⤐	⤐	⤐	⤐	⤐	rotate	rotate	N	So	Common
U+21b8	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	A	So	Common
U+21b9	U	S	⤓	⤓	⤓	⤓	⤓	⤓	rotate	rotate	A	So	Common
U+21ba	U	S	⤔	⤔	⤔	⤔	⤔	⤔	rotate	rotate	N	So	Common
U+21bb	U	S	⤖	⤖	⤖	⤖	⤖	⤖	rotate	rotate	N	So	Common
U+21bc	U	S	⤐	⤐	⤐	⤐	⤐	⤐	rotate	rotate	N	So	Common
U+21bd	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	So	Common
U+21be	U	S	⤕	⤕	⤕	⤕	⤕	⤕	rotate	rotate	N	So	Common
U+21bf	U	S	⤐	⤐	⤐	⤐	⤐	⤐	rotate	rotate	N	So	Common
U+21c0	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	So	Common
U+21c1	U	S	⤓	⤓	⤓	⤓	⤓	⤓	rotate	rotate	N	So	Common
U+21c2	U	S	⤑	⤑	⤑	⤑	⤑	⤑	rotate	rotate	N	So	Common
U+21c3	U	S	⤓	⤓	⤓	⤓	⤓	⤓	rotate	rotate	N	So	Common
U+21c4	U	S	⤔	⤔	⤔	⤔	⤔	⤔	upright*	upright*	N	So	Common
U+21c5	U	S	⤖	⤖	⤖	⤖	⤖	⤖	upright*	upright*	N	So	Common
U+21c6	U	S	⤐	⤐	⤐	⤐	⤐	⤐	upright*	upright*	N	So	Common
U+21c7	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	So	Common
U+21c8	U	S	⤔	⤔	⤔	⤔	⤔	⤔	rotate	rotate	N	So	Common
U+21c9	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	So	Common
U+21ca	U	S	⤖	⤖	⤖	⤖	⤖	⤖	rotate	rotate	N	So	Common
U+21cb	U	S	⤐	⤐	⤐	⤐	⤐	⤐	rotate	rotate	N	So	Common
U+21cc	U	S	⤒	⤒	⤒	⤒	⤒	⤒	rotate	rotate	N	So	Common
U+21cd	U	S	⤔	⤔	⤔	⤔	⤔	⤔	rotate	rotate	N	So	Common
U+21ce	U	S	⤖	⤖	⤖	⤖	⤖	⤖	rotate	rotate	N	Sm	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Category	Script	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	
U+21cf	U	S	≠	≠	≠	≠	≠	≠	rotate	rotate	N	Sm	Common
U+21d0	U	S	⇐	⇐	⇐	⇐	⇐	⇐	rotate	rotate	N	So	Common
U+21d1	U	S	↑	↑	↑	↑	↑	↑	rotate	rotate	N	So	Common
U+21d2	U	S	⇒	⇒	⇒	⇒	⇒	⇒	rotate	rotate	A	Sm	Common
U+21d3	U	S	↓	↓	↓	↓	↓	↓	rotate	rotate	N	So	Common
U+21d4	U	S	↔	↔	↔	↔	↔	↔	rotate	rotate	A	Sm	Common
U+21d5	U	S	◊	◊	◊	◊	◊	◊	rotate	rotate	N	So	Common
U+21d6	U	S	⤻	⤻	⤻	⤻	⤻	⤻	rotate	rotate	N	So	Common
U+21d7	U	S	⤸	⤸	⤸	⤸	⤸	⤸	rotate	rotate	N	So	Common
U+21d8	U	S	⤻	⤻	⤻	⤻	⤻	⤻	rotate	rotate	N	So	Common
U+21d9	U	S	⤹	⤹	⤹	⤹	⤹	⤹	rotate	rotate	N	So	Common
U+21da	U	S	⤻	⤻	⤻	⤻	⤻	⤻	rotate	rotate	N	So	Common
U+21db	U	S	⤻	⤻	⤻	⤻	⤻	⤻	rotate	rotate	N	So	Common
U+21dc	U	S	⤻	⤻	⤻	⤻	⤻	⤻	rotate	rotate	N	So	Common
U+21dd	U	S	⤻	⤻	⤻	⤻	⤻	⤻	rotate	rotate	N	So	Common
U+21de	U	S	₩	₩	₩	₩	₩	₩	rotate	rotate	N	So	Common
U+21df	U	S	₩	₩	₩	₩	₩	₩	rotate	rotate	N	So	Common
U+21e0	U	S	￩	￩	￩	￩	￩	￩	rotate	rotate	N	So	Common
U+21e1	U	S	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	rotate	rotate	N	So	Common
U+21e2	U	S	→→	→→	→→	→→	→→	→→	rotate	rotate	N	So	Common
U+21e3	U	S	↓↓	↓↓	↓↓	↓↓	↓↓	↓↓	rotate	rotate	N	So	Common
U+21e4	U	S	←←	←←	←←	←←	←←	←←	rotate	rotate	N	So	Common
U+21e5	U	S	⤸⤸	⤸⤸	⤸⤸	⤸⤸	⤸⤸	⤸⤸	rotate	rotate	N	So	Common
U+21e6	U	S	⤻⤻	⤻⤻	⤻⤻	⤻⤻	⤻⤻	⤻⤻	rotate	rotate	N	So	Common
U+21e7	U	S	⤹⤹	⤹⤹	⤹⤹	⤹⤹	⤹⤹	⤹⤹	rotate	rotate	A	So	Common
U+21e8	U	S	⤻⤻	⤻⤻	⤻⤻	⤻⤻	⤻⤻	⤻⤻	rotate	rotate	N	So	Common
U+21e9	U	S	⤻⤻	⤻⤻	⤻⤻	⤻⤻	⤻⤻	⤻⤻	rotate	rotate	N	So	Common
U+21ea	U	S	⤻⤻	⤻⤻	⤻⤻	⤻⤻	⤻⤻	⤻⤻	rotate	rotate	N	So	Common
U+2200	U	S	∀	∀	∀	∀	∀	∀	rotate	rotate	A	Sm	Common
U+2201	U	S	⌚	⌚	⌚	⌚	⌚	⌚	rotate	rotate	N	Sm	Common
U+2202	U	S	∂	∂	∂	∂	∂	∂	rotate	rotate	A	Sm	Common
U+2203	U	S	☰	☰	☰	☰	☰	☰	rotate	rotate	A	Sm	Common
U+2204	U	S	♯	♯	♯	♯	♯	♯	rotate	rotate	N	Sm	Common
U+2205	U	S	∅	∅	∅	∅	∅	∅	rotate	rotate	N	Sm	Common
U+2206	U	S	Δ	Δ	Δ	Δ	Δ	Δ	rotate	rotate	N	Sm	Common
U+2207	U	S	▽	▽	▽	▽	▽	▽	rotate	rotate	A	Sm	Common
U+2208	U	S	∈	∈	∈	∈	∈	∈	rotate	rotate	A	Sm	Common
U+2209	U	S	∉	∉	∉	∉	∉	∉	rotate	rotate	N	Sm	Common
U+220a	U	S	€	€	€	€	€	€	rotate	rotate	N	Sm	Common
U+220b	U	S	϶	϶	϶	϶	϶	϶	rotate	rotate	A	Sm	Common
U+220c	U	S	϶	϶	϶	϶	϶	϶	rotate	rotate	N	Sm	Common
U+220d	U	S	϶	϶	϶	϶	϶	϶	rotate	rotate	N	Sm	Common
U+220e	U	S	■	■	■	■	■	■	rotate	rotate	N	Sm	Common
U+220f	U	S	∏	∏	∏	∏	∏	∏	rotate	rotate	A	Sm	Common
U+2210	U	S	⅀	⅀	⅀	⅀	⅀	⅀	rotate	rotate	N	Sm	Common
U+2211	U	S	Σ	Σ	Σ	Σ	Σ	Σ	rotate	rotate	A	Sm	Common
U+2212	U	S	–	–	–	–	–	–	rotate	rotate	N	Sm	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryō						
U+2213	U	S	〒	〒	〒	〒	〒	〒	rotate	rotate	N	Sm	Common
U+2214	U	S	〽	〽	〽	〽	〽	〽	rotate	rotate	N	Sm	Common
U+2215	U	S	/	/	/	/	/	/	rotate	rotate	A	Sm	Common
U+2216	U	S	\	\	\	\	\	\	rotate	rotate	N	Sm	Common
U+2217	U	S	*	*	*	*	*	*	rotate	rotate	N	Sm	Common
U+2218	U	S	◦	◦	◦	◦	◦	◦	rotate	rotate	N	Sm	Common
U+2219	U	S	・	・	・	・	・	・	rotate	rotate	N	Sm	Common
U+221a	U	S	√	√	√	√	√	√	rotate	rotate	A	Sm	Common
U+221b	U	S	³√	³√	³√	³√	³√	³√	rotate	rotate	N	Sm	Common
U+221c	U	S	⁴√	⁴√	⁴√	⁴√	⁴√	⁴√	rotate	rotate	N	Sm	Common
U+221d	U	S	∞	∞	∞	∞	∞	∞	rotate	rotate	A	Sm	Common
U+221e	U	S	∞	∞	∞	∞	∞	∞	rotate	rotate	A	Sm	Common
U+221f	U	S	∟	∟	∟	∟	∟	∟	rotate	rotate	A	Sm	Common
U+2220	U	S	∠	∠	∠	∠	∠	∠	rotate	rotate	A	Sm	Common
U+2221	U	S	¤	¤	¤	¤	¤	¤	rotate	rotate	N	Sm	Common
U+2222	U	S	¤	¤	¤	¤	¤	¤	rotate	rotate	N	Sm	Common
U+2223	U	S	|	|	|	|	|	|	rotate	rotate	A	Sm	Common
U+2224	U	S	†	†	†	†	†	†	rotate	rotate	N	Sm	Common
U+2225	U	S	//	//	//	//	//	//	rotate	rotate	A	Sm	Common
U+2226	U	S	※	※	※	※	※	※	rotate	rotate	N	Sm	Common
U+2227	U	S	^	^	^	^	^	^	rotate	rotate	A	Sm	Common
U+2228	U	S	∨	∨	∨	∨	∨	∨	rotate	rotate	A	Sm	Common
U+2229	U	S	∩	∩	∩	∩	∩	∩	rotate	rotate	A	Sm	Common
U+222a	U	S	∪	∪	∪	∪	∪	∪	rotate	rotate	A	Sm	Common
U+222b	U	S	∫	∫	∫	∫	∫	∫	rotate	rotate	A	Sm	Common
U+222c	U	S	∬	∬	∬	∬	∬	∬	rotate	rotate	A	Sm	Common
U+222d	U	S	∯	∯	∯	∯	∯	∯	rotate	rotate	N	Sm	Common
U+222e	U	S	∫	∫	∫	∫	∫	∫	rotate	rotate	A	Sm	Common
U+222f	U	S	∮	∮	∮	∮	∮	∮	rotate	rotate	N	Sm	Common
U+2230	U	S	⨍	⨍	⨍	⨍	⨍	⨍	rotate	rotate	N	Sm	Common
U+2231	U	S	ƒ	ƒ	ƒ	ƒ	f	f	rotate	rotate	N	Sm	Common
U+2232	U	S	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	rotate	rotate	N	Sm	Common
U+2233	U	S	∅	∅	∅	∅	∅	∅	rotate	rotate	N	Sm	Common
U+2234	U	S	∴	∴	∴	∴	∴	∴	rotate	rotate	A	Sm	Common
U+2235	U	S	∴	∴	∴	∴	∴	∴	rotate	rotate	A	Sm	Common
U+2236	U	S	:	:	:	:	:	:	rotate	rotate	A	Sm	Common
U+2237	U	S	::	::	::	::	::	::	rotate	rotate	A	Sm	Common
U+2238	U	S	÷	÷	÷	÷	÷	÷	rotate	rotate	N	Sm	Common
U+2239	U	S	÷:	÷:	÷:	÷:	÷:	÷:	rotate	rotate	N	Sm	Common
U+223a	U	S	⋮⋮	⋮⋮	⋮⋮	⋮⋮	⋮⋮	⋮⋮	rotate	rotate	N	Sm	Common
U+223b	U	S	~	~	~	~	~	~	rotate	rotate	N	Sm	Common
U+223c	U	S	~	~	~	~	~	~	rotate	rotate	A	Sm	Common
U+223d	U	S	~	~	~	~	~	~	rotate	rotate	A	Sm	Common
U+223e	U	S	~	~	~	~	~	~	rotate	rotate	N	Sm	Common
U+223f	U	S	~	~	~	~	~	~	rotate	rotate	N	Sm	Common
U+2240	U	S	~	~	~	~	~	~	rotate	rotate	N	Sm	Common
U+2241	U	S	~	~	~	~	~	~	rotate	rotate	N	Sm	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho	Kozuka Mincho	Meiryo								
Codepoint	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char
U+2242	U	S	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	rotate
U+2243	U	S	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	rotate
U+2244	U	S	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	rotate
U+2245	U	S	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	rotate
U+2246	U	S	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	rotate
U+2247	U	S	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	rotate
U+2248	U	S	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	rotate
U+2249	U	S	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	rotate
U+224a	U	S	𠂕	𠂕	𠂕	𠂕	𠂕	𠂕	𠂕	𠂕	𠂕	𠂕	rotate
U+224b	U	S	𠂖	𠂖	𠂖	𠂖	𠂖	𠂖	𠂖	𠂖	𠂖	𠂖	rotate
U+224c	U	S	𢃀	𢃀	𢃀	𢃀	𢃀	𢃀	𢃀	𢃀	𢃀	𢃀	rotate
U+224d	U	S	𢃁	𢃁	𢃁	𢃁	𢃁	𢃁	𢃁	𢃁	𢃁	𢃁	rotate
U+224e	U	S	𢃂	𢃂	𢃂	𢃂	𢃂	𢃂	𢃂	𢃂	𢃂	𢃂	rotate
U+224f	U	S	𢃃	𢃃	𢃃	𢃃	𢃃	𢃃	𢃃	𢃃	𢃃	𢃃	rotate
U+2250	U	S	𢃄	𢃄	𢃄	𢃄	𢃄	𢃄	𢃄	𢃄	𢃄	𢃄	rotate
U+2251	U	S	𢃅	𢃅	𢃅	𢃅	𢃅	𢃅	𢃅	𢃅	𢃅	𢃅	rotate
U+2252	U	S	𢃆	𢃆	𢃆	𢃆	𢃆	𢃆	𢃆	𢃆	𢃆	𢃆	rotate
U+2253	U	S	𢃇	𢃇	𢃇	𢃇	𢃇	𢃇	𢃇	𢃇	𢃇	𢃇	rotate
U+2254	U	S	𢃈	𢃈	𢃈	𢃈	𢃈	𢃈	𢃈	𢃈	𢃈	𢃈	rotate
U+2255	U	S	𢃉	𢃉	𢃉	𢃉	𢃉	𢃉	𢃉	𢃉	𢃉	𢃉	rotate
U+2256	U	S	𢃊	𢃊	𢃊	𢃊	𢃊	𢃊	𢃊	𢃊	𢃊	𢃊	rotate
U+2257	U	S	𢃋	𢃋	𢃋	𢃋	𢃋	𢃋	𢃋	𢃋	𢃋	𢃋	rotate
U+2258	U	S	𢃌	𢃌	𢃌	𢃌	𢃌	𢃌	𢃌	𢃌	𢃌	𢃌	rotate
U+2259	U	S	𢃍	𢃍	𢃍	𢃍	𢃍	𢃍	𢃍	𢃍	𢃍	𢃍	rotate
U+225a	U	S	𢃎	𢃎	𢃎	𢃎	𢃎	𢃎	𢃎	𢃎	𢃎	𢃎	rotate
U+225b	U	S	𢃏	𢃏	𢃏	𢃏	𢃏	𢃏	𢃏	𢃏	𢃏	𢃏	rotate
U+225c	U	S	𢃐	𢃐	𢃐	𢃐	𢃐	𢃐	𢃐	𢃐	𢃐	𢃐	rotate
U+225d	U	S	𢃑	𢃑	𢃑	𢃑	𢃑	𢃑	𢃑	𢃑	𢃑	𢃑	rotate
U+225e	U	S	𢃒	𢃒	𢃒	𢃒	𢃒	𢃒	𢃒	𢃒	𢃒	𢃒	rotate
U+225f	U	S	𢃓	𢃓	𢃓	𢃓	𢃓	𢃓	𢃓	𢃓	𢃓	𢃓	rotate
U+2260	U	S	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	rotate
U+2261	U	S	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	rotate
U+2262	U	S	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	rotate
U+2263	U	S	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	rotate
U+2264	U	S	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	rotate
U+2265	U	S	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	rotate
U+2266	U	S	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	rotate
U+2267	U	S	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	rotate
U+2268	U	S	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	rotate
U+2269	U	S	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	rotate
U+226a	U	S	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	rotate
U+226b	U	S	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	rotate
U+226c	U	S	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	𠂒	rotate
U+226d	U	S	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	rotate
U+226e	U	S	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	rotate
U+226f	U	S	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	rotate
U+2270	U	S	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	rotate

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho	Kozuka Mincho	Meiryo								
U+2271	U	S	𠂔	𠂔	𠂔	𠂔	𠂔	rotate	rotate	N	Sm	Common	
U+2272	U	S	𠂎	𠂎	𠂎	𠂎	𠂎	rotate	rotate	N	Sm	Common	
U+2273	U	S	𠂏	𠂏	𠂏	𠂏	𠂏	rotate	rotate	N	Sm	Common	
U+2274	U	S	𠂐	𠂐	𠂐	𠂐	𠂐	rotate	rotate	N	Sm	Common	
U+2275	U	S	𠂑	𠂑	𠂑	𠂑	𠂑	rotate	rotate	N	Sm	Common	
U+2276	U	S	𠂓	𠂓	𠂓	𠂓	𠂓	rotate	rotate	N	Sm	Common	
U+2277	U	S	𠂔	𠂔	𠂔	𠂔	𠂔	rotate	rotate	N	Sm	Common	
U+2278	U	S	𠂕	𠂕	𠂕	𠂕	𠂕	rotate	rotate	N	Sm	Common	
U+2279	U	S	𠂖	𠂖	𠂖	𠂖	𠂖	rotate	rotate	N	Sm	Common	
U+227a	U	S	𠂗	𠂗	𠂗	𠂗	𠂗	rotate	rotate	N	Sm	Common	
U+227b	U	S	𠂘	𠂘	𠂘	𠂘	𠂘	rotate	rotate	N	Sm	Common	
U+227c	U	S	𠂙	𠂙	𠂙	𠂙	𠂙	rotate	rotate	N	Sm	Common	
U+227d	U	S	𠂚	𠂚	𠂚	𠂚	𠂚	rotate	rotate	N	Sm	Common	
U+227e	U	S	𠂛	𠂛	𠂛	𠂛	𠂛	rotate	rotate	N	Sm	Common	
U+227f	U	S	𠂜	𠂜	𠂜	𠂜	𠂜	rotate	rotate	N	Sm	Common	
U+2280	U	S	𠂝	𠂝	𠂝	𠂝	𠂝	rotate	rotate	N	Sm	Common	
U+2281	U	S	𠂞	𠂞	𠂞	𠂞	𠂞	rotate	rotate	N	Sm	Common	
U+2282	U	S	𠂟	𠂟	𠂟	𠂟	𠂟	rotate	rotate	A	Sm	Common	
U+2283	U	S	𠂢	𠂢	𠂢	𠂢	𠂢	rotate	rotate	A	Sm	Common	
U+2284	U	S	𠂣	𠂣	𠂣	𠂣	𠂣	rotate	rotate	N	Sm	Common	
U+2285	U	S	𠂥	𠂥	𠂥	𠂥	𠂥	rotate	rotate	N	Sm	Common	
U+2286	U	S	𠂦	𠂦	𠂦	𠂦	𠂦	rotate	rotate	A	Sm	Common	
U+2287	U	S	𠂧	𠂧	𠂧	𠂧	𠂧	rotate	rotate	A	Sm	Common	
U+2288	U	S	𠂩	𠂩	𠂩	𠂩	𠂩	rotate	rotate	N	Sm	Common	
U+2289	U	S	𠂪	𠂪	𠂪	𠂪	𠂪	rotate	rotate	N	Sm	Common	
U+228a	U	S	𠂫	𠂫	𠂫	𠂫	𠂫	rotate	rotate	N	Sm	Common	
U+228b	U	S	𠂬	𠂬	𠂬	𠂬	𠂬	rotate	rotate	N	Sm	Common	
U+228c	U	S	𠂭	𠂭	𠂭	𠂭	𠂭	rotate	rotate	N	Sm	Common	
U+228d	U	S	𠂮	𠂮	𠂮	𠂮	𠂮	rotate	rotate	N	Sm	Common	
U+228e	U	S	𠂯	𠂯	𠂯	𠂯	𠂯	rotate	rotate	N	Sm	Common	
U+228f	U	S	𠂱	𠂱	𠂱	𠂱	𠂱	rotate	rotate	N	Sm	Common	
U+2290	U	S	𠂳	𠂳	𠂳	𠂳	𠂳	rotate	rotate	N	Sm	Common	
U+2291	U	S	𠂴	𠂴	𠂴	𠂴	𠂴	rotate	rotate	N	Sm	Common	
U+2292	U	S	𠂵	𠂵	𠂵	𠂵	𠂵	rotate	rotate	N	Sm	Common	
U+2293	U	S	𠂶	𠂶	𠂶	𠂶	𠂶	rotate	rotate	N	Sm	Common	
U+2294	U	S	𠂷	𠂷	𠂷	𠂷	𠂷	rotate	rotate	N	Sm	Common	
U+2295	U	S	𠂸	𠂸	𠂸	𠂸	𠂸	rotate	rotate	A	Sm	Common	
U+2296	U	S	𠂹	𠂹	𠂹	𠂹	𠂹	rotate	rotate	N	Sm	Common	
U+2297	U	S	𠂺	𠂺	𠂺	𠂺	𠂺	rotate	rotate	N	Sm	Common	
U+2298	U	S	𠂻	𠂻	𠂻	𠂻	𠂻	rotate	rotate	N	Sm	Common	
U+2299	U	S	𠂼	𠂼	𠂼	𠂼	𠂼	rotate	rotate	A	Sm	Common	
U+229a	U	S	𠂽	𠂽	𠂽	𠂽	𠂽	rotate	rotate	N	Sm	Common	
U+229b	U	S	𠂾	𠂾	𠂾	𠂾	𠂾	rotate	rotate	N	Sm	Common	
U+229c	U	S	𠂷	𠂷	𠂷	𠂷	𠂷	rotate	rotate	N	Sm	Common	
U+229d	U	S	𠂸	𠂸	𠂸	𠂸	𠂸	rotate	rotate	N	Sm	Common	
U+229e	U	S	𠂹	𠂹	𠂹	𠂹	𠂹	rotate	rotate	N	Sm	Common	
U+229f	U	S	𠂻	𠂻	𠂻	𠂻	𠂻	rotate	rotate	N	Sm	Common	

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo							
Codepoint	Char	Script	U+22a0	U+22a1	U+22a2	U+22a3	U+22a4	U+22a5	U+22a6	U+22a7	U+22a8	U+22a9		
U+22a0	U	S	☒	☒	☒	☒	☒	☒	☒	rotate	rotate	N	Sm	Common
U+22a1	U	S	□	□	□	□	□	□	□	rotate	rotate	N	Sm	Common
U+22a2	U	S	𢂔	𢂔	𢂔	𢂔	𢂔	𢂔	𢂔	rotate	rotate	N	Sm	Common
U+22a3	U	S	𢂓	𢂓	𢂓	𢂓	𢂓	𢂓	𢂓	rotate	rotate	N	Sm	Common
U+22a4	U	S	𢂕	𢂕	𢂕	𢂕	𢂕	𢂕	𢂕	rotate	rotate	N	Sm	Common
U+22a5	U	S	𢂖	𢂖	𢂖	𢂖	𢂖	𢂖	𢂖	rotate	rotate	A	Sm	Common
U+22a6	U	S	𢂗	𢂗	𢂗	𢂗	𢂗	𢂗	𢂗	rotate	rotate	N	Sm	Common
U+22a7	U	S	𢂘	𢂘	𢂘	𢂘	𢂘	𢂘	𢂘	rotate	rotate	N	Sm	Common
U+22a8	U	S	𢂙	𢂙	𢂙	𢂙	𢂙	𢂙	𢂙	rotate	rotate	N	Sm	Common
U+22a9	U	S	𢂚	𢂚	𢂚	𢂚	𢂚	𢂚	𢂚	rotate	rotate	N	Sm	Common
U+22aa	U	S	𢂛	𢂛	𢂛	𢂛	𢂛	𢂛	𢂛	rotate	rotate	N	Sm	Common
U+22ab	U	S	𢂜	𢂜	𢂜	𢂜	𢂜	𢂜	𢂜	rotate	rotate	N	Sm	Common
U+22ac	U	S	𢂝	𢂝	𢂝	𢂝	𢂝	𢂝	𢂝	rotate	rotate	N	Sm	Common
U+22ad	U	S	𢂞	𢂞	𢂞	𢂞	𢂞	𢂞	𢂞	rotate	rotate	N	Sm	Common
U+22ae	U	S	𢂟	𢂟	𢂟	𢂟	𢂟	𢂟	𢂟	rotate	rotate	N	Sm	Common
U+22af	U	S	𢂠	𢂠	𢂠	𢂠	𢂠	𢂠	𢂠	rotate	rotate	N	Sm	Common
U+22b0	U	S	𢂡	𢂡	𢂡	𢂡	𢂡	𢂡	𢂡	rotate	rotate	N	Sm	Common
U+22b1	U	S	𢂢	𢂢	𢂢	𢂢	𢂢	𢂢	𢂢	rotate	rotate	N	Sm	Common
U+22b2	U	S	𢂤	𢂤	𢂤	𢂤	𢂤	𢂤	𢂤	rotate	rotate	N	Sm	Common
U+22b3	U	S	𢂥	𢂥	𢂥	𢂥	𢂥	𢂥	𢂥	rotate	rotate	N	Sm	Common
U+22b4	U	S	𢂦	𢂦	𢂦	𢂦	𢂦	𢂦	𢂦	rotate	rotate	N	Sm	Common
U+22b5	U	S	𢂧	𢂧	𢂧	𢂧	𢂧	𢂧	𢂧	rotate	rotate	N	Sm	Common
U+22b6	U	S	𢂩	𢂩	𢂩	𢂩	𢂩	𢂩	𢂩	rotate	rotate	N	Sm	Common
U+22b7	U	S	𢂪	𢂪	𢂪	𢂪	𢂪	𢂪	𢂪	rotate	rotate	N	Sm	Common
U+22b8	U	S	𢂫	𢂫	𢂫	𢂫	𢂫	𢂫	𢂫	rotate	rotate	N	Sm	Common
U+22b9	U	S	𢂬	𢂬	𢂬	𢂬	𢂬	𢂬	𢂬	rotate	rotate	N	Sm	Common
U+22ba	U	S	𢂷	𢂷	𢂷	𢂷	𢂷	𢂷	𢂷	rotate	rotate	N	Sm	Common
U+22bb	U	S	𢂸	𢂸	𢂸	𢂸	𢂸	𢂸	𢂸	rotate	rotate	N	Sm	Common
U+22bc	U	S	𢂹	𢂹	𢂹	𢂹	𢂹	𢂹	𢂹	rotate	rotate	N	Sm	Common
U+22bd	U	S	𢂺	𢂺	𢂺	𢂺	𢂺	𢂺	𢂺	rotate	rotate	N	Sm	Common
U+22be	U	S	𢂻	𢂻	𢂻	𢂻	𢂻	𢂻	𢂻	rotate	rotate	N	Sm	Common
U+22bf	U	S	𢂼	𢂼	𢂼	𢂼	𢂼	𢂼	𢂼	rotate	rotate	A	Sm	Common
U+22c0	U	S	𢂽	𢂽	𢂽	𢂽	𢂽	𢂽	𢂽	rotate	rotate	N	Sm	Common
U+22c1	U	S	𢂾	𢂾	𢂾	𢂾	𢂾	𢂾	𢂾	rotate	rotate	N	Sm	Common
U+22c2	U	S	𢂿	𢂿	𢂿	𢂿	𢂿	𢂿	𢂿	rotate	rotate	N	Sm	Common
U+22c3	U	S	𢂰	𢂰	𢂰	𢂰	𢂰	𢂰	𢂰	rotate	rotate	N	Sm	Common
U+22c4	U	S	𢂱	𢂱	𢂱	𢂱	𢂱	𢂱	𢂱	rotate	rotate	N	Sm	Common
U+22c5	U	S	·	·	·	·	·	·	·	rotate	rotate	N	Sm	Common
U+22c6	U	S	★	★	★	★	*	*	*	rotate	rotate	N	Sm	Common
U+22c7	U	S	✳	✳	✳	✳	*	*	*	rotate	rotate	N	Sm	Common
U+22c8	U	S	☒	☒	☒	☒	☒	☒	☒	rotate	rotate	N	Sm	Common
U+22c9	U	S	𢂴	𢂴	𢂴	𢂴	𢂴	𢂴	𢂴	rotate	rotate	N	Sm	Common
U+22ca	U	S	𢂵	𢂵	𢂵	𢂵	𢂵	𢂵	𢂵	rotate	rotate	N	Sm	Common
U+22cb	U	S	𢂶	𢂶	𢂶	𢂶	𢂶	𢂶	𢂶	rotate	rotate	N	Sm	Common
U+22cc	U	S	𢂷	𢂷	𢂷	𢂷	𢂷	𢂷	𢂷	rotate	rotate	N	Sm	Common
U+22cd	U	S	𢂸	𢂸	𢂸	𢂸	𢂸	𢂸	𢂸	rotate	rotate	N	Sm	Common
U+22ce	U	S	𢂹	𢂹	𢂹	𢂹	𢂹	𢂹	𢂹	rotate	rotate	N	Sm	Common

Default Orientation In Vertical Layout By Codepoint

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
U+239e	U	S	＼	／	＼	／	＼	／	upright*	upright*	N	Sm	Common
U+239f	U	S	|	—	|	—	|	—	upright*	upright*	N	Sm	Common
U+23a0	U	S	)	＼	)	＼	)	＼	upright*	upright*	N	Sm	Common
U+23a1	U	S	「	」	「	」	「	」	upright*	upright*	N	Sm	Common
U+23a2	U	S	|	—	|	—	|	—	upright*	upright*	N	Sm	Common
U+23a3	U	S	└	┘	└	┘	└	┘	upright*	upright*	N	Sm	Common
U+23a4	U	S	】	】	】	】	】	】	upright*	upright*	N	Sm	Common
U+23a5	U	S	|	—	|	—	|	—	upright*	upright*	N	Sm	Common
U+23a6	U	S	』	』	』	』	』	』	upright*	upright*	N	Sm	Common
U+23a7	U	S	『	』	『	』	『	』	upright*	upright*	N	Sm	Common
U+23a8	U	S	{	—	{	—	{	—	upright*	upright*	N	Sm	Common
U+23a9	U	S	l	—	l	—	l	—	upright*	upright*	N	Sm	Common
U+23aa	U	S	|	—	|	—	|	—	upright*	upright*	N	Sm	Common
U+23ab	U	S	|	—	|	—	|	—	upright*	upright*	N	Sm	Common
U+23ac	U	S	{	—	{	—	{	—	upright*	upright*	N	Sm	Common
U+23ad	U	S	)	—	)	—	)	—	upright*	upright*	N	Sm	Common
U+23b0	U	S	ſ	—	ſ	—	ſ	—	upright*	upright*	N	Sm	Common
U+23b1	U	S	l	—	l	—	l	—	upright*	upright*	N	Sm	Common
U+23be	U	U	「	」	「	」	「	」	rotate	rotate	N	So	Common
U+23bf	U	U	└	┘	└	┘	└	┘	rotate	rotate	N	So	Common
U+23c0	U	U	Φ	Φ	Φ	Φ	Φ	Φ	rotate	rotate	N	So	Common
U+23c1	U	U	Φ	Φ	Φ	Φ	Φ	Φ	rotate	rotate	N	So	Common
U+23c2	U	U	Φ	Φ	Φ	Φ	Φ	Φ	rotate	rotate	N	So	Common
U+23c3	U	U	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	rotate	rotate	N	So	Common
U+23c4	U	U	Ⓑ	Ⓑ	Ⓑ	Ⓑ	Ⓑ	Ⓑ	rotate	rotate	N	So	Common
U+23c5	U	U	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	rotate	rotate	N	So	Common
U+23c6	U	U	+	+	+	+	+	+	rotate	rotate	N	So	Common
U+23c7	U	U	ヰ	ヰ	ヰ	ヰ	ヰ	ヰ	rotate	rotate	N	So	Common
U+23c8	U	U	ヰ	ヰ	ヰ	ヰ	ヰ	ヰ	rotate	rotate	N	So	Common
U+23c9	U	U	ㄒ	ㄒ	ㄒ	ㄒ	ㄒ	ㄒ	rotate	rotate	N	So	Common
U+23ca	U	U	ㄒ	ㄒ	ㄒ	ㄒ	ㄒ	ㄒ	rotate	rotate	N	So	Common
U+23cb	U	U	】	】	】	】	】	】	rotate	rotate	N	So	Common
U+23cc	U	U	』	』	』	』	』	』	rotate	rotate	N	So	Common
U+23ce	U	U	«	»	«	»	«	»	rotate	rotate	N	So	Common
U+2423	U	U	—	—	—	—	—	—	rotate	rotate	N	So	Common
U+244a	U	U	//	//	//	//	//	//	rotate	rotate	N	So	Common
U+2460	U	U	①	①	①	①	①	①	rotate	upright	A	No	Common
U+2461	U	U	②	②	②	②	②	②	rotate	upright	A	No	Common
U+2462	U	U	③	③	③	③	③	③	rotate	upright	A	No	Common
U+2463	U	U	④	④	④	④	④	④	rotate	upright	A	No	Common
U+2464	U	U	⑤	⑤	⑤	⑤	⑤	⑤	rotate	upright	A	No	Common
U+2465	U	U	⑥	⑥	⑥	⑥	⑥	⑥	rotate	upright	A	No	Common
U+2466	U	U	⑦	⑦	⑦	⑦	⑦	⑦	rotate	upright	A	No	Common
U+2467	U	U	⑧	⑧	⑧	⑧	⑧	⑧	rotate	upright	A	No	Common
U+2468	U	U	⑨	⑨	⑨	⑨	⑨	⑨	rotate	upright	A	No	Common
U+2469	U	U	⑩	⑩	⑩	⑩	⑩	⑩	rotate	upright	A	No	Common
U+246a	U	U	⑪	⑪	⑪	⑪	⑪	⑪	rotate	upright	A	No	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Char	Char	Char	Char	Char	Char	Char	Char	Orientation	Upright	Script	Category	
U+246b	U	U	12	12	12	12	12	12	rotate	upright	A	No	Common
U+246c	U	U	13	13	13	13	13	13	rotate	upright	A	No	Common
U+246d	U	U	14	14	14	14	14	14	rotate	upright	A	No	Common
U+246e	U	U	15	15	15	15	15	15	rotate	upright	A	No	Common
U+246f	U	U	16	16	16	16	16	16	rotate	upright	A	No	Common
U+2470	U	U	17	17	17	17	17	17	rotate	upright	A	No	Common
U+2471	U	U	18	18	18	18	18	18	rotate	upright	A	No	Common
U+2472	U	U	19	19	19	19	19	19	rotate	upright	A	No	Common
U+2473	U	U	20	20	20	20	20	20	rotate	upright	A	No	Common
U+2474	U	U	(1)	(1)	(1)	(1)	(1)	(1)	rotate	upright	A	No	Common
U+2475	U	U	(2)	(2)	(2)	(2)	(2)	(2)	rotate	upright	A	No	Common
U+2476	U	U	(3)	(3)	(3)	(3)	(3)	(3)	rotate	upright	A	No	Common
U+2477	U	U	(4)	(4)	(4)	(4)	(4)	(4)	rotate	upright	A	No	Common
U+2478	U	U	(5)	(5)	(5)	(5)	(5)	(5)	rotate	upright	A	No	Common
U+2479	U	U	(6)	(6)	(6)	(6)	(6)	(6)	rotate	upright	A	No	Common
U+247a	U	U	(7)	(7)	(7)	(7)	(7)	(7)	rotate	upright	A	No	Common
U+247b	U	U	(8)	(8)	(8)	(8)	(8)	(8)	rotate	upright	A	No	Common
U+247c	U	U	(9)	(9)	(9)	(9)	(9)	(9)	rotate	upright	A	No	Common
U+247d	U	U	(10)	(10)	(10)	(10)	(10)	(10)	rotate	upright	A	No	Common
U+247e	U	U	(11)	(11)	(11)	(11)	(11)	(11)	rotate	upright	A	No	Common
U+247f	U	U	(12)	(12)	(12)	(12)	(12)	(12)	rotate	upright	A	No	Common
U+2480	U	U	(13)	(13)	(13)	(13)	(13)	(13)	rotate	upright	A	No	Common
U+2481	U	U	(14)	(14)	(14)	(14)	(14)	(14)	rotate	upright	A	No	Common
U+2482	U	U	(15)	(15)	(15)	(15)	(15)	(15)	rotate	upright	A	No	Common
U+2483	U	U	(16)	(16)	(16)	(16)	(16)	(16)	rotate	upright	A	No	Common
U+2484	U	U	(17)	(17)	(17)	(17)	(17)	(17)	rotate	upright	A	No	Common
U+2485	U	U	(18)	(18)	(18)	(18)	(18)	(18)	rotate	upright	A	No	Common
U+2486	U	U	(19)	(19)	(19)	(19)	(19)	(19)	rotate	upright	A	No	Common
U+2487	U	U	(20)	(20)	(20)	(20)	(20)	(20)	rotate	upright	A	No	Common
U+2488	U	U	1.	1.	1.	1.	1.	1.	rotate	upright	A	No	Common
U+2489	U	U	2.	2.	2.	2.	2.	2.	rotate	upright	A	No	Common
U+248a	U	U	3.	3.	3.	3.	3.	3.	rotate	upright	A	No	Common
U+248b	U	U	4.	4.	4.	4.	4.	4.	rotate	upright	A	No	Common
U+248c	U	U	5.	5.	5.	5.	5.	5.	rotate	upright	A	No	Common
U+248d	U	U	6.	6.	6.	6.	6.	6.	rotate	upright	A	No	Common
U+248e	U	U	7.	7.	7.	7.	7.	7.	rotate	upright	A	No	Common
U+248f	U	U	8.	8.	8.	8.	8.	8.	rotate	upright	A	No	Common
U+2490	U	U	9.	9.	9.	9.	9.	9.	rotate	upright	A	No	Common
U+2491	U	U	10.	10.	10.	10.	10.	10.	rotate	upright	A	No	Common
U+2492	U	U	11.	11.	11.	11.	11.	11.	rotate	upright	A	No	Common
U+2493	U	U	12.	12.	12.	12.	12.	12.	rotate	upright	A	No	Common
U+2494	U	U	13.	13.	13.	13.	13.	13.	rotate	upright	A	No	Common
U+2495	U	U	14.	14.	14.	14.	14.	14.	rotate	upright	A	No	Common
U+2496	U	U	15.	15.	15.	15.	15.	15.	rotate	upright	A	No	Common
U+2497	U	U	16.	16.	16.	16.	16.	16.	rotate	upright	A	No	Common
U+2498	U	U	17.	17.	17.	17.	17.	17.	rotate	upright	A	No	Common
U+2499	U	U	18.	18.	18.	18.	18.	18.	rotate	upright	A	No	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
	U	U	19.	19.	19.	19.	19.	19.	rotate	upright	A	No	Common
U+249a	U	U	19.	19.	19.	19.	19.	19.	rotate	upright	A	No	Common
U+249b	U	U	20.	20.	20.	20.	20.	20.	rotate	upright	A	No	Common
U+249c	U	U	(a)	(a)	(a)	(a)	(a)	(a)	rotate	upright	A	So	Common
U+249d	U	U	(b)	(b)	(b)	(b)	(b)	(b)	rotate	upright	A	So	Common
U+249e	U	U	(c)	(c)	(c)	(c)	(c)	(c)	rotate	upright	A	So	Common
U+249f	U	U	(d)	(d)	(d)	(d)	(d)	(d)	rotate	upright	A	So	Common
U+24a0	U	U	(e)	(e)	(e)	(e)	(e)	(e)	rotate	upright	A	So	Common
U+24a1	U	U	(f)	(f)	(f)	(f)	(f)	(f)	rotate	upright	A	So	Common
U+24a2	U	U	(g)	(g)	(g)	(g)	(g)	(g)	rotate	upright	A	So	Common
U+24a3	U	U	(h)	(h)	(h)	(h)	(h)	(h)	rotate	upright	A	So	Common
U+24a4	U	U	(i)	(i)	(i)	(i)	(i)	(i)	rotate	upright	A	So	Common
U+24a5	U	U	(j)	(j)	(j)	(j)	(j)	(j)	rotate	upright	A	So	Common
U+24a6	U	U	(k)	(k)	(k)	(k)	(k)	(k)	rotate	upright	A	So	Common
U+24a7	U	U	(l)	(l)	(l)	(l)	(l)	(l)	rotate	upright	A	So	Common
U+24a8	U	U	(m)	(m)	(m)	(m)	(m)	(m)	rotate	upright	A	So	Common
U+24a9	U	U	(n)	(n)	(n)	(n)	(n)	(n)	rotate	upright	A	So	Common
U+24aa	U	U	(o)	(o)	(o)	(o)	(o)	(o)	rotate	upright	A	So	Common
U+24ab	U	U	(p)	(p)	(p)	(p)	(p)	(p)	rotate	upright	A	So	Common
U+24ac	U	U	(q)	(q)	(q)	(q)	(q)	(q)	rotate	upright	A	So	Common
U+24ad	U	U	(r)	(r)	(r)	(r)	(r)	(r)	rotate	upright	A	So	Common
U+24ae	U	U	(s)	(s)	(s)	(s)	(s)	(s)	rotate	upright	A	So	Common
U+24af	U	U	(t)	(t)	(t)	(t)	(t)	(t)	rotate	upright	A	So	Common
U+24b0	U	U	(u)	(u)	(u)	(u)	(u)	(u)	rotate	upright	A	So	Common
U+24b1	U	U	(v)	(v)	(v)	(v)	(v)	(v)	rotate	upright	A	So	Common
U+24b2	U	U	(w)	(w)	(w)	(w)	(w)	(w)	rotate	upright	A	So	Common
U+24b3	U	U	(x)	(x)	(x)	(x)	(x)	(x)	rotate	upright	A	So	Common
U+24b4	U	U	(y)	(y)	(y)	(y)	(y)	(y)	rotate	upright	A	So	Common
U+24b5	U	U	(z)	(z)	(z)	(z)	(z)	(z)	rotate	upright	A	So	Common
U+24b6	U	U	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	Ⓐ	rotate	upright	A	So	Common
U+24b7	U	U	Ⓑ	Ⓑ	Ⓑ	Ⓑ	Ⓑ	Ⓑ	rotate	upright	A	So	Common
U+24b8	U	U	Ⓒ	Ⓒ	Ⓒ	Ⓒ	Ⓒ	Ⓒ	rotate	upright	A	So	Common
U+24b9	U	U	Ⓓ	Ⓓ	Ⓓ	Ⓓ	Ⓓ	Ⓓ	rotate	upright	A	So	Common
U+24ba	U	U	Ⓔ	Ⓔ	Ⓔ	Ⓔ	Ⓔ	Ⓔ	rotate	upright	A	So	Common
U+24bb	U	U	Ⓕ	Ⓕ	Ⓕ	Ⓕ	Ⓕ	Ⓕ	rotate	upright	A	So	Common
U+24bc	U	U	Ⓖ	Ⓖ	Ⓖ	Ⓖ	Ⓖ	Ⓖ	rotate	upright	A	So	Common
U+24bd	U	U	Ⓗ	Ⓗ	Ⓗ	Ⓗ	Ⓗ	Ⓗ	rotate	upright	A	So	Common
U+24be	U	U	Ⓘ	Ⓘ	Ⓘ	Ⓘ	Ⓘ	Ⓘ	rotate	upright	A	So	Common
U+24bf	U	U	Ⓛ	Ⓛ	Ⓛ	Ⓛ	Ⓛ	Ⓛ	rotate	upright	A	So	Common
U+24c0	U	U	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	rotate	upright	A	So	Common
U+24c1	U	U	Ⓛ	Ⓛ	Ⓛ	Ⓛ	Ⓛ	Ⓛ	rotate	upright	A	So	Common
U+24c2	U	U	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	rotate	upright	A	So	Common
U+24c3	U	U	Ⓝ	Ⓝ	Ⓝ	Ⓝ	Ⓝ	Ⓝ	rotate	upright	A	So	Common
U+24c4	U	U	Ⓞ	Ⓞ	Ⓞ	Ⓞ	Ⓞ	Ⓞ	rotate	upright	A	So	Common
U+24c5	U	U	Ⓟ	Ⓟ	Ⓟ	Ⓟ	Ⓟ	Ⓟ	rotate	upright	A	So	Common
U+24c6	U	U	Ⓠ	Ⓠ	Ⓠ	Ⓠ	Ⓠ	Ⓠ	rotate	upright	A	So	Common
U+24c7	U	U	Ⓡ	Ⓡ	Ⓡ	Ⓡ	Ⓡ	Ⓡ	rotate	upright	A	So	Common
U+24c8	U	U	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	rotate	upright	A	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
U+24c9	U	U	Ⓣ	Ⓣ	Ⓣ	Ⓣ	Ⓣ	Ⓣ	rotate	upright	A	So	Common
U+24ca	U	U	Ⓤ	Ⓤ	Ⓤ	Ⓤ	Ⓤ	Ⓤ	rotate	upright	A	So	Common
U+24cb	U	U	Ⓨ	Ⓨ	Ⓨ	Ⓨ	Ⓨ	Ⓨ	rotate	upright	A	So	Common
U+24cc	U	U	Ⓩ	Ⓩ	Ⓩ	Ⓩ	Ⓩ	Ⓩ	rotate	upright	A	So	Common
U+24cd	U	U	ⓗ	ⓗ	ⓗ	ⓗ	ⓗ	ⓗ	rotate	upright	A	So	Common
U+24ce	U	U	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ	rotate	upright	A	So	Common
U+24cf	U	U	ⓙ	ⓙ	ⓙ	ⓙ	ⓙ	ⓙ	rotate	upright	A	So	Common
U+24d0	U	U	ⓐ	ⓐ	ⓐ	ⓐ	ⓐ	ⓐ	rotate	upright	A	So	Common
U+24d1	U	U	ⓑ	ⓑ	ⓑ	ⓑ	ⓑ	ⓑ	rotate	upright	A	So	Common
U+24d2	U	U	ⓒ	ⓒ	ⓒ	ⓒ	ⓒ	ⓒ	rotate	upright	A	So	Common
U+24d3	U	U	ⓓ	ⓓ	ⓓ	ⓓ	ⓓ	ⓓ	rotate	upright	A	So	Common
U+24d4	U	U	ⓔ	ⓔ	ⓔ	ⓔ	ⓔ	ⓔ	rotate	upright	A	So	Common
U+24d5	U	U	ⓕ	ⓕ	ⓕ	ⓕ	ⓕ	ⓕ	rotate	upright	A	So	Common
U+24d6	U	U	ⓖ	ⓖ	ⓖ	ⓖ	ⓖ	ⓖ	rotate	upright	A	So	Common
U+24d7	U	U	ⓗ	ⓗ	ⓗ	ⓗ	ⓗ	ⓗ	rotate	upright	A	So	Common
U+24d8	U	U	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ	rotate	upright	A	So	Common
U+24d9	U	U	ⓙ	ⓙ	ⓙ	ⓙ	ⓙ	ⓙ	rotate	upright	A	So	Common
U+24da	U	U	ⓚ	ⓚ	ⓚ	ⓚ	ⓚ	ⓚ	rotate	upright	A	So	Common
U+24db	U	U	ⓛ	ⓛ	ⓛ	ⓛ	ⓛ	ⓛ	rotate	upright	A	So	Common
U+24dc	U	U	ⓜ	ⓜ	ⓜ	ⓜ	ⓜ	ⓜ	rotate	upright	A	So	Common
U+24dd	U	U	ⓝ	ⓝ	ⓝ	ⓝ	ⓝ	ⓝ	rotate	upright	A	So	Common
U+24de	U	U	ⓞ	ⓞ	ⓞ	ⓞ	ⓞ	ⓞ	rotate	upright	A	So	Common
U+24df	U	U	ⓟ	ⓟ	ⓟ	ⓟ	ⓟ	ⓟ	rotate	upright	A	So	Common
U+24e0	U	U	ⓠ	ⓠ	ⓠ	ⓠ	ⓠ	ⓠ	rotate	upright	A	So	Common
U+24e1	U	U	Ⓣ	Ⓣ	Ⓣ	Ⓣ	Ⓣ	Ⓣ	rotate	upright	A	So	Common
U+24e2	U	U	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	rotate	upright	A	So	Common
U+24e3	U	U	Ⓣ	Ⓣ	Ⓣ	Ⓣ	Ⓣ	Ⓣ	rotate	upright	A	So	Common
U+24e4	U	U	ⓤ	ⓤ	ⓤ	ⓤ	ⓤ	ⓤ	rotate	upright	A	So	Common
U+24e5	U	U	ⓥ	ⓥ	ⓥ	ⓥ	ⓥ	ⓥ	rotate	upright	A	So	Common
U+24e6	U	U	ⓦ	ⓦ	ⓦ	ⓦ	ⓦ	ⓦ	rotate	upright	A	So	Common
U+24e7	U	U	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	ⓧ	rotate	upright	A	So	Common
U+24e8	U	U	ⓨ	ⓨ	ⓨ	ⓨ	ⓨ	ⓨ	rotate	upright	A	So	Common
U+24e9	U	U	ⓩ	ⓩ	ⓩ	ⓩ	ⓩ	ⓩ	rotate	upright	A	So	Common
U+24ea	U	U	⓪	⓪	⓪	⓪	⓪	⓪	rotate	upright	N	No	Common
U+24eb	U	U	⓫	⓫	⓫	⓫	⓫	⓫	rotate	upright	A	No	Common
U+24ec	U	U	⓬	⓬	⓬	⓬	⓬	⓬	rotate	upright	A	No	Common
U+24ed	U	U	⓭	⓭	⓭	⓭	⓭	⓭	rotate	upright	A	No	Common
U+24ee	U	U	⓮	⓮	⓮	⓮	⓮	⓮	rotate	upright	A	No	Common
U+24ef	U	U	⓯	⓯	⓯	⓯	⓯	⓯	rotate	upright	A	No	Common
U+24f0	U	U	⓰	⓰	⓰	⓰	⓰	⓰	rotate	upright	A	No	Common
U+24f1	U	U	⓱	⓱	⓱	⓱	⓱	⓱	rotate	upright	A	No	Common
U+24f2	U	U	⓲	⓲	⓲	⓲	⓲	⓲	rotate	upright	A	No	Common
U+24f3	U	U	⓳	⓳	⓳	⓳	⓳	⓳	rotate	upright	A	No	Common
U+24f4	U	U	⓴	⓴	⓴	⓴	⓴	⓴	rotate	upright	A	No	Common
U+24f5	U	U	⓵	⓵	⓵	⓵	⓵	⓵	rotate	upright	A	No	Common
U+24f6	U	U	⓶	⓶	⓶	⓶	⓶	⓶	rotate	upright	A	No	Common
U+24f7	U	U	⓷	⓷	⓷	⓷	⓷	⓷	rotate	upright	A	No	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo							
Codepoint	Character	Font	U+24f8	U+24f9	U+24fa	U+24fb	U+24fc	U+24fd	U+24fe	U+24ff	U+2500	U+2501		
U+24f8	U	U	④	④	④	④	④	④	④	rotate	upright	A	No	Common
U+24f9	U	U	⑤	⑤	⑤	⑤	⑤	⑤	⑤	rotate	upright	A	No	Common
U+24fa	U	U	⑥	⑥	⑥	⑥	⑥	⑥	⑥	rotate	upright	A	No	Common
U+24fb	U	U	⑦	⑦	⑦	⑦	⑦	⑦	⑦	rotate	upright	A	No	Common
U+24fc	U	U	⑧	⑧	⑧	⑧	⑧	⑧	⑧	rotate	upright	A	No	Common
U+24fd	U	U	⑨	⑨	⑨	⑨	⑨	⑨	⑨	rotate	upright	A	No	Common
U+24fe	U	U	⑩	⑩	⑩	⑩	⑩	⑩	⑩	rotate	upright	A	No	Common
U+24ff	U	U	⓪	⓪	⓪	⓪	⓪	⓪	⓪	rotate	upright	A	No	Common
U+2500	U	S	—	|	—	|	—	|	|	upright*	upright*	A	So	Common
U+2501	U	S	—	|	—	|	—	|	|	upright*	upright*	A	So	Common
U+2502	U	S	|	—	|	—	|	—	|	upright*	upright*	A	So	Common
U+2503	U	S	|	—	|	—	|	—	|	upright*	upright*	A	So	Common
U+2504	U	S	---	..	---	..	---	..	..	upright*	upright*	A	So	Common
U+2505	U	S	---	..	---	..	---	..	..	upright*	upright*	A	So	Common
U+2506	U	S	..	---	..	---	..	---	..	upright*	upright*	A	So	Common
U+2507	U	S	..	---	..	---	..	---	..	upright*	upright*	A	So	Common
U+2508	U	S	...	..	...	..	...	..	..	upright*	upright*	A	So	Common
U+2509	U	S	...	..	...	..	...	..	..	upright*	upright*	A	So	Common
U+250a	U	S	...	...	...	...	...	...	...	upright*	upright*	A	So	Common
U+250b	U	S	...	...	...	...	...	...	...	upright*	upright*	A	So	Common
U+250c	U	S	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	upright*	upright*	A	So	Common
U+250d	U	S	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	upright*	upright*	A	So	Common
U+250e	U	S	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	upright*	upright*	A	So	Common
U+250f	U	S	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	ㄱ	upright*	upright*	A	So	Common
U+2510	U	S	ㄱ	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	ㄴ	upright*	upright*	A	So	Common
U+2511	U	S	ㄱ	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	ㄴ	upright*	upright*	A	So	Common
U+2512	U	S	ㄱ	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	ㄴ	upright*	upright*	A	So	Common
U+2513	U	S	ㄱ	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	ㄴ	upright*	upright*	A	So	Common
U+2514	U	S	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	upright*	upright*	A	So	Common
U+2515	U	S	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	upright*	upright*	A	So	Common
U+2516	U	S	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	upright*	upright*	A	So	Common
U+2517	U	S	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	ㄱ	ㄴ	upright*	upright*	A	So	Common
U+2518	U	S	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	upright*	upright*	A	So	Common
U+2519	U	S	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	upright*	upright*	A	So	Common
U+251a	U	S	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	upright*	upright*	A	So	Common
U+251b	U	S	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	ㄴ	upright*	upright*	A	So	Common
U+251c	U	S	ㅏ	ㅓ	ㅏ	ㅓ	ㅏ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+251d	U	S	ㅏ	ㅓ	ㅏ	ㅓ	ㅏ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+251e	U	S	ㅏ	ㅓ	ㅏ	ㅓ	ㅏ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+251f	U	S	ㅏ	ㅓ	ㅏ	ㅓ	ㅏ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+2520	U	S	ㅏ	ㅓ	ㅏ	ㅓ	ㅏ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+2521	U	S	ㅏ	ㅓ	ㅏ	ㅓ	ㅏ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+2522	U	S	ㅏ	ㅓ	ㅏ	ㅓ	ㅏ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+2523	U	S	ㅏ	ㅓ	ㅏ	ㅓ	ㅏ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+2524	U	S	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+2525	U	S	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	upright*	upright*	A	So	Common
U+2526	U	S	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	ㅓ	upright*	upright*	A	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho	Kozuka Mincho	Meiryo							
U+2527	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2528	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2529	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+252a	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+252b	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+252c	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+252d	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+252e	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+252f	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2530	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2531	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2532	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2533	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2534	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2535	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2536	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2537	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2538	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+2539	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+253a	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+253b	U	S	-	-	-	-	-	upright*	upright*	A	So	Common
U+253c	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+253d	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+253e	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+253f	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2540	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2541	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2542	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2543	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2544	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2545	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2546	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2547	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2548	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+2549	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+254a	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+254b	U	S	+	+	+	+	+	upright*	upright*	A	So	Common
U+254c	U	S	--	--	--	--	--	rotate	rotate	N	So	Common
U+254d	U	S	--	--	--	--	--	rotate	rotate	N	So	Common
U+254e	U	S	|	|	|	|	|	rotate	rotate	N	So	Common
U+254f	U	S	|	|	|	|	|	rotate	rotate	N	So	Common
U+2550	U	S	=	=	=	=	=	rotate	rotate	A	So	Common
U+2551	U	S	||	||	||	||	||	rotate	rotate	A	So	Common
U+2552	U	S	F	F	F	F	F	rotate	rotate	A	So	Common
U+2553	U	S	FF	FF	FF	FF	FF	rotate	rotate	A	So	Common
U+2554	U	S	FFF	FFF	FFF	FFF	FFF	rotate	rotate	A	So	Common
U+2555	U	S	FFF	FFF	FFF	FFF	FFF	rotate	rotate	A	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Code Point	Category	Script	hiragana	hiragana	hiragana	hiragana	hiragana	hiragana	angle	angle	angle	angle	
U+2556	U	S	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	rotate	rotate	A	So	Common
U+2557	U	S	𠂉	𠂉	𠂉	𠂉	𠂉	𠂉	rotate	rotate	A	So	Common
U+2558	U	S	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	rotate	rotate	A	So	Common
U+2559	U	S	𠂋	𠂋	𠂋	𠂋	𠂋	𠂋	rotate	rotate	A	So	Common
U+255a	U	S	𠂌	𠂌	𠂌	𠂌	𠂌	𠂌	rotate	rotate	A	So	Common
U+255b	U	S	𠂍	𠂍	𠂍	𠂍	𠂍	𠂍	rotate	rotate	A	So	Common
U+255c	U	S	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	rotate	rotate	A	So	Common
U+255d	U	S	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	rotate	rotate	A	So	Common
U+255e	U	S	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	rotate	rotate	A	So	Common
U+255f	U	S	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	rotate	rotate	A	So	Common
U+2560	U	S	𠂓	𠂓	𠂓	𠂓	𠂓	𠂓	rotate	rotate	A	So	Common
U+2561	U	S	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	rotate	rotate	A	So	Common
U+2562	U	S	𠂕	𠂕	𠂕	𠂕	𠂕	𠂕	rotate	rotate	A	So	Common
U+2563	U	S	𠂖	𠂖	𠂖	𠂖	𠂖	𠂖	rotate	rotate	A	So	Common
U+2564	U	S	𠂗	𠂗	𠂗	𠂗	𠂗	𠂗	rotate	rotate	A	So	Common
U+2565	U	S	𠂘	𠂘	𠂘	𠂘	𠂘	𠂘	rotate	rotate	A	So	Common
U+2566	U	S	𠂙	𠂙	𠂙	𠂙	𠂙	𠂙	rotate	rotate	A	So	Common
U+2567	U	S	𠂚	𠂚	𠂚	𠂚	𠂚	𠂚	rotate	rotate	A	So	Common
U+2568	U	S	𠂛	𠂛	𠂛	𠂛	𠂛	𠂛	rotate	rotate	A	So	Common
U+2569	U	S	𠂜	𠂜	𠂜	𠂜	𠂜	𠂜	rotate	rotate	A	So	Common
U+256a	U	S	𠂝	𠂝	𠂝	𠂝	𠂝	𠂝	rotate	rotate	A	So	Common
U+256b	U	S	𠂞	𠂞	𠂞	𠂞	𠂞	𠂞	rotate	rotate	A	So	Common
U+256c	U	S	𠂟	𠂟	𠂟	𠂟	𠂟	𠂟	rotate	rotate	A	So	Common
U+256d	U	S	𠂢	𠂢	𠂢	𠂢	𠂢	𠂢	rotate	rotate	A	So	Common
U+256e	U	S	𠂤	𠂤	𠂤	𠂤	𠂤	𠂤	rotate	rotate	A	So	Common
U+256f	U	S	𠂥	𠂥	𠂥	𠂥	𠂥	𠂥	rotate	rotate	A	So	Common
U+2570	U	S	𠂦	𠂦	𠂦	𠂦	𠂦	𠂦	rotate	rotate	A	So	Common
U+2571	U	S	𠂧	𠂧	𠂧	𠂧	𠂧	𠂧	rotate	rotate	A	So	Common
U+2572	U	S	𠂨	𠂨	𠂨	𠂨	𠂨	𠂨	rotate	rotate	A	So	Common
U+2573	U	S	𠂩	𠂩	𠂩	𠂩	𠂩	𠂩	rotate	rotate	A	So	Common
U+2574	U	S	𠂪	𠂪	𠂪	𠂪	𠂪	𠂪	rotate	rotate	N	So	Common
U+2575	U	S	𠂫	𠂫	𠂫	𠂫	𠂫	𠂫	rotate	rotate	N	So	Common
U+2576	U	S	𠂬	𠂬	𠂬	𠂬	𠂬	𠂬	rotate	rotate	N	So	Common
U+2577	U	S	𠂭	𠂭	𠂭	𠂭	𠂭	𠂭	rotate	rotate	N	So	Common
U+2578	U	S	𠂮	𠂮	𠂮	𠂮	𠂮	𠂮	rotate	rotate	N	So	Common
U+2579	U	S	𠂯	𠂯	𠂯	𠂯	𠂯	𠂯	rotate	rotate	N	So	Common
U+257a	U	S	𠂱	𠂱	𠂱	𠂱	𠂱	𠂱	rotate	rotate	N	So	Common
U+257b	U	S	𠂳	𠂳	𠂳	𠂳	𠂳	𠂳	rotate	rotate	N	So	Common
U+257c	U	S	𠂴	𠂴	𠂴	𠂴	𠂴	𠂴	rotate	rotate	N	So	Common
U+257d	U	S	𠂵	𠂵	𠂵	𠂵	𠂵	𠂵	rotate	rotate	N	So	Common
U+257e	U	S	𠂶	𠂶	𠂶	𠂶	𠂶	𠂶	rotate	rotate	N	So	Common
U+257f	U	S	𠂷	𠂷	𠂷	𠂷	𠂷	𠂷	rotate	rotate	N	So	Common
U+2580	U	S	𠂸	𠂸	𠂸	𠂸	𠂸	𠂸	rotate	rotate	A	So	Common
U+2581	U	S	𠂹	𠂹	𠂹	𠂹	𠂹	𠂹	rotate	rotate	A	So	Common
U+2582	U	S	𠂺	𠂺	𠂺	𠂺	𠂺	𠂺	rotate	rotate	A	So	Common
U+2583	U	S	𠂻	𠂻	𠂻	𠂻	𠂻	𠂻	rotate	rotate	A	So	Common
U+2584	U	S	𠂼	𠂼	𠂼	𠂼	𠂼	𠂼	rotate	rotate	A	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho	Kozuka Mincho	Meiryo						
Codepoint	Category	Script	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol	Symbol
U+2585	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+2586	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+2587	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+2588	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+2589	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+258a	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+258b	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+258c	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+258d	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+258e	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+258f	U	S	| |	| |	| |	| |	| |	| |	rotate	rotate	A So Common
U+2590	U	S	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	N So Common
U+2591	U	S	● ●	● ●	● ●	● ●	● ●	● ●	rotate	rotate	N So Common
U+2592	U	S	▣ ▣	▣ ▣	▣ ▣	▣ ▣	▣ ▣	▣ ▣	rotate	rotate	A So Common
U+2593	U	S	▨ ▨	▨ ▨	▨ ▨	▨ ▨	▨ ▨	▨ ▨	rotate	rotate	A So Common
U+2594	U	S	— —	— —	— —	— —	— —	— —	rotate	rotate	A So Common
U+2595	U	S	| |	| |	| |	| |	| |	| |	rotate	rotate	A So Common
U+25a0	U	U	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	rotate	A So Common
U+25a1	U	U	□ □	□ □	□ □	□ □	□ □	□ □	rotate	rotate	A So Common
U+25a2	U	U	□ □	□ □	□ □	□ □	□ □	□ □	rotate	rotate	N So Common
U+25a3	U	U	▣ ▣	▣ ▣	▣ ▣	▣ ▣	▣ ▣	▣ ▣	rotate	rotate	A So Common
U+25a4	U	U	▤ ▤	▤ ▤	▤ ▤	▤ ▤	▤ ▤	▤ ▤	rotate	upright	A So Common
U+25a5	U	U	▥ ▥	▥ ▥	▥ ▥	▥ ▥	▥ ▥	▥ ▥	rotate	upright	A So Common
U+25a6	U	U	▦ ▦	▦ ▦	▦ ▦	▦ ▦	▦ ▦	▦ ▦	rotate	upright	A So Common
U+25a7	U	U	▨ ▨	▨ ▨	▨ ▨	▨ ▨	▨ ▨	▨ ▨	rotate	upright	A So Common
U+25a8	U	U	▨ ▨	▨ ▨	▨ ▨	▨ ▨	▨ ▨	▨ ▨	rotate	upright	A So Common
U+25a9	U	U	▨ ▨	▨ ▨	▨ ▨	▨ ▨	▨ ▨	▨ ▨	rotate	upright	A So Common
U+25aa	U	U	▪ ▪	▪ ▪	▪ ▪	▪ ▪	▪ ▪	▪ ▪	rotate	upright	N So Common
U+25ab	U	U	▫ ▫	▫ ▫	▫ ▫	▫ ▫	▫ ▫	▫ ▫	rotate	upright	N So Common
U+25ac	U	U	▬▬	▬▬	▬▬	▬▬	▬▬	▬▬	rotate	upright	N So Common
U+25ad	U	U	□ □	□ □	□ □	□ □	□ □	□ □	rotate	upright	N So Common
U+25ae	U	U	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	rotate	upright	N So Common
U+25af	U	U	□ □	□ □	□ □	□ □	□ □	□ □	rotate	upright	N So Common
U+25b0	U	U	▬▬	▬▬	▬▬	▬▬	▬▬	▬▬	rotate	upright	N So Common
U+25b1	U	U	□ □	□ □	□ □	□ □	□ □	□ □	rotate	upright	N So Common
U+25b2	U	U	▲ ▲	▲ ▲	▲ ▲	▲ ▲	▲ ▲	▲ ▲	rotate	upright	A So Common
U+25b3	U	U	△ △	△ △	△ △	△ △	△ △	△ △	rotate	upright	A So Common
U+25b4	U	U	▲ ▲	▲ ▲	▲ ▲	▲ ▲	▲ ▲	▲ ▲	rotate	upright	N So Common
U+25b5	U	U	△ △	△ △	△ △	△ △	△ △	△ △	rotate	upright	N So Common
U+25b6	U	U	▶ ▶	▶ ▶	▶ ▶	▶ ▶	▶ ▶	▶ ▶	rotate	upright	A So Common
U+25b7	U	S	▷ ▷	▷ ▷	▷ ▷	▷ ▷	▷ ▷	▷ ▷	rotate	upright	A Sm Common
U+25b8	U	U	▶ ▶	▶ ▶	▶ ▶	▶ ▶	▶ ▶	▶ ▶	rotate	upright	N So Common
U+25b9	U	U	▷ ▷	▷ ▷	▷ ▷	▷ ▷	▷ ▷	▷ ▷	rotate	upright	N So Common
U+25ba	U	U	▶ ▶	▶ ▶	▶ ▶	▶ ▶	▶ ▶	▶ ▶	rotate	rotate	N So Common
U+25bb	U	U	▷ ▷	▷ ▷	▷ ▷	▷ ▷	▷ ▷	▷ ▷	rotate	rotate	N So Common
U+25bc	U	U	▼ ▼	▼ ▼	▼ ▼	▼ ▼	▼ ▼	▼ ▼	rotate	upright	A So Common
U+25bd	U	U	▽ ▽	▽ ▽	▽ ▽	▽ ▽	▽ ▽	▽ ▽	rotate	upright	A So Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho	Kozuka Mincho	Meiryo							
U+25be	U	U	▼	▼	▼	▼	▼	rotate	upright	N	So	Common
U+25bf	U	U	▽	▽	▽	▽	▽	rotate	upright	N	So	Common
U+25c0	U	U	◀	◀	◀	◀	◀	rotate	upright	A	So	Common
U+25c1	U	S	◁	◁	◁	◁	◁	rotate	upright	A	Sm	Common
U+25c2	U	U	◀	◀	◀	◀	◀	rotate	upright	N	So	Common
U+25c3	U	U	▫	▫	▫	▫	▫	rotate	upright	N	So	Common
U+25c4	U	U	◀	◀	◀	◀	◀	rotate	upright*	N	So	Common
U+25c5	U	U	▫	▫	▫	▫	▫	rotate	rotate	N	So	Common
U+25c6	U	U	◆	◆	◆	◆	◆	rotate	rotate	A	So	Common
U+25c7	U	U	◊	◊	◊	◊	◊	rotate	rotate	A	So	Common
U+25c8	U	U	❖	❖	❖	❖	❖	rotate	rotate	A	So	Common
U+25c9	U	U	●	●	●	●	●	rotate	rotate	N	So	Common
U+25ca	U	U	◊	◊	◊	◊	◊	rotate	rotate	N	So	Common
U+25cb	U	U	○	○	○	○	○	rotate	upright	A	So	Common
U+25cc	U	U	○	○	○	○	○	rotate	upright	N	So	Common
U+25cd	U	U	◐	◐	◐	◐	◐	rotate	upright	N	So	Common
U+25ce	U	U	○	○	○	○	○	rotate	upright	A	So	Common
U+25cf	U	U	●	●	●	●	●	rotate	upright	A	So	Common
U+25d0	U	U	◑	◑	◑	◑	◑	rotate	upright	A	So	Common
U+25d1	U	U	◑	◑	◑	◑	◑	rotate	upright	A	So	Common
U+25d2	U	U	◑	◑	◑	◑	◑	rotate	upright	N	So	Common
U+25d3	U	U	◑	◑	◑	◑	◑	rotate	upright	N	So	Common
U+25d4	U	U	○	○	○	○	○	rotate	upright	N	So	Common
U+25d5	U	U	●	●	●	●	●	rotate	upright	N	So	Common
U+25d6	U	U	◀	◀	◀	◀	◀	rotate	upright	N	So	Common
U+25d7	U	U	▶	▶	▶	▶	▶	rotate	upright	N	So	Common
U+25d8	U	U	▣	▣	▣	▣	▣	rotate	upright	N	So	Common
U+25d9	U	U	▣	▣	▣	▣	▣	rotate	upright	N	So	Common
U+25da	U	U	▬	▬	▬	▬	▬	rotate	upright	N	So	Common
U+25db	U	U	▬	▬	▬	▬	▬	rotate	upright	N	So	Common
U+25dc	U	U	◡	◡	◡	◡	◡	rotate	upright	N	So	Common
U+25dd	U	U	◡	◡	◡	◡	◡	rotate	upright	N	So	Common
U+25de	U	U	◡	◡	◡	◡	◡	rotate	upright	N	So	Common
U+25df	U	U	◡	◡	◡	◡	◡	rotate	upright	N	So	Common
U+25e0	U	U	○	○	○	○	○	rotate	upright	N	So	Common
U+25e1	U	U	○	○	○	○	○	rotate	upright	N	So	Common
U+25e2	U	U	◀	◀	◀	◀	◀	rotate	upright	A	So	Common
U+25e3	U	U	◀	◀	◀	◀	◀	rotate	upright	A	So	Common
U+25e4	U	U	◀	◀	◀	◀	◀	rotate	upright	A	So	Common
U+25e5	U	U	◀	◀	◀	◀	◀	rotate	upright	A	So	Common
U+25e6	U	U	○	○	○	○	○	rotate	upright	N	So	Common
U+25e7	U	U	▣	▣	▣	▣	▣	rotate	upright	N	So	Common
U+25e8	U	U	▣	▣	▣	▣	▣	rotate	upright	N	So	Common
U+25e9	U	U	▣	▣	▣	▣	▣	rotate	upright	N	So	Common
U+25ea	U	U	▣	▣	▣	▣	▣	rotate	upright	N	So	Common
U+25eb	U	U	▣	▣	▣	▣	▣	rotate	upright	N	So	Common
U+25ec	U	U	△	△	△	△	△	rotate	upright	N	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho	Kozuka Mincho		Meiryo						
U+25ed	U	U	▲	▲	▲	▲	▲	rotate	upright	N	So	Common
U+25ee	U	U	▲	▲	▲	▲	▲	rotate	upright	N	So	Common
U+25ef	U	U	○	○	○	○	○	rotate	upright	A	So	Common
U+2600	U	U	●	●	●	●	●	rotate	upright	N	So	Common
U+2601	U	U	●	●	●	●	●	rotate	upright	N	So	Common
U+2602	U	U	☂	☂	☂	☂	☂	rotate	upright	N	So	Common
U+2603	U	U	✉	✉	✉	✉	✉	rotate	upright	N	So	Common
U+2604	U	U	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2605	U	U	★	★	★	★	★	rotate	upright	A	So	Common
U+2606	U	U	☆	☆	☆	☆	☆	rotate	upright	A	So	Common
U+2607	U	U	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2608	U	U	☒	☒	☒	☒	☒	rotate	upright	N	So	Common
U+2609	U	U	○	○	○	○	○	rotate	upright	A	So	Common
U+260a	U	U	✉	✉	✉	✉	✉	rotate	upright	N	So	Common
U+260b	U	U	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+260c	U	U	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+260d	U	U	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+260e	U	U	☎	☎	☎	☎	☎	rotate	upright	A	So	Common
U+260f	U	U	☎	☎	☎	☎	☎	rotate	upright	A	So	Common
U+2610	U	U	□	□	□	□	□	rotate	upright	N	So	Common
U+2611	U	U	✓	✓	✓	✓	✓	rotate	upright	N	So	Common
U+2612	U	U	☒	☒	☒	☒	☒	rotate	upright	N	So	Common
U+2613	U	U	X	X	X	X	X	rotate	upright	N	So	Common
U+2616	U	U	□	□	□	□	□	rotate	upright	N	So	Common
U+2617	U	U	██████	██████	██████	██████	██████	rotate	upright	N	So	Common
U+261a	U	U	─	─	─	─	─	rotate	upright	N	So	Common
U+261b	U	U	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+261c	U	U	👉	👉	👉	👉	👉	rotate	upright*	A	So	Common
U+261d	U	U	👈	👈	👈	👈	👈	rotate	upright*	N	So	Common
U+261e	U	U	☞	☞	☞	☞	☞	rotate	upright*	A	So	Common
U+261f	U	U	☜	☜	☜	☜	☜	rotate	upright*	N	So	Common
U+2620	U	U	❀	❀	❀	❀	❀	rotate	upright	N	So	Common
U+2621	U	U	Ζ	Ζ	Ζ	Ζ	Ζ	rotate	upright	N	So	Common
U+2622	U	U	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2623	U	U	❀	❀	❀	❀	❀	rotate	upright	N	So	Common
U+2624	U	U	▬	▬	▬	▬	▬	rotate	upright	N	So	Common
U+2625	U	U	♀	♀	♀	♀	♀	rotate	upright	N	So	Common
U+2626	U	U	‡	‡	‡	‡	‡	rotate	upright	N	So	Common
U+2627	U	U	₽	₽	₽	₽	₽	rotate	upright	N	So	Common
U+2628	U	U	†	†	†	†	†	rotate	upright	N	So	Common
U+2629	U	U	✚	✚	✚	✚	✚	rotate	upright	N	So	Common
U+262a	U	U	€	€	€	€	€	rotate	upright	N	So	Common
U+262b	U	U	₪	₪	₪	₪	₪	rotate	upright	N	So	Common
U+262c	U	U	₪	₪	₪	₪	₪	rotate	upright	N	So	Common
U+262d	U	U	₩	₩	₩	₩	₩	rotate	upright	N	So	Common
U+262e	U	U	฿	฿	฿	฿	฿	rotate	upright	N	So	Common
U+262f	U	U	₪	₪	₪	₪	₪	rotate	upright	N	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2630	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2631	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2632	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2633	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2634	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2635	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2636	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2637	U	U	≡	≡	≡	≡	≡	≡	rotate	upright	N	So	Common
U+2638	U	U	❀	❀	❀	❀	❀	❀	rotate	upright	N	So	Common
U+2639	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+263a	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+263b	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+263c	U	U	☀	☀	☀	☀	☀	☀	rotate	upright	N	So	Common
U+263d	U	U	☽	☽	☽	☽	☽	☽	rotate	upright	N	So	Common
U+263e	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+263f	U	U	♀	♀	♀	♀	♀	♀	rotate	upright	N	So	Common
U+2640	U	U	♀	♀	♀	♀	♀	♀	rotate	upright	A	So	Common
U+2641	U	U	♂	♂	♂	♂	♂	♂	rotate	upright	N	So	Common
U+2642	U	U	♂	♂	♂	♂	♂	♂	rotate	upright	A	So	Common
U+2643	U	U	☛	☛	☛	☛	☛	☛	rotate	upright	N	So	Common
U+2644	U	U	Ћ	Ћ	Ћ	Ћ	Ћ	Ћ	rotate	upright	N	So	Common
U+2645	U	U	ყ	ყ	ყ	ყ	ყ	ყ	rotate	upright	N	So	Common
U+2646	U	U	ყ	ყ	ყ	ყ	ყ	ყ	rotate	upright	N	So	Common
U+2647	U	U	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ	Ӗ	rotate	upright	N	So	Common
U+2648	U	U	ߛ	ߛ	ߛ	ߛ	ߛ	ߛ	rotate	upright	N	So	Common
U+2649	U	U	ߛ	ߛ	ߛ	ߛ	ߛ	ߛ	rotate	upright	N	So	Common
U+264a	U	U	߱	߱	߱	߱	߱	߱	rotate	upright	N	So	Common
U+264b	U	U	߲	߲	߲	߲	߲	߲	rotate	upright	N	So	Common
U+264c	U	U	߳	߳	߳	߳	߳	߳	rotate	upright	N	So	Common
U+264d	U	U	ߴ	ߴ	ߴ	ߴ	ߴ	ߴ	rotate	upright	N	So	Common
U+264e	U	U	ߵ	ߵ	ߵ	ߵ	ߵ	ߵ	rotate	upright	N	So	Common
U+264f	U	U	߶	߶	߶	߶	߶	߶	rotate	upright	N	So	Common
U+2650	U	U	߷	߷	߷	߷	߷	߷	rotate	upright	N	So	Common
U+2651	U	U	߸	߸	߸	߸	߸	߸	rotate	upright	N	So	Common
U+2652	U	U	߹	߹	߹	߹	߹	߹	rotate	upright	N	So	Common
U+2653	U	U	ߺ	ߺ	ߺ	ߺ	ߺ	ߺ	rotate	upright	N	So	Common
U+2654	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+2655	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+2656	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+2657	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+2658	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+2659	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+265a	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+265b	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+265c	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+265d	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common
U+265e	U	U	߻	߻	߻	߻	߻	߻	rotate	upright	N	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
U+265f	U	U	❶	❶	❶	❶	❶	❶	rotate	upright	N	So	Common
U+2660	U	U	♠	♠	♠	♠	♠	♠	rotate	upright	A	So	Common
U+2661	U	U	♥	♥	♥	♥	♥	♥	rotate	upright	A	So	Common
U+2662	U	U	◊	◊	◊	◊	◊	◊	rotate	upright	N	So	Common
U+2663	U	U	♣	♣	♣	♣	♣	♣	rotate	upright	A	So	Common
U+2664	U	U	♠	♠	♠	♠	♠	♠	rotate	upright	A	So	Common
U+2665	U	U	♥	♥	♥	♥	♥	♥	rotate	upright	A	So	Common
U+2666	U	U	♦	♦	♦	♦	♦	♦	rotate	upright	N	So	Common
U+2667	U	U	♣	♣	♣	♣	♣	♣	rotate	upright	A	So	Common
U+2668	U	U	♨	♨	♨	♨	♨	♨	rotate	upright	A	So	Common
U+2669	U	U	♪	♪	♪	♪	♪	♪	rotate	upright	A	So	Common
U+266a	U	U	♪	♪	♪	♪	♪	♪	rotate	upright	A	So	Common
U+266b	U	U	♫	♫	♫	♫	♫	♫	rotate	upright	N	So	Common
U+266c	U	U	♫	♫	♫	♫	♫	♫	rotate	upright	A	So	Common
U+266d	U	U	♪	♪	♪	♪	♪	♪	rotate	upright	A	So	Common
U+266e	U	U	〽	〽	〽	〽	〽	〽	rotate	upright	N	So	Common
U+266f	U	S	#	#	#	#	#	#	rotate	upright	A	Sm	Common
U+2672	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+2673	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+2674	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+2675	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+2676	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+2677	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+2678	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+2679	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+267a	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+267b	U	U	♻	♻	♻	♻	♻	♻	rotate	upright	N	So	Common
U+267c	U	U	✳	✳	✳	✳	✳	✳	rotate	upright	N	So	Common
U+267d	U	U	♻	♻	♻	♻	♻	♻	rotate	upright	N	So	Common
U+26a0	U	U	⚠	⚠	⚠	⚠	⚠	⚠	rotate	upright	N	So	Common
U+2701	U	U	〽	〽	〽	〽	〽	〽	rotate	upright	N	So	Common
U+2702	U	U	〽	〽	〽	〽	〽	〽	rotate	upright	N	So	Common
U+2703	U	U	〽	〽	〽	〽	〽	〽	rotate	upright	N	So	Common
U+2704	U	U	〽	〽	〽	〽	〽	〽	rotate	upright	N	So	Common
U+2706	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2707	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2708	U	U	✈	✈	✈	✈	✈	✈	rotate	upright	N	So	Common
U+2709	U	U	✉	✉	✉	✉	✉	✉	rotate	upright	N	So	Common
U+270c	U	U	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	rotate	upright	N	So	Common
U+270d	U	U	✉	✉	✉	✉	✉	✉	rotate	upright	N	So	Common
U+270e	U	U	✉	✉	✉	✉	✉	✉	rotate	upright	N	So	Common
U+270f	U	U	✉	✉	✉	✉	✉	✉	rotate	upright	N	So	Common
U+2710	U	U	✉	✉	✉	✉	✉	✉	rotate	upright	N	So	Common
U+2711	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2712	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2713	U	U	✓	✓	✓	✓	✓	✓	rotate	upright	N	So	Common
U+2714	U	U	✓	✓	✓	✓	✓	✓	rotate	upright	N	So	Common

Default Orientation In Vertical Layout By Codepoint

	Hiragino Mincho				Kozuka Mincho		Meiryo						
Codepoint	U	U	U	U	U	U	U	U	rotate	upright	N	So	Common
U+2715	U	U	×	×	×	×	×	×	rotate	upright	N	So	Common
U+2716	U	U	✗	✗	✗	✗	✗	✗	rotate	upright	N	So	Common
U+2717	U	U	✗	✗	✗	✗	✗	✗	rotate	upright	N	So	Common
U+2718	U	U	✗	✗	✗	✗	✗	✗	rotate	upright	N	So	Common
U+2719	U	U	✗	✗	✗	✗	✗	✗	rotate	upright	N	So	Common
U+271a	U	U	+	+	+	+	+	+	rotate	upright	N	So	Common
U+271b	U	U	+	+	+	+	+	+	rotate	upright	N	So	Common
U+271c	U	U	❖	❖	❖	❖	❖	❖	rotate	upright	N	So	Common
U+271d	U	U	†	†	†	†	†	†	rotate	upright	N	So	Common
U+271e	U	U	†	†	†	†	†	†	rotate	upright	N	So	Common
U+271f	U	U	†	†	†	†	†	†	rotate	upright	N	So	Common
U+2720	U	U	✖	✖	✖	✖	✖	✖	rotate	upright	N	So	Common
U+2721	U	U	❖	❖	❖	❖	❖	❖	rotate	upright	N	So	Common
U+2722	U	U	✚	✚	✚	✚	✚	✚	rotate	upright	N	So	Common
U+2723	U	U	✚	✚	✚	✚	✚	✚	rotate	upright	N	So	Common
U+2724	U	U	✚	✚	✚	✚	✚	✚	rotate	upright	N	So	Common
U+2725	U	U	❖	❖	❖	❖	❖	❖	rotate	upright	N	So	Common
U+2726	U	U	◆	◆	◆	◆	◆	◆	rotate	upright	N	So	Common
U+2727	U	U	❖	❖	❖	❖	❖	❖	rotate	upright	N	So	Common
U+2729	U	U	☆	☆	☆	☆	☆	☆	rotate	upright	N	So	Common
U+272a	U	U	❖	❖	❖	❖	❖	❖	rotate	upright	N	So	Common
U+272b	U	U	☆	☆	☆	☆	☆	☆	rotate	upright	N	So	Common
U+272c	U	U	☆	☆	☆	☆	☆	☆	rotate	upright	N	So	Common
U+272d	U	U	★	★	★	★	★	★	rotate	upright	N	So	Common
U+272e	U	U	★	★	★	★	★	★	rotate	upright	N	So	Common
U+272f	U	U	★	★	★	★	★	★	rotate	upright	N	So	Common
U+2730	U	U	★	★	★	★	★	★	rotate	upright	N	So	Common
U+2731	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2732	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2733	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2734	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2735	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2736	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2737	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2738	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2739	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+273a	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+273b	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+273c	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+273d	U	U	*	*	*	*	*	*	rotate	upright	A	So	Common
U+273e	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+273f	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2740	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2741	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2742	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2743	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2744	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	
U+2745	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2746	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2747	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2748	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+2749	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+274a	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+274b	U	U	*	*	*	*	*	*	rotate	upright	N	So	Common
U+274d	U	U	○	○	○	○	○	○	rotate	upright	N	So	Common
U+274f	U	U	□	□	□	□	□	□	rotate	upright	N	So	Common
U+2750	U	U	□	□	□	□	□	□	rotate	upright	N	So	Common
U+2751	U	U	□	□	□	□	□	□	rotate	upright	N	So	Common
U+2752	U	U	□	□	□	□	□	□	rotate	upright	N	So	Common
U+2756	U	U	❖	❖	❖	❖	❖	❖	rotate	upright	N	So	Common
U+2758	U	U	|	|	|	|	|	|	rotate	upright	N	So	Common
U+2759	U	U	|	|	|	|	|	|	rotate	upright	N	So	Common
U+275a	U	U	■	■	■	■	■	■	rotate	upright	N	So	Common
U+275b	U	U	•	•	•	•	•	•	rotate	upright	N	So	Common
U+275c	U	U	•	•	•	•	•	•	rotate	upright	N	So	Common
U+275d	U	U	“	“	“	“	“	“	rotate	upright	N	So	Common
U+275e	U	U	”	”	”	”	”	”	rotate	upright	N	So	Common
U+2761	U	U	⌚	⌚	⌚	⌚	⌚	⌚	rotate	upright	N	So	Common
U+2762	U	U	⋮	⋮	⋮	⋮	⋮	⋮	rotate	upright	N	So	Common
U+2763	U	U	⋮	⋮	⋮	⋮	⋮	⋮	rotate	upright	N	So	Common
U+2764	U	U	♥	♥	♥	♥	♥	♥	rotate	upright	N	So	Common
U+2765	U	U	♦	♦	♦	♦	♦	♦	rotate	upright	N	So	Common
U+2766	U	U	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	rotate	upright	N	So	Common
U+2767	U	U	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	Ѡ	rotate	upright	N	So	Common
U+2776	U	U	❶	❶	❶	❶	❶	❶	rotate	upright	A	No	Common
U+2777	U	U	❷	❷	❷	❷	❷	❷	rotate	upright	A	No	Common
U+2778	U	U	❸	❸	❸	❸	❸	❸	rotate	upright	A	No	Common
U+2779	U	U	❹	❹	❹	❹	❹	❹	rotate	upright	A	No	Common
U+277a	U	U	❺	❺	❺	❺	❺	❺	rotate	upright	A	No	Common
U+277b	U	U	❻	❻	❻	❻	❻	❻	rotate	upright	A	No	Common
U+277c	U	U	❷	❷	❷	❷	❷	❷	rotate	upright	A	No	Common
U+277d	U	U	❸	❸	❸	❸	❸	❸	rotate	upright	A	No	Common
U+277e	U	U	❹	❹	❹	❹	❹	❹	rotate	upright	A	No	Common
U+277f	U	U	❾	❾	❾	❾	❾	❾	rotate	upright	A	No	Common
U+2780	U	U	❱	❱	❱	❱	❱	❱	rotate	upright	N	No	Common
U+2781	U	U	❲	❲	❲	❲	❲	❲	rotate	upright	N	No	Common
U+2782	U	U	❳	❳	❳	❳	❳	❳	rotate	upright	N	No	Common
U+2783	U	U	❴	❴	❴	❴	❴	❴	rotate	upright	N	No	Common
U+2784	U	U	❵	❵	❵	❵	❵	❵	rotate	upright	N	No	Common
U+2785	U	U	❶	❶	❶	❶	❶	❶	rotate	upright	N	No	Common
U+2786	U	U	❷	❷	❷	❷	❷	❷	rotate	upright	N	No	Common
U+2787	U	U	❸	❸	❸	❸	❸	❸	rotate	upright	N	No	Common
U+2788	U	U	❹	❹	❹	❹	❹	❹	rotate	upright	N	No	Common
U+2789	U	U	❾	❾	❾	❾	❾	❾	rotate	upright	N	No	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho	Kozuka Mincho	Meiryo						
Codepoint	Category	Script	Character	Character	Character	Character	Orientation	Rotation	Upright	Normal	So
U+278a	U	U	❶	❶	❶	❶	rotate	upright	N	No	Common
U+278b	U	U	❷	❷	❷	❷	rotate	upright	N	No	Common
U+278c	U	U	❸	❸	❸	❸	rotate	upright	N	No	Common
U+278d	U	U	❹	❹	❹	❹	rotate	upright	N	No	Common
U+278e	U	U	❺	❺	❺	❺	rotate	upright	N	No	Common
U+278f	U	U	❻	❻	❻	❻	rotate	upright	N	No	Common
U+2790	U	U	❻	❻	❻	❻	rotate	upright	N	No	Common
U+2791	U	U	❻	❻	❻	❻	rotate	upright	N	No	Common
U+2792	U	U	❻	❻	❻	❻	rotate	upright	N	No	Common
U+2793	U	U	❻	❻	❻	❻	rotate	upright	N	No	Common
U+2794	U	S	→	→	→	→	rotate	upright	N	So	Common
U+2798	U	S	↖	↖	↖	↖	rotate	upright	N	So	Common
U+2799	U	S	→	→	→	→	rotate	upright	N	So	Common
U+279a	U	S	↗	↗	↗	↗	rotate	upright	N	So	Common
U+279b	U	S	→	→	→	→	rotate	upright	N	So	Common
U+279c	U	S	→	→	→	→	rotate	upright	N	So	Common
U+279d	U	S	→	→	→	→	rotate	upright	N	So	Common
U+279e	U	S	→	→	→	→	rotate	upright	N	So	Common
U+279f	U	S	→	→	→	→	rotate	upright	N	So	Common
U+27a0	U	S	⇄	⇄	⇄	⇄	rotate	upright	N	So	Common
U+27a1	U	S	→	↓	→	↓	rotate	upright	N	So	Common
U+27a2	U	S	➤	➤	➤	➤	rotate	upright	N	So	Common
U+27a3	U	S	➤	➤	➤	➤	rotate	upright	N	So	Common
U+27a4	U	S	➤	➤	➤	➤	rotate	upright	N	So	Common
U+27a5	U	S	↔	↔	↔	↔	rotate	upright	N	So	Common
U+27a6	U	S	↔	↔	↔	↔	rotate	upright	N	So	Common
U+27a7	U	S	↔	↔	↔	↔	rotate	upright	N	So	Common
U+27a8	U	S	→	→	→	→	rotate	upright	N	So	Common
U+27a9	U	S	⇒	⇒	⇒	⇒	rotate	upright	N	So	Common
U+27aa	U	S	⇒	⇒	⇒	⇒	rotate	upright	N	So	Common
U+27ab	U	S	↔	↔	↔	↔	rotate	upright	N	So	Common
U+27ac	U	S	↔	↔	↔	↔	rotate	upright	N	So	Common
U+27ad	U	S	◊	◊	◊	◊	rotate	upright	N	So	Common
U+27ae	U	S	◊	◊	◊	◊	rotate	upright	N	So	Common
U+27af	U	S	□	□	□	□	rotate	upright	N	So	Common
U+27b1	U	S	□	□	□	□	rotate	upright	N	So	Common
U+27b2	U	S	○	○	○	○	rotate	upright	N	So	Common
U+27b3	U	S	⤒	⤒	⤒	⤒	rotate	upright	N	So	Common
U+27b4	U	S	⤓	⤓	⤓	⤓	rotate	upright	N	So	Common
U+27b5	U	S	⤔	⤔	⤔	⤔	rotate	upright	N	So	Common
U+27b6	U	S	⤕	⤕	⤕	⤕	rotate	upright	N	So	Common
U+27b7	U	S	⤓	⤓	⤓	⤓	rotate	upright	N	So	Common
U+27b8	U	S	⤔	⤔	⤔	⤔	rotate	upright	N	So	Common
U+27b9	U	S	⤕	⤕	⤕	⤕	rotate	upright	N	So	Common
U+27ba	U	S	⤖	⤖	⤖	⤖	rotate	upright	N	So	Common
U+27bb	U	S	⤖	⤖	⤖	⤖	rotate	upright	N	So	Common
U+27bc	U	S	⤖	⤖	⤖	⤖	rotate	upright	N	So	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo							
Codepoint	Category	Script	Character	Character	Character	Character	Character	Character	Character	Orientation	Rotation	Color		
U+27bd	U	S	►►	►►	►►	►►	►►	►►	►►	rotate	upright	N	So	Common
U+27be	U	S	⇒⇒	⇒⇒	⇒⇒	⇒⇒	⇒⇒	⇒⇒	⇒⇒	rotate	upright	N	So	Common
U+2934	U	S	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	rotate	rotate	N	Sm	Common
U+2935	U	S	↘↘	↘↘	↘↘	↘↘	↘↘	↘↘	↘↘	rotate	rotate	N	Sm	Common
U+2985	U	UF	( (	( (	( (	( (	( (	( (	( (	rotate	rotate	Na	Ps	Common
U+2986	U	UF	) )	) )	) )	) )	) )	) )	) )	rotate	rotate	Na	Pe	Common
U+29bf	U	S	◎◎	◎◎	◎◎	◎◎	◎◎	◎◎	◎◎	rotate	rotate	N	Sm	Common
U+29fa	U	S	##	##	##	##	##	##	##	rotate	rotate	N	Sm	Common
U+29fb	U	S	##	##	##	##	##	##	##	rotate	rotate	N	Sm	Common
U+2b05	U	S	←↑	←↑	←↑	←↑	←↑	←↑	←↑	rotate	rotate	N	So	Common
U+2b06	U	S	↑→	↑→	↑→	↑→	↑→	↑→	↑→	rotate	rotate	N	So	Common
U+2b07	U	S	↓←	↓←	↓←	↓←	↓←	↓←	↓←	rotate	rotate	N	So	Common
U+2e83	U	U	𠂊𠂊	𠂊𠂊	𠂊𠂊	𠂊𠂊	𠂊𠂊	𠂊𠂊	𠂊𠂊	upright	rotate	W	So	Han
U+2e85	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2e87	U	U	𠂅𠂅	𠂅𠂅	𠂅𠂅	𠂅𠂅	𠂅𠂅	𠂅𠂅	𠂅𠂅	upright	rotate	W	So	Han
U+2e89	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2e8b	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2e8c	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2e8d	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2e8e	U	U	兀兀	兀兀	兀兀	兀兀	兀兀	兀兀	兀兀	upright	rotate	W	So	Han
U+2e8f	U	U	允允	允允	允允	允允	允允	允允	允允	upright	rotate	W	So	Han
U+2e90	U	U	尤尤	尤尤	尤尤	尤尤	尤尤	尤尤	尤尤	upright	rotate	W	So	Han
U+2e92	U	U	巳巳	巳巳	巳巳	巳巳	巳巳	巳巳	巳巳	upright	rotate	W	So	Han
U+2e93	U	U	亥亥	亥亥	亥亥	亥亥	亥亥	亥亥	亥亥	upright	rotate	W	So	Han
U+2e94	U	U	互互	互互	互互	互互	互互	互互	互互	upright	rotate	W	So	Han
U+2e95	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2e96	U	U	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	upright	rotate	W	So	Han
U+2e97	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2e98	U	U	𡇁𡇁	𡇁𡇁	𡇁𡇁	𡇁𡇁	𡇁𡇁	𡇁𡇁	𡇁𡇁	upright	rotate	W	So	Han
U+2e99	U	U	𡇁𡇁	𡇁𡇁	𡇁𡇁	𡇁𡇁	𡇁𡇁	𡇁𡇁	𡇁𡇁	upright	rotate	W	So	Han
U+2e9b	U	U	死死	死死	死死	死死	死死	死死	死死	upright	rotate	W	So	Han
U+2e9e	U	U	步步	步步	步步	步步	步步	步步	步步	upright	rotate	W	So	Han
U+2e9f	U	U	母母	母母	母母	母母	母母	母母	母母	upright	rotate	W	So	Han
U+2ea0	U	U	民民	民民	民民	民民	民民	民民	民民	upright	rotate	W	So	Han
U+2ea1	U	U	氵氵	氵氵	氵氵	氵氵	氵氵	氵氵	氵氵	upright	rotate	W	So	Han
U+2ea2	U	U	氷氷	氷氷	氷氷	氷氷	氷氷	氷氷	氷氷	upright	rotate	W	So	Han
U+2ea3	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2ea4	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2ea6	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2ea8	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2ea9	U	U	王王	王王	王王	王王	王王	王王	王王	upright	rotate	W	So	Han
U+2eaa	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2eab	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2eac	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2ead	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2eae	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han
U+2eb1	U	U	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	𠂔𠂔	upright	rotate	W	So	Han

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2eb2	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2eb3	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2eb7	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2eb9	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2ebc	U	U	月	月	月	月	月	月	upright	rotate	W	So	Han
U+2ebd	U	U	臼	臼	臼	臼	臼	臼	upright	rotate	W	So	Han
U+2ebe	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2ebf	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2ec0	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2ec1	U	U	虎	虎	虎	虎	虎	虎	upright	rotate	W	So	Han
U+2ec2	U	U	彳	彳	彳	彳	彳	彳	upright	rotate	W	So	Han
U+2ec3	U	U	西	西	西	西	西	西	upright	rotate	W	So	Han
U+2ec4	U	U	西	西	西	西	西	西	upright	rotate	W	So	Han
U+2ec6	U	U	角	角	角	角	角	角	upright	rotate	W	So	Han
U+2eca	U	U	跔	跔	跔	跔	跔	跔	upright	rotate	W	So	Han
U+2ecc	U	U	辵	辵	辵	辵	辵	辵	upright	rotate	W	So	Han
U+2ecd	U	U	辵	辵	辵	辵	辵	辵	upright	rotate	W	So	Han
U+2ecf	U	U	阝	阝	阝	阝	阝	阝	upright	rotate	W	So	Han
U+2ed1	U	U	長	長	長	長	長	長	upright	rotate	W	So	Han
U+2ed2	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2ed6	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2ed7	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2ed8	U	U	青	青	青	青	青	青	upright	rotate	W	So	Han
U+2edd	U	U	食	食	食	食	食	食	upright	rotate	W	So	Han
U+2ede	U	U	飣	飣	飣	飣	飣	飣	upright	rotate	W	So	Han
U+2edf	U	U	食	食	食	食	食	食	upright	rotate	W	So	Han
U+2ee4	U	U	鬼	鬼	鬼	鬼	鬼	鬼	upright	rotate	W	So	Han
U+2ee8	U	U	麦	麦	麦	麦	麦	麦	upright	rotate	W	So	Han
U+2ee9	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2eeb	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2eed	U	U	齒	齒	齒	齒	齒	齒	upright	rotate	W	So	Han
U+2eef	U	U	竜	竜	竜	竜	竜	竜	upright	rotate	W	So	Han
U+2ef2	U	U	亀	亀	亀	亀	亀	亀	upright	rotate	W	So	Han
U+2f00	U	U	一	一	一	一	一	一	upright	rotate	W	So	Han
U+2f01	U	U	丨	丨	丨	丨	丨	丨	upright	rotate	W	So	Han
U+2f02	U	U	丶	丶	丶	丶	丶	丶	upright	rotate	W	So	Han
U+2f03	U	U	ノ	ノ	ノ	ノ	ノ	ノ	upright	rotate	W	So	Han
U+2f04	U	U	乙	乙	乙	乙	乙	乙	upright	rotate	W	So	Han
U+2f05	U	U	丂	丂	丂	丂	丂	丂	upright	rotate	W	So	Han
U+2f06	U	U	二	二	二	二	二	二	upright	rotate	W	So	Han
U+2f07	U	U	士	士	士	士	士	士	upright	rotate	W	So	Han
U+2f08	U	U	人	人	人	人	人	人	upright	rotate	W	So	Han
U+2f09	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2f0a	U	U	入	入	入	入	入	入	upright	rotate	W	So	Han
U+2f0b	U	U	八	八	八	八	八	八	upright	rotate	W	So	Han
U+2f0c	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han
U+2f0d	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	So	Han

Default Orientation In Vertical Layout By Codepoint

	Hiragino Mincho				Kozuka Mincho				Meiryo			
	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f0e	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f0f	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f10	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f11	U	U	刀	刀	刀	刀	刀	刀	刀	刀	刀	刀
U+2f12	U	U	力	力	力	力	力	力	力	力	力	力
U+2f13	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f14	U	U	匕	匕	匕	匕	匕	匕	匕	匕	匕	匕
U+2f15	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f16	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f17	U	U	十	十	十	十	十	十	十	十	十	十
U+2f18	U	U	ト	ト	ト	ト	ト	ト	ト	ト	ト	ト
U+2f19	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f1a	U	U	厂	厂	厂	厂	厂	厂	厂	厂	厂	厂
U+2f1b	U	U	厶	厶	厶	厶	厶	厶	厶	厶	厶	厶
U+2f1c	U	U	又	又	又	又	又	又	又	又	又	又
U+2f1d	U	U	口	口	口	口	口	口	口	口	口	口
U+2f1e	U	U	口	口	口	口	口	口	口	口	口	口
U+2f1f	U	U	土	土	土	土	土	土	土	土	土	土
U+2f20	U	U	士	士	士	士	士	士	士	士	士	士
U+2f21	U	U	夊	夊	夊	夊	夊	夊	夊	夊	夊	夊
U+2f22	U	U	夊	夊	夊	夊	夊	夊	夊	夊	夊	夊
U+2f23	U	U	夕	夕	夕	夕	夕	夕	夕	夕	夕	夕
U+2f24	U	U	大	大	大	大	大	大	大	大	大	大
U+2f25	U	U	女	女	女	女	女	女	女	女	女	女
U+2f26	U	U	子	子	子	子	子	子	子	子	子	子
U+2f27	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f28	U	U	寸	寸	寸	寸	寸	寸	寸	寸	寸	寸
U+2f29	U	U	小	小	小	小	小	小	小	小	小	小
U+2f2a	U	U	尢	尢	尢	尢	尢	尢	尢	尢	尢	尢
U+2f2b	U	U	尸	尸	尸	尸	尸	尸	尸	尸	尸	尸
U+2f2c	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f2d	U	U	山	山	山	山	山	山	山	山	山	山
U+2f2e	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f2f	U	U	工	工	工	工	工	工	工	工	工	工
U+2f30	U	U	己	己	己	己	己	己	己	己	己	己
U+2f31	U	U	巾	巾	巾	巾	巾	巾	巾	巾	巾	巾
U+2f32	U	U	干	干	干	干	干	干	干	干	干	干
U+2f33	U	U	亥	亥	亥	亥	亥	亥	亥	亥	亥	亥
U+2f34	U	U	广	广	广	广	广	广	广	广	广	广
U+2f35	U	U	爻	爻	爻	爻	爻	爻	爻	爻	爻	爻
U+2f36	U	U	升	升	升	升	升	升	升	升	升	升
U+2f37	U	U	弋	弋	弋	弋	弋	弋	弋	弋	弋	弋
U+2f38	U	U	弓	弓	弓	弓	弓	弓	弓	弓	弓	弓
U+2f39	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f3a	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f3b	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊
U+2f3c	U	U	心	心	心	心	心	心	心	心	心	心

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
	U	U	戈	戈	戈	戈	戈	戈	upright	rotate	W	So	Han
U+2f3d	U	U	戸	戸	戸	戸	戸	戸	upright	rotate	W	So	Han
U+2f3e	U	U	手	手	手	手	手	手	upright	rotate	W	So	Han
U+2f3f	U	U	支	支	支	支	支	支	upright	rotate	W	So	Han
U+2f40	U	U	文	文	文	文	文	文	upright	rotate	W	So	Han
U+2f41	U	U	斗	斗	斗	斗	斗	斗	upright	rotate	W	So	Han
U+2f42	U	U	斤	斤	斤	斤	斤	斤	upright	rotate	W	So	Han
U+2f43	U	U	方	方	方	方	方	方	upright	rotate	W	So	Han
U+2f44	U	U	无	无	无	无	无	无	upright	rotate	W	So	Han
U+2f45	U	U	日	日	日	日	日	日	upright	rotate	W	So	Han
U+2f46	U	U	月	月	月	月	月	月	upright	rotate	W	So	Han
U+2f47	U	U	木	木	木	木	木	木	upright	rotate	W	So	Han
U+2f48	U	U	欠	欠	欠	欠	欠	欠	upright	rotate	W	So	Han
U+2f49	U	U	止	止	止	止	止	止	upright	rotate	W	So	Han
U+2f4d	U	U	歹	歹	歹	歹	歹	歹	upright	rotate	W	So	Han
U+2f4e	U	U	殳	殳	殳	殳	殳	殳	upright	rotate	W	So	Han
U+2f4f	U	U	母	母	母	母	母	母	upright	rotate	W	So	Han
U+2f50	U	U	比	比	比	比	比	比	upright	rotate	W	So	Han
U+2f51	U	U	毛	毛	毛	毛	毛	毛	upright	rotate	W	So	Han
U+2f52	U	U	氏	氏	氏	氏	氏	氏	upright	rotate	W	So	Han
U+2f53	U	U	气	气	气	气	气	气	upright	rotate	W	So	Han
U+2f54	U	U	水	水	水	水	水	水	upright	rotate	W	So	Han
U+2f55	U	U	火	火	火	火	火	火	upright	rotate	W	So	Han
U+2f56	U	U	爪	爪	爪	爪	爪	爪	upright	rotate	W	So	Han
U+2f57	U	U	父	父	父	父	父	父	upright	rotate	W	So	Han
U+2f58	U	U	爻	爻	爻	爻	爻	爻	upright	rotate	W	So	Han
U+2f59	U	U	爿	爿	爿	爿	爿	爿	upright	rotate	W	So	Han
U+2f5a	U	U	片	片	片	片	片	片	upright	rotate	W	So	Han
U+2f5b	U	U	牙	牙	牙	牙	牙	牙	upright	rotate	W	So	Han
U+2f5c	U	U	牛	牛	牛	牛	牛	牛	upright	rotate	W	So	Han
U+2f5d	U	U	犬	犬	犬	犬	犬	犬	upright	rotate	W	So	Han
U+2f5e	U	U	玄	玄	玄	玄	玄	玄	upright	rotate	W	So	Han
U+2f5f	U	U	玉	玉	玉	玉	玉	玉	upright	rotate	W	So	Han
U+2f60	U	U	瓜	瓜	瓜	瓜	瓜	瓜	upright	rotate	W	So	Han
U+2f61	U	U	瓦	瓦	瓦	瓦	瓦	瓦	upright	rotate	W	So	Han
U+2f62	U	U	甘	甘	甘	甘	甘	甘	upright	rotate	W	So	Han
U+2f63	U	U	生	生	生	生	生	生	upright	rotate	W	So	Han
U+2f64	U	U	用	用	用	用	用	用	upright	rotate	W	So	Han
U+2f65	U	U	田	田	田	田	田	田	upright	rotate	W	So	Han
U+2f66	U	U	疋	疋	疋	疋	疋	疋	upright	rotate	W	So	Han
U+2f67	U	U	𤤵	𤤵	𤤵	𤤵	𤤵	𤤵	upright	rotate	W	So	Han
U+2f68	U	U	𠂇	𠂇	𠂇	𠂇	𠂇	𠂇	upright	rotate	W	So	Han
U+2f69	U	U	白	白	白	白	白	白	upright	rotate	W	So	Han
U+2f6a	U	U	皮	皮	皮	皮	皮	皮	upright	rotate	W	So	Han
U+2f6b	U	U	皿	皿	皿	皿	皿	皿	upright	rotate	W	So	Han

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Font	Character	Font	Character	Font	Character	Font	Character	Orientation	Script	Region		
U+2f6c	U	U	目	目	目	目	目	目	upright	rotate	W	So	Han
U+2f6d	U	U	矛	矛	矛	矛	矛	矛	upright	rotate	W	So	Han
U+2f6e	U	U	矢	矢	矢	矢	矢	矢	upright	rotate	W	So	Han
U+2f6f	U	U	石	石	石	石	石	石	upright	rotate	W	So	Han
U+2f70	U	U	示	示	示	示	示	示	upright	rotate	W	So	Han
U+2f71	U	U	内	内	内	内	内	内	upright	rotate	W	So	Han
U+2f72	U	U	禾	禾	禾	禾	禾	禾	upright	rotate	W	So	Han
U+2f73	U	U	穴	穴	穴	穴	穴	穴	upright	rotate	W	So	Han
U+2f74	U	U	立	立	立	立	立	立	upright	rotate	W	So	Han
U+2f75	U	U	竹	竹	竹	竹	竹	竹	upright	rotate	W	So	Han
U+2f76	U	U	米	米	米	米	米	米	upright	rotate	W	So	Han
U+2f77	U	U	糸	糸	糸	糸	糸	糸	upright	rotate	W	So	Han
U+2f78	U	U	缶	缶	缶	缶	缶	缶	upright	rotate	W	So	Han
U+2f79	U	U	网	网	网	网	网	网	upright	rotate	W	So	Han
U+2f7a	U	U	羊	羊	羊	羊	羊	羊	upright	rotate	W	So	Han
U+2f7b	U	U	羽	羽	羽	羽	羽	羽	upright	rotate	W	So	Han
U+2f7c	U	U	老	老	老	老	老	老	upright	rotate	W	So	Han
U+2f7d	U	U	而	而	而	而	而	而	upright	rotate	W	So	Han
U+2f7e	U	U	未	未	未	未	未	未	upright	rotate	W	So	Han
U+2f7f	U	U	耳	耳	耳	耳	耳	耳	upright	rotate	W	So	Han
U+2f80	U	U	聿	聿	聿	聿	聿	聿	upright	rotate	W	So	Han
U+2f81	U	U	肉	肉	肉	肉	肉	肉	upright	rotate	W	So	Han
U+2f82	U	U	臣	臣	臣	臣	臣	臣	upright	rotate	W	So	Han
U+2f83	U	U	自	自	自	自	自	自	upright	rotate	W	So	Han
U+2f84	U	U	至	至	至	至	至	至	upright	rotate	W	So	Han
U+2f85	U	U	臼	臼	臼	臼	臼	臼	upright	rotate	W	So	Han
U+2f86	U	U	舌	舌	舌	舌	舌	舌	upright	rotate	W	So	Han
U+2f87	U	U	舛	舛	舛	舛	舛	舛	upright	rotate	W	So	Han
U+2f88	U	U	舟	舟	舟	舟	舟	舟	upright	rotate	W	So	Han
U+2f89	U	U	艮	艮	艮	艮	艮	艮	upright	rotate	W	So	Han
U+2f8a	U	U	色	色	色	色	色	色	upright	rotate	W	So	Han
U+2f8b	U	U	艸	艸	艸	艸	艸	艸	upright	rotate	W	So	Han
U+2f8c	U	U	虍	虍	虍	虍	虍	虍	upright	rotate	W	So	Han
U+2f8d	U	U	虫	虫	虫	虫	虫	虫	upright	rotate	W	So	Han
U+2f8e	U	U	血	血	血	血	血	血	upright	rotate	W	So	Han
U+2f8f	U	U	行	行	行	行	行	行	upright	rotate	W	So	Han
U+2f90	U	U	衣	衣	衣	衣	衣	衣	upright	rotate	W	So	Han
U+2f91	U	U	丂	丂	丂	丂	丂	丂	upright	rotate	W	So	Han
U+2f92	U	U	見	見	見	見	見	見	upright	rotate	W	So	Han
U+2f93	U	U	角	角	角	角	角	角	upright	rotate	W	So	Han
U+2f94	U	U	言	言	言	言	言	言	upright	rotate	W	So	Han
U+2f95	U	U	谷	谷	谷	谷	谷	谷	upright	rotate	W	So	Han
U+2f96	U	U	豆	豆	豆	豆	豆	豆	upright	rotate	W	So	Han
U+2f97	U	U	豕	豕	豕	豕	豕	豕	upright	rotate	W	So	Han
U+2f98	U	U	豸	豸	豸	豸	豸	豸	upright	rotate	W	So	Han
U+2f99	U	U	貝	貝	貝	貝	貝	貝	upright	rotate	W	So	Han
U+2f9a	U	U	赤	赤	赤	赤	赤	赤	upright	rotate	W	So	Han

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
	U	U	走	走	走	走	走	走	upright	rotate	W	So	Han
U+2f9b	U	U	足	足	足	足	足	足	upright	rotate	W	So	Han
U+2f9c	U	U	身	身	身	身	身	身	upright	rotate	W	So	Han
U+2f9d	U	U	車	車	車	車	車	車	upright	rotate	W	So	Han
U+2f9e	U	U	辛	辛	辛	辛	辛	辛	upright	rotate	W	So	Han
U+2f9f	U	U	辰	辰	辰	辰	辰	辰	upright	rotate	W	So	Han
U+2fa0	U	U	走	走	走	走	走	走	upright	rotate	W	So	Han
U+2fa1	U	U	邑	邑	邑	邑	邑	邑	upright	rotate	W	So	Han
U+2fa2	U	U	酉	酉	酉	酉	酉	酉	upright	rotate	W	So	Han
U+2fa3	U	U	采	采	采	采	采	采	upright	rotate	W	So	Han
U+2fa4	U	U	里	里	里	里	里	里	upright	rotate	W	So	Han
U+2fa5	U	U	金	金	金	金	金	金	upright	rotate	W	So	Han
U+2fa6	U	U	長	長	長	長	長	長	upright	rotate	W	So	Han
U+2fa7	U	U	門	門	門	門	門	門	upright	rotate	W	So	Han
U+2fa8	U	U	阜	阜	阜	阜	阜	阜	upright	rotate	W	So	Han
U+2fa9	U	U	𠂇	𠂇	𠂇	𠂇	𠂇	𠂇	upright	rotate	W	So	Han
U+2faa	U	U	隹	隹	隹	隹	隹	隹	upright	rotate	W	So	Han
U+2fab	U	U	雨	雨	雨	雨	雨	雨	upright	rotate	W	So	Han
U+2fac	U	U	青	青	青	青	青	青	upright	rotate	W	So	Han
U+2fad	U	U	非	非	非	非	非	非	upright	rotate	W	So	Han
U+2fae	U	U	面	面	面	面	面	面	upright	rotate	W	So	Han
U+2faf	U	U	革	革	革	革	革	革	upright	rotate	W	So	Han
U+2fb0	U	U	韋	韋	韋	韋	韋	韋	upright	rotate	W	So	Han
U+2fb1	U	U	韭	韭	韭	韭	韭	韭	upright	rotate	W	So	Han
U+2fb2	U	U	音	音	音	音	音	音	upright	rotate	W	So	Han
U+2fb3	U	U	貞	貞	貞	貞	貞	貞	upright	rotate	W	So	Han
U+2fb4	U	U	風	風	風	風	風	風	upright	rotate	W	So	Han
U+2fb5	U	U	飛	飛	飛	飛	飛	飛	upright	rotate	W	So	Han
U+2fb6	U	U	食	食	食	食	食	食	upright	rotate	W	So	Han
U+2fb7	U	U	首	首	首	首	首	首	upright	rotate	W	So	Han
U+2fb8	U	U	香	香	香	香	香	香	upright	rotate	W	So	Han
U+2fb9	U	U	馬	馬	馬	馬	馬	馬	upright	rotate	W	So	Han
U+2fba	U	U	骨	骨	骨	骨	骨	骨	upright	rotate	W	So	Han
U+2fbb	U	U	高	高	高	高	高	高	upright	rotate	W	So	Han
U+2fbc	U	U	彫	彫	彫	彫	彫	彫	upright	rotate	W	So	Han
U+2fbd	U	U	門	門	門	門	門	門	upright	rotate	W	So	Han
U+2fbe	U	U	鬯	鬯	鬯	鬯	鬯	鬯	upright	rotate	W	So	Han
U+2fbf	U	U	鬲	鬲	鬲	鬲	鬲	鬲	upright	rotate	W	So	Han
U+2fc0	U	U	鬼	鬼	鬼	鬼	鬼	鬼	upright	rotate	W	So	Han
U+2fc1	U	U	魚	魚	魚	魚	魚	魚	upright	rotate	W	So	Han
U+2fc2	U	U	鳥	鳥	鳥	鳥	鳥	鳥	upright	rotate	W	So	Han
U+2fc3	U	U	鹵	鹵	鹵	鹵	鹵	鹵	upright	rotate	W	So	Han
U+2fc4	U	U	鹿	鹿	鹿	鹿	鹿	鹿	upright	rotate	W	So	Han
U+2fc5	U	U	麥	麥	麥	麥	麥	麥	upright	rotate	W	So	Han
U+2fc6	U	U	麻	麻	麻	麻	麻	麻	upright	rotate	W	So	Han
U+2fc7	U	U	黃	黃	黃	黃	黃	黃	upright	rotate	W	So	Han
U+2fc8	U	U	黍	黍	黍	黍	黍	黍	upright	rotate	W	So	Han
U+2fc9	U	U	𠂇	𠂇	𠂇	𠂇	𠂇	𠂇	upright	rotate	W	So	Han

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
	U	U	黒	黒	黒	黒	黒	黒	upright	rotate	W	So	Han
U+2fca	U	U	黒	黒	黒	黒	黒	黒	upright	rotate	W	So	Han
U+2fcb	U	U	黹	黹	黹	黹	.apiUrl	.apiUrl	upright	rotate	W	So	Han
U+2fcc	U	U	鼴	鼴	鼴	鼴	鼴	鼴	upright	rotate	W	So	Han
U+2fdc	U	U	鼎	鼎	鼎	鼎	鼎	鼎	upright	rotate	W	So	Han
U+2fce	U	U	鼓	鼓	鼓	鼓	鼓	鼓	upright	rotate	W	So	Han
U+2fcf	U	U	鼠	鼠	鼠	鼠	鼠	鼠	upright	rotate	W	So	Han
U+2fd0	U	U	鼻	鼻	鼻	鼻	鼻	鼻	upright	rotate	W	So	Han
U+2fd1	U	U	齊	齊	齊	齊	齊	齊	upright	rotate	W	So	Han
U+2fd2	U	U	齒	齒	齒	齒	齒	齒	upright	rotate	W	So	Han
U+2fd3	U	U	龍	龍	龍	龍	龍	龍	upright	rotate	W	So	Han
U+2fd4	U	U	龜	龜	龜	龜	龜	龜	upright	rotate	W	So	Han
U+2fd5	U	U	龠	龠	龠	龠	龠	龠	upright	rotate	W	So	Han
U+3000	U	UF							rotate	rotate	F	Zs	Common
U+3001	U	U	、	、	、	、	、	、	upright*	rotate	W	Po	Common
U+3002	U	U	。	。	。	。	。	。	upright*	rotate	W	Po	Common
U+3003	U	U	〃	〃	〃	〃	〃	〃	upright	rotate	W	Po	Common
U+3004	U	U	⌚	⌚	⌚	⌚	⌚	⌚	upright	rotate	W	So	Common
U+3005	U	U	々	々	々	々	々	々	upright	rotate	W	Lm	Han
U+3006	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	Lo	Common
U+3007	U	U	○	○	○	○	○	○	upright	rotate	W	Nl	Han
U+3008	U	UF	〈	︿	〈	︿	〈	︿	rotate	rotate	W	Ps	Common
U+3009	U	UF	〉	﹀	〉	﹀	〉	﹀	rotate	rotate	W	Pe	Common
U+300a	U	UF	《	︿	《	︿	《	︿	rotate	rotate	W	Ps	Common
U+300b	U	UF	》	﹀	》	﹀	》	﹀	rotate	rotate	W	Pe	Common
U+300c	U	UF	「	﹂	「	﹂	「	﹂	rotate	rotate	W	Ps	Common
U+300d	U	UF	」	﹂	」	﹂	」	﹂	rotate	rotate	W	Pe	Common
U+300e	U	UF	『	﹂	『	﹂	『	﹂	upright*	upright*	W	Ps	Common
U+300f	U	UF	』	﹂	』	﹂	』	﹂	upright*	upright*	W	Pe	Common
U+3010	U	UF	【	﹂	【	﹂	【	﹂	upright*	upright*	W	Ps	Common
U+3011	U	UF	】	﹂	】	﹂	】	﹂	upright*	upright*	W	Pe	Common
U+3012	U	U	〒	〒	〒	〒	〒	〒	upright*	upright*	W	So	Common
U+3013	U	U	〓	〓	〓	〓	〓	〓	upright*	upright*	W	So	Common
U+3014	U	UF	[	﹂	[	﹂	[	﹂	upright*	upright*	W	Ps	Common
U+3015	U	UF	]	﹂	]	﹂	]	﹂	upright*	upright*	W	Pe	Common
U+3016	U	UF	〔	﹂	〔	﹂	〔	﹂	upright*	upright*	W	Ps	Common
U+3017	U	UF	〕	﹂	〕	﹂	〕	﹂	upright*	upright*	W	Pe	Common
U+3018	U	UF	〔	﹂	〔	﹂	〔	﹂	upright*	upright*	W	Ps	Common
U+3019	U	UF	〕	﹂	〕	﹂	〕	﹂	upright*	upright*	W	Pe	Common
U+301a	U	UF	〔	﹂	〔	﹂	〔	﹂	upright*	upright*	W	Ps	Common
U+301b	U	UF	〕	﹂	〕	﹂	〕	﹂	upright*	upright*	W	Pe	Common
U+301c	U	UF	~	ſ	~	ſ	~	ſ	upright*	upright*	W	Pd	Common
U+301d	U	UF	“	”	“	”	“	”	upright*	rotate	W	Ps	Common
U+301e	U	UF	”	”	”	”	”	”	upright*	rotate	W	Pe	Common
U+301f	U	UF	“	”	“	”	“	”	upright*	rotate	W	Pe	Common
U+3020	U	U	₩	₩	₩	₩	₩	₩	upright	rotate	W	So	Common
U+3030	U	UF	₩₩	₩₩	₩₩	₩₩	₩₩	₩₩	upright	rotate	W	Pd	Common
U+3031	U	U	⟨	⟨	⟨	⟨	⟨	⟨	upright	rotate	W	Lm	Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo					
Codepoint	Char	Char	Char	Char	Char	Char	Char	Char	Orientation	Orientation	Script	Category
U+3032	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	rotate	W	Lm Common
U+3033	U	U	𠂉	𠂉	𠂉	𠂉	𠂉	𠂉	upright	rotate	W	Lm Common
U+3034	U	U	𠂈	𠂈	𠂈	𠂈	𠂈	𠂈	upright	rotate	W	Lm Common
U+3035	U	U	𠂉	𠂉	𠂉	𠂉	𠂉	𠂉	upright	rotate	W	Lm Common
U+3036	U	U	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	upright	rotate	W	So Common
U+3037	U	U	𠂔	𠂔	𠂔	𠂔	𠂔	𠂔	upright	rotate	W	So Common
U+303b	U	U	𠂎	𠂎	𠂎	𠂎	𠂎	𠂎	upright	rotate	W	Lm Han
U+303c	U	U	𠂏	𠂏	𠂏	𠂏	𠂏	𠂏	upright	rotate	W	Lo Common
U+303d	U	U	𠂐	𠂐	𠂐	𠂐	𠂐	𠂐	upright	rotate	W	Po Common
U+3041	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3042	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3043	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3044	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3045	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3046	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3047	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3048	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3049	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+304a	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+304b	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+304c	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+304d	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+304e	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+304f	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3050	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3051	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3052	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	rotate	W	Lo Hiragana
U+3053	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3054	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3055	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3056	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3057	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3058	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3059	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+305a	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+305b	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+305c	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+305d	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+305e	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+305f	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3060	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3061	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3062	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3063	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3064	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3065	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana
U+3066	U	U	𠂑	𠂑	𠂑	𠂑	𠂑	𠂑	upright	upright	W	Lo Hiragana

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
	U	U	で	で	で	で	で	で	upright	upright	W	Lo	Hiragana
U+3067	U	U	で	で	で	で	で	で	upright	upright	W	Lo	Hiragana
U+3068	U	U	と	と	と	と	と	と	upright	upright	W	Lo	Hiragana
U+3069	U	U	ど	ど	ど	ど	ど	ど	upright	upright	W	Lo	Hiragana
U+306a	U	U	な	な	な	な	な	な	upright	upright	W	Lo	Hiragana
U+306b	U	U	に	に	に	に	に	に	upright	upright	W	Lo	Hiragana
U+306c	U	U	ぬ	ぬ	ぬ	ぬ	ぬ	ぬ	upright	upright	W	Lo	Hiragana
U+306d	U	U	ね	ね	ね	ね	ね	ね	upright	upright	W	Lo	Hiragana
U+306e	U	U	の	の	の	の	の	の	upright	upright	W	Lo	Hiragana
U+306f	U	U	は	は	は	は	は	は	upright	upright	W	Lo	Hiragana
U+3070	U	U	ば	ば	ば	ば	ば	ば	upright	upright	W	Lo	Hiragana
U+3071	U	U	ぱ	ぱ	ぱ	ぱ	ぱ	ぱ	upright	upright	W	Lo	Hiragana
U+3072	U	U	ひ	ひ	ひ	ひ	ひ	ひ	upright	upright	W	Lo	Hiragana
U+3073	U	U	び	び	び	び	び	び	upright	upright	W	Lo	Hiragana
U+3074	U	U	ぴ	ぴ	ぴ	ぴ	ぴ	ぴ	upright	upright	W	Lo	Hiragana
U+3075	U	U	ふ	ふ	ふ	ふ	ふ	ふ	upright	upright	W	Lo	Hiragana
U+3076	U	U	ぶ	ぶ	ぶ	ぶ	ぶ	ぶ	upright	upright	W	Lo	Hiragana
U+3077	U	U	ぶ	ぶ	ぶ	ぶ	ぶ	ぶ	upright	upright	W	Lo	Hiragana
U+3078	U	U	へ	へ	へ	へ	へ	へ	upright	upright	W	Lo	Hiragana
U+3079	U	U	べ	べ	べ	べ	べ	べ	upright	upright	W	Lo	Hiragana
U+307a	U	U	ペ	ペ	ペ	ペ	ペ	ペ	upright	upright	W	Lo	Hiragana
U+307b	U	U	ほ	ほ	ほ	ほ	ほ	ほ	upright	upright	W	Lo	Hiragana
U+307c	U	U	ぼ	ぼ	ぼ	ぼ	ぼ	ぼ	upright	upright	W	Lo	Hiragana
U+307d	U	U	ぼ	ぼ	ぼ	ぼ	ぼ	ぼ	upright	upright	W	Lo	Hiragana
U+307e	U	U	ま	ま	ま	ま	ま	ま	upright	upright	W	Lo	Hiragana
U+307f	U	U	み	み	み	み	み	み	upright	upright	W	Lo	Hiragana
U+3080	U	U	む	む	む	む	む	む	upright	upright	W	Lo	Hiragana
U+3081	U	U	め	め	め	め	め	め	upright	upright	W	Lo	Hiragana
U+3082	U	U	も	も	も	も	も	も	upright	upright	W	Lo	Hiragana
U+3083	U	U	や	や	や	や	や	や	upright	upright	W	Lo	Hiragana
U+3084	U	U	や	や	や	や	や	や	upright	upright	W	Lo	Hiragana
U+3085	U	U	ゅ	ゅ	ゅ	ゅ	ゅ	ゅ	upright	upright	W	Lo	Hiragana
U+3086	U	U	ゅ	ゅ	ゅ	ゅ	ゅ	ゅ	upright	upright	W	Lo	Hiragana
U+3087	U	U	ょ	ょ	ょ	ょ	ょ	ょ	upright	upright	W	Lo	Hiragana
U+3088	U	U	よ	よ	よ	よ	よ	よ	upright	upright	W	Lo	Hiragana
U+3089	U	U	ら	ら	ら	ら	ら	ら	upright	upright	W	Lo	Hiragana
U+308a	U	U	り	り	り	り	り	り	upright	upright	W	Lo	Hiragana
U+308b	U	U	る	る	る	る	る	る	upright	upright	W	Lo	Hiragana
U+308c	U	U	れ	れ	れ	れ	れ	れ	upright	upright	W	Lo	Hiragana
U+308d	U	U	ろ	ろ	ろ	ろ	ろ	ろ	upright	upright	W	Lo	Hiragana
U+308e	U	U	わ	わ	わ	わ	わ	わ	upright	upright	W	Lo	Hiragana
U+308f	U	U	わ	わ	わ	わ	わ	わ	upright	upright	W	Lo	Hiragana
U+3090	U	U	み	み	み	み	み	み	upright	upright	W	Lo	Hiragana
U+3091	U	U	ゑ	ゑ	ゑ	ゑ	ゑ	ゑ	upright	upright	W	Lo	Hiragana
U+3092	U	U	を	を	を	を	を	を	upright	upright	W	Lo	Hiragana
U+3093	U	U	ん	ん	ん	ん	ん	ん	upright	upright	W	Lo	Hiragana
U+3094	U	U	う	う	う	う	う	う	upright	upright	W	Lo	Hiragana
U+3095	U	U	か	か	か	か	か	か	upright	upright	W	Lo	Hiragana

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Category	Script	Character	Character	Character	Character	Character	Character	Orientation	Orientation	Width	Location	Script
U+3096	U	U	け	け	け	け	け	け	upright	upright	W	Lo	Hiragana
U+3099	CM	U	ゝ	ゝ	ゝ	ゝ	ゝ	ゝ	upright	upright	W	Mn	Inherited
U+309a	CM	U	◦	◦	◦	◦	◦	◦	upright*	upright	W	Mn	Inherited
U+309b	U	U	՞	՞	՞	՞	՞	՞	upright*	upright	W	Sk	Common
U+309c	U	U	՞	՞	՞	՞	՞	՞	upright*	upright	W	Sk	Common
U+309d	U	U	ゝ	ゝ	ゝ	ゝ	ゝ	ゝ	upright	upright	W	Lm	Hiragana
U+309e	U	U	ゞ	ゞ	ゞ	ゞ	ゞ	ゞ	upright	upright	W	Lm	Hiragana
U+309f	U	U	ゑ	ゑ	ゑ	ゑ	ゑ	ゑ	upright	upright	W	Lo	Hiragana
U+30a0	U	UF	=	〃	=	〃	=	〃	upright	upright	W	Pd	Common
U+30a1	U	U	ア	ア	ア	ア	ア	ア	upright	upright	W	Lo	Katakana
U+30a2	U	U	ア	ア	ア	ア	ア	ア	upright	upright	W	Lo	Katakana
U+30a3	U	U	イ	イ	イ	イ	イ	イ	upright	upright	W	Lo	Katakana
U+30a4	U	U	イ	イ	イ	イ	イ	イ	upright	upright	W	Lo	Katakana
U+30a5	U	U	ウ	ウ	ウ	ウ	ウ	ウ	upright	upright	W	Lo	Katakana
U+30a6	U	U	ウ	ウ	ウ	ウ	ウ	ウ	upright	upright	W	Lo	Katakana
U+30a7	U	U	エ	エ	エ	エ	エ	エ	upright	upright	W	Lo	Katakana
U+30a8	U	U	エ	エ	エ	エ	エ	エ	upright	upright	W	Lo	Katakana
U+30a9	U	U	オ	オ	オ	オ	オ	オ	upright	upright	W	Lo	Katakana
U+30aa	U	U	オ	オ	オ	オ	オ	オ	upright	upright	W	Lo	Katakana
U+30ab	U	U	カ	カ	カ	カ	カ	カ	upright	upright	W	Lo	Katakana
U+30ac	U	U	ガ	ガ	ガ	ガ	ガ	ガ	upright	upright	W	Lo	Katakana
U+30ad	U	U	キ	キ	キ	キ	キ	キ	upright	upright	W	Lo	Katakana
U+30ae	U	U	ギ	ギ	ギ	ギ	ギ	ギ	upright	upright	W	Lo	Katakana
U+30af	U	U	ク	ク	ク	ク	ク	ク	upright	upright	W	Lo	Katakana
U+30b0	U	U	グ	グ	グ	グ	グ	グ	upright	upright	W	Lo	Katakana
U+30b1	U	U	ケ	ケ	ケ	ケ	ケ	ケ	upright	upright	W	Lo	Katakana
U+30b2	U	U	ゲ	ゲ	ゲ	ゲ	ゲ	ゲ	upright	upright	W	Lo	Katakana
U+30b3	U	U	コ	コ	コ	コ	コ	コ	upright	upright	W	Lo	Katakana
U+30b4	U	U	ゴ	ゴ	ゴ	ゴ	ゴ	ゴ	upright	upright	W	Lo	Katakana
U+30b5	U	U	サ	サ	サ	サ	サ	サ	upright	upright	W	Lo	Katakana
U+30b6	U	U	ザ	ザ	ザ	ザ	ザ	ザ	upright	upright	W	Lo	Katakana
U+30b7	U	U	シ	シ	シ	シ	シ	シ	upright	upright	W	Lo	Katakana
U+30b8	U	U	ジ	ジ	ジ	ジ	ジ	ジ	upright	upright	W	Lo	Katakana
U+30b9	U	U	ス	ス	ス	ス	ス	ス	upright	upright	W	Lo	Katakana
U+30ba	U	U	ズ	ズ	ズ	ズ	ズ	ズ	upright	upright	W	Lo	Katakana
U+30bb	U	U	セ	セ	セ	セ	セ	セ	upright	upright	W	Lo	Katakana
U+30bc	U	U	ゼ	ゼ	ゼ	ゼ	ゼ	ゼ	upright	upright	W	Lo	Katakana
U+30bd	U	U	ソ	ソ	ソ	ソ	ソ	ソ	upright	upright	W	Lo	Katakana
U+30be	U	U	ゾ	ゾ	ゾ	ゾ	ゾ	ゾ	upright	upright	W	Lo	Katakana
U+30bf	U	U	タ	タ	タ	タ	タ	タ	upright	upright	W	Lo	Katakana
U+30c0	U	U	ダ	ダ	ダ	ダ	ダ	ダ	upright	upright	W	Lo	Katakana
U+30c1	U	U	チ	チ	チ	チ	チ	チ	upright	upright	W	Lo	Katakana
U+30c2	U	U	ヂ	ヂ	ヂ	ヂ	ヂ	ヂ	upright	upright	W	Lo	Katakana
U+30c3	U	U	ツ	ツ	ツ	ツ	ツ	ツ	upright	upright	W	Lo	Katakana
U+30c4	U	U	ヅ	ヅ	ヅ	ヅ	ヅ	ヅ	upright	upright	W	Lo	Katakana
U+30c5	U	U	ゞ	ゞ	ゞ	ゞ	ゞ	ゞ	upright	upright	W	Lo	Katakana
U+30c6	U	U	ﾃ	ﾃ	ﾃ	ﾃ	ﾃ	ﾃ	upright	upright	W	Lo	Katakana

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
	U	U	デ	デ	デ	デ	デ	デ	upright	upright	W	Lo	Katakana
U+30c7	U	U	デ	デ	デ	デ	デ	デ	upright	upright	W	Lo	Katakana
U+30c8	U	U	ト	ト	ト	ト	ト	ト	upright	upright	W	Lo	Katakana
U+30c9	U	U	ド	ド	ド	ド	ド	ド	upright	upright	W	Lo	Katakana
U+30ca	U	U	ナ	ナ	ナ	ナ	ナ	ナ	upright	upright	W	Lo	Katakana
U+30cb	U	U	ニ	ニ	ニ	ニ	ニ	ニ	upright	upright	W	Lo	Katakana
U+30cc	U	U	ヌ	ヌ	ヌ	ヌ	ヌ	ヌ	upright	upright	W	Lo	Katakana
U+30cd	U	U	ネ	ネ	ネ	ネ	ネ	ネ	upright	upright	W	Lo	Katakana
U+30ce	U	U	ノ	ノ	ノ	ノ	ノ	ノ	upright	upright	W	Lo	Katakana
U+30cf	U	U	ハ	ハ	ハ	ハ	ハ	ハ	upright	upright	W	Lo	Katakana
U+30d0	U	U	バ	バ	バ	バ	バ	バ	upright	upright	W	Lo	Katakana
U+30d1	U	U	パ	パ	パ	パ	パ	パ	upright	upright	W	Lo	Katakana
U+30d2	U	U	ヒ	ヒ	ヒ	ヒ	ヒ	ヒ	upright	upright	W	Lo	Katakana
U+30d3	U	U	ビ	ビ	ビ	ビ	ビ	ビ	upright	upright	W	Lo	Katakana
U+30d4	U	U	ピ	ピ	ピ	ピ	ピ	ピ	upright	upright	W	Lo	Katakana
U+30d5	U	U	フ	フ	フ	フ	フ	フ	upright	upright	W	Lo	Katakana
U+30d6	U	U	ブ	ブ	ブ	ブ	ブ	ブ	upright	upright	W	Lo	Katakana
U+30d7	U	U	プ	プ	プ	プ	プ	プ	upright	upright	W	Lo	Katakana
U+30d8	U	U	ヘ	ヘ	ヘ	ヘ	ヘ	ヘ	upright	upright	W	Lo	Katakana
U+30d9	U	U	ベ	ベ	ベ	ベ	ベ	ベ	upright	upright	W	Lo	Katakana
U+30da	U	U	ペ	ペ	ペ	ペ	ペ	ペ	upright	upright	W	Lo	Katakana
U+30db	U	U	ホ	ホ	ホ	ホ	ホ	ホ	upright	upright	W	Lo	Katakana
U+30dc	U	U	ボ	ボ	ボ	ボ	ボ	ボ	upright	upright	W	Lo	Katakana
U+30dd	U	U	ポ	ポ	ポ	ポ	ポ	ポ	upright	upright	W	Lo	Katakana
U+30de	U	U	マ	マ	マ	マ	マ	マ	upright	upright	W	Lo	Katakana
U+30df	U	U	ミ	ミ	ミ	ミ	ミ	ミ	upright	upright	W	Lo	Katakana
U+30e0	U	U	ム	ム	ム	ム	ム	ム	upright	upright	W	Lo	Katakana
U+30e1	U	U	メ	メ	メ	メ	メ	メ	upright	upright	W	Lo	Katakana
U+30e2	U	U	モ	モ	モ	モ	モ	モ	upright	upright	W	Lo	Katakana
U+30e3	U	U	ヤ	ヤ	ヤ	ヤ	ヤ	ヤ	upright	upright	W	Lo	Katakana
U+30e4	U	U	ヤ	ヤ	ヤ	ヤ	ヤ	ヤ	upright	upright	W	Lo	Katakana
U+30e5	U	U	ユ	ユ	ユ	ユ	ユ	ユ	upright	upright	W	Lo	Katakana
U+30e6	U	U	ユ	ユ	ユ	ユ	ユ	ユ	upright	upright	W	Lo	Katakana
U+30e7	U	U	ヨ	ヨ	ヨ	ヨ	ヨ	ヨ	upright	upright	W	Lo	Katakana
U+30e8	U	U	ヨ	ヨ	ヨ	ヨ	ヨ	ヨ	upright	upright	W	Lo	Katakana
U+30e9	U	U	ラ	ラ	ラ	ラ	ラ	ラ	upright	upright	W	Lo	Katakana
U+30ea	U	U	リ	リ	リ	リ	リ	リ	upright	upright	W	Lo	Katakana
U+30eb	U	U	ル	ル	ル	ル	ル	ル	upright	upright	W	Lo	Katakana
U+30ec	U	U	レ	レ	レ	レ	レ	レ	upright	upright	W	Lo	Katakana
U+30ed	U	U	ロ	ロ	ロ	ロ	ロ	ロ	upright	upright	W	Lo	Katakana
U+30ee	U	U	ワ	ワ	ワ	ワ	ワ	ワ	upright	upright	W	Lo	Katakana
U+30ef	U	U	ヰ	ヰ	ヰ	ヰ	ヰ	ヰ	upright	upright	W	Lo	Katakana
U+30f0	U	U	ヱ	ヱ	ヱ	ヱ	ヱ	ヱ	upright	upright	W	Lo	Katakana
U+30f1	U	U	ヰ	ヰ	ヰ	ヰ	ヰ	ヰ	upright	upright	W	Lo	Katakana
U+30f2	U	U	ヲ	ヲ	ヲ	ヲ	ヲ	ヲ	upright	upright	W	Lo	Katakana
U+30f3	U	U	ン	ン	ン	ン	ン	ン	upright	upright	W	Lo	Katakana
U+30f4	U	U	ヴ	ヴ	ヴ	ヴ	ヴ	ヴ	upright	upright	W	Lo	Katakana
U+30f5	U	U	カ	カ	カ	カ	カ	カ	upright	upright	W	Lo	Katakana

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Code Point	Character	Character	Character	Character	Character	Character	Character	Character	Character	Character	Character	Character	Category
U+30f6	U	U	ヶ	ヶ	ヶ	ヶ	ヶ	ヶ	ヶ	upright	upright	W	Lo Katakana
U+30f7	U	U	ヅ	ヅ	ヅ	ヅ	ヅ	ヅ	ヅ	upright	upright	W	Lo Katakana
U+30f8	U	U	ヰ	ヰ	ヰ	ヰ	ヰ	ヰ	ヰ	upright	upright	W	Lo Katakana
U+30f9	U	U	ヱ	ヱ	ヱ	ヱ	ヱ	ヱ	ヱ	upright	upright	W	Lo Katakana
U+30fa	U	U	ヲ	ヲ	ヲ	ヲ	ヲ	ヲ	ヲ	upright	upright	W	Lo Katakana
U+30fb	U	U	・	・	・	・	・	・	・	upright	upright	W	Po Common
U+30fc	U	U	ー	ー	ー	ー	ー	ー	ー	upright*	upright	W	Lm Common
U+30fd	U	U	ヽ	ヽ	ヽ	ヽ	ヽ	ヽ	ヽ	upright	upright	W	Lm Katakana
U+30fe	U	U	ゞ	ゞ	ゞ	ゞ	ゞ	ゞ	ゞ	upright	upright	W	Lm Katakana
U+30ff	U	U	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	upright	upright	W	Lo Katakana
U+fe10	U	U	,	,	,	,	,	,	,	rotate	rotate	W	Po Common
U+fe11	U	U	ヽ	ヽ	ヽ	ヽ	ヽ	ヽ	ヽ	rotate	rotate	W	Po Common
U+fe12	U	U	◦	◦	◦	◦	◦	◦	◦	rotate	rotate	W	Po Common
U+fe19	U	U	:	:	:	:	:	:	:	rotate	rotate	W	Po Common
U+fe30	U	U	:	:	:	:	:	:	:	upright	upright	W	Po Common
U+fe31	U	UF	|	|	|	|	|	|	|	upright	upright	W	Pd Common
U+fe32	U	UF	-	-	-	-	-	-	-	upright	upright	W	Pd Common
U+fe33	U	UF	|	|	|	|	|	|	|	upright	upright	W	Pc Common
U+fe35	U	UF	(	)	(	)	(	)	)	upright	upright	W	Ps Common
U+fe36	U	UF	)	(	)	(	)	(	)	upright	upright	W	Pe Common
U+fe37	U	UF	{	}	{	}	{	}	{	upright	upright	W	Ps Common
U+fe38	U	UF	{	}	{	}	{	}	{	upright	upright	W	Pe Common
U+fe39	U	UF	〔	〕	〔	〕	〔	〕	〕	upright	upright	W	Ps Common
U+fe3a	U	UF	〕	〔	〕	〔	〕	〔	〕	upright	upright	W	Pe Common
U+fe3b	U	UF	】	】	】	】	】	】	】	upright	upright	W	Ps Common
U+fe3c	U	UF	】	】	】	】	】	】	】	upright	upright	W	Pe Common
U+fe3d	U	UF	︽	︽	︽	︽	︽	︽	︽	upright	upright	W	Ps Common
U+fe3e	U	UF	﹀	﹀	﹀	﹀	﹀	﹀	﹀	upright	upright	W	Pe Common
U+fe3f	U	UF	︿	︿	︿	︿	︿	︿	︿	upright	upright	W	Ps Common
U+fe40	U	UF	﹀	﹀	﹀	﹀	﹀	﹀	﹀	upright	upright	W	Pe Common
U+fe41	U	UF	﹂	﹂	﹂	﹂	﹂	﹂	﹂	upright	upright	W	Ps Common
U+fe42	U	UF	﹂	﹂	﹂	﹂	﹂	﹂	﹂	upright	upright	W	Pe Common
U+fe43	U	UF	﹃	﹃	﹃	﹃	﹃	﹃	﹃	upright	upright	W	Ps Common
U+fe44	U	UF	﹂	﹂	﹂	﹂	﹂	﹂	﹂	upright	upright	W	Pe Common
U+fe45	U	U	ヽ	ヽ	ヽ	ヽ	ヽ	ヽ	ヽ	upright	upright	W	Po Common
U+fe46	U	U	ヽ	ヽ	ヽ	ヽ	ヽ	ヽ	ヽ	upright	upright	W	Po Common
U+fe47	U	UF	】	】	】	】	】	】	】	upright	upright	W	Ps Common
U+fe48	U	UF	】	】	】	】	】	】	】	upright	upright	W	Pe Common
U+ff01	U	U	!	!	!	!	!	!	!	upright	upright	F	Po Common
U+ff02	U	U	"	"	"	"	"	"	"	upright	upright	F	Po Common
U+ff03	U	U	#	#	#	#	#	#	#	upright	upright	F	Po Common
U+ff04	U	U	\$	\$	\$	\$	\$	\$	\$	upright	upright	F	Sc Common
U+ff05	U	U	%	%	%	%	%	%	%	upright	upright	F	Po Common
U+ff06	U	U	&	&	&	&	&	&	&	upright	upright	F	Po Common
U+ff07	U	U	'	'	'	'	'	'	'	upright	upright	F	Po Common
U+ff08	U	UF	(	)	(	)	(	)	)	rotate	rotate	F	Ps Common
U+ff09	U	UF	)	(	)	(	)	(	)	rotate	rotate	F	Pe Common

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
Codepoint	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char	Char
U+ff0a	U	U	*	*	*	*	*	*	upright	upright	F	Po	Common
U+ff0b	U	U	+	+	+	+	+	+	upright	upright	F	Sm	Common
U+ff0c	U	U	,	,	,	,	,	,	upright*	upright*	F	Po	Common
U+ff0d	U	UF	-	-	-	-	-	-	upright	upright	F	Pd	Common
U+ff0e	U	U	.	.	.	.	.	.	upright*	upright*	F	Po	Common
U+ff0f	U	U	/	/	/	/	/	/	upright	upright	F	Po	Common
U+ff10	U	U	0	0	0	0	0	0	upright	upright	F	Nd	Common
U+ff11	U	U	1	1	1	1	1	1	upright	upright	F	Nd	Common
U+ff12	U	U	2	2	2	2	2	2	upright	upright	F	Nd	Common
U+ff13	U	U	3	3	3	3	3	3	upright	upright	F	Nd	Common
U+ff14	U	U	4	4	4	4	4	4	upright	upright	F	Nd	Common
U+ff15	U	U	5	5	5	5	5	5	upright	upright	F	Nd	Common
U+ff16	U	U	6	6	6	6	6	6	upright	upright	F	Nd	Common
U+ff17	U	U	7	7	7	7	7	7	upright	upright	F	Nd	Common
U+ff18	U	U	8	8	8	8	8	8	upright	upright	F	Nd	Common
U+ff19	U	U	9	9	9	9	9	9	upright	upright	F	Nd	Common
U+ff1a	U	U	:	..	:	..	:	..	upright*	upright*	F	Po	Common
U+ff1b	U	U	;	;	;	;	;	;	upright	upright	F	Po	Common
U+ff1c	U	U	<	<	<	<	<	<	upright	upright	F	Sm	Common
U+ff1d	U	U	=	||	=	||	=	||	upright*	upright*	F	Sm	Common
U+ff1e	U	U	>	>	>	>	>	>	upright	upright	F	Sm	Common
U+ff1f	U	U	?	?	?	?	?	?	upright	upright	F	Po	Common
U+ff20	U	U	@	@	@	@	@	@	upright	upright	F	Po	Common
U+ff21	U	U	A	A	A	A	A	A	upright	upright	F	L&	Latin
U+ff22	U	U	B	B	B	B	B	B	upright	upright	F	L&	Latin
U+ff23	U	U	C	C	C	C	C	C	upright	upright	F	L&	Latin
U+ff24	U	U	D	D	D	D	D	D	upright	upright	F	L&	Latin
U+ff25	U	U	E	E	E	E	E	E	upright	upright	F	L&	Latin
U+ff26	U	U	F	F	F	F	F	F	upright	upright	F	L&	Latin
U+ff27	U	U	G	G	G	G	G	G	upright	upright	F	L&	Latin
U+ff28	U	U	H	H	H	H	H	H	upright	upright	F	L&	Latin
U+ff29	U	U	I	I	I	I	I	I	upright	upright	F	L&	Latin
U+ff2a	U	U	J	J	J	J	J	J	upright	upright	F	L&	Latin
U+ff2b	U	U	K	K	K	K	K	K	upright	upright	F	L&	Latin
U+ff2c	U	U	L	L	L	L	L	L	upright	upright	F	L&	Latin
U+ff2d	U	U	M	M	M	M	M	M	upright	upright	F	L&	Latin
U+ff2e	U	U	N	N	N	N	N	N	upright	upright	F	L&	Latin
U+ff2f	U	U	O	O	O	O	O	O	upright	upright	F	L&	Latin
U+ff30	U	U	P	P	P	P	P	P	upright	upright	F	L&	Latin
U+ff31	U	U	Q	Q	Q	Q	Q	Q	upright	upright	F	L&	Latin
U+ff32	U	U	R	R	R	R	R	R	upright	upright	F	L&	Latin
U+ff33	U	U	S	S	S	S	S	S	upright	upright	F	L&	Latin
U+ff34	U	U	T	T	T	T	T	T	upright	upright	F	L&	Latin
U+ff35	U	U	U	U	U	U	U	U	upright	upright	F	L&	Latin
U+ff36	U	U	V	V	V	V	V	V	upright	upright	F	L&	Latin
U+ff37	U	U	W	W	W	W	W	W	upright	upright	F	L&	Latin
U+ff38	U	U	X	X	X	X	X	X	upright	upright	F	L&	Latin

Default Orientation In Vertical Layout By Codepoint

	Hiragino Mincho				Kozuka Mincho		Meiryo						
	U	U	Y	Y	Y	Y	Y	Y	upright	upright	F	L&	Latin
U+ff39	U	U	Y	Y	Y	Y	Y	Y	upright	upright	F	L&	Latin
U+ff3a	U	U	Z	Z	Z	Z	Z	Z	upright	upright	F	L&	Latin
U+ff3b	U	UF	[	𠀠	[	𠀠	[	𠀠	upright*	upright*	F	Ps	Common
U+ff3c	U	U	＼	＼	＼	＼	＼	＼	upright	upright	F	Po	Common
U+ff3d	U	UF	]	𠀠	]	𠀠	]	𠀠	upright*	upright*	F	Pe	Common
U+ff3e	U	U	^	^	^	^	^	^	upright	upright	F	Sk	Common
U+ff3f	U	UF	—	|	—	|	—	|	upright*	upright*	F	Pc	Common
U+ff40	U	U	ˊ	ˊ	ˊ	ˊ	ˊ	ˊ	upright	upright	F	Sk	Common
U+ff41	U	U	a	a	a	a	a	a	upright	upright	F	L&	Latin
U+ff42	U	U	b	b	b	b	b	b	upright	upright	F	L&	Latin
U+ff43	U	U	c	c	c	c	c	c	upright	upright	F	L&	Latin
U+ff44	U	U	d	d	d	d	d	d	upright	upright	F	L&	Latin
U+ff45	U	U	e	e	e	e	e	e	upright	upright	F	L&	Latin
U+ff46	U	U	f	f	f	f	f	f	upright	upright	F	L&	Latin
U+ff47	U	U	g	g	g	g	g	g	upright	upright	F	L&	Latin
U+ff48	U	U	h	h	h	h	h	h	upright	upright	F	L&	Latin
U+ff49	U	U	i	i	i	i	i	i	upright	upright	F	L&	Latin
U+ff4a	U	U	j	j	j	j	j	j	upright	upright	F	L&	Latin
U+ff4b	U	U	k	k	k	k	k	k	upright	upright	F	L&	Latin
U+ff4c	U	U	l	l	l	l	l	l	upright	upright	F	L&	Latin
U+ff4d	U	U	m	m	m	m	m	m	upright	upright	F	L&	Latin
U+ff4e	U	U	n	n	n	n	n	n	upright	upright	F	L&	Latin
U+ff4f	U	U	o	o	o	o	o	o	upright	upright	F	L&	Latin
U+ff50	U	U	p	p	p	p	p	p	upright	upright	F	L&	Latin
U+ff51	U	U	q	q	q	q	q	q	upright	upright	F	L&	Latin
U+ff52	U	U	r	r	r	r	r	r	upright	upright	F	L&	Latin
U+ff53	U	U	s	s	s	s	s	s	upright	upright	F	L&	Latin
U+ff54	U	U	t	t	t	t	t	t	upright	upright	F	L&	Latin
U+ff55	U	U	u	u	u	u	u	u	upright	upright	F	L&	Latin
U+ff56	U	U	v	v	v	v	v	v	upright	upright	F	L&	Latin
U+ff57	U	U	w	w	w	w	w	w	upright	upright	F	L&	Latin
U+ff58	U	U	x	x	x	x	x	x	upright	upright	F	L&	Latin
U+ff59	U	U	y	y	y	y	y	y	upright	upright	F	L&	Latin
U+ff5a	U	U	z	z	z	z	z	z	upright	upright	F	L&	Latin
U+ff5b	U	UF	{	𠀠	{	𠀠	{	𠀠	upright*	upright*	F	Ps	Common
U+ff5c	U	U	|	—	|	—	|	—	upright*	upright*	F	Sm	Common
U+ff5d	U	UF	}	𠀠	}	𠀠	}	𠀠	upright*	upright*	F	Pe	Common
U+ff5e	U	U	~	⌚	~	⌚	~	⌚	upright*	upright*	F	Sm	Common
U+ff5f	U	UF	((	=	((	=	((	=	upright*	upright*	F	Ps	Common
U+ff60	U	UF	)	=	)	=	)	=	upright*	upright*	F	Pe	Common
U+ff61	S	S	◦	◦	◦	◦	◦	◦	rotate	rotate	H	Po	Common
U+ff62	S	UF	Γ	Γ	Γ	Γ	Γ	Γ	rotate	rotate	H	Ps	Common
U+ff63	S	UF	Ј	Ј	Ј	Ј	Ј	Ј	rotate	rotate	H	Pe	Common
U+ff64	S	S	、	、	、	、	、	、	rotate	rotate	H	Po	Common
U+ff65	S	S	・	・	・	・	・	・	rotate	rotate	H	Po	Common
U+ff66	S	S	ঁ	ঁ	ঁ	ঁ	ঁ	ঁ	rotate	rotate	H	Lo	Katakana
U+ff67	S	S	ঁ	ঁ	ঁ	ঁ	ঁ	ঁ	rotate	rotate	H	Lo	Katakana

Default Orientation In Vertical Layout By Codepoint

		Hiragino Mincho		Kozuka Mincho		Meiryo						
		S	S	S	S	I	I	I	I	rotate	rotate	H
U+ff68	S	S	イ	イ	イ	イ	イ	イ	イ	rotate	rotate	H
U+ff69	S	S	ウ	ウ	ウ	ウ	ウ	ウ	ウ	rotate	rotate	H
U+ff6a	S	S	エ	エ	エ	エ	エ	エ	エ	rotate	rotate	H
U+ff6b	S	S	オ	オ	オ	オ	オ	オ	オ	rotate	rotate	H
U+ff6c	S	S	ヤ	ヤ	ヤ	ヤ	ヤ	ヤ	ヤ	rotate	rotate	H
U+ff6d	S	S	ュ	ュ	ュ	ュ	ュ	ュ	ュ	rotate	rotate	H
U+ff6e	S	S	ヨ	ヨ	ヨ	ヨ	ヨ	ヨ	ヨ	rotate	rotate	H
U+ff6f	S	S	ツ	ツ	ツ	ツ	ツ	ツ	ツ	rotate	rotate	H
U+ff70	S	S	ー	ー	ー	ー	ー	ー	ー	rotate	rotate	H
U+ff71	S	S	ア	ア	ア	ア	ア	ア	ア	rotate	rotate	H
U+ff72	S	S	イ	イ	イ	イ	イ	イ	イ	rotate	rotate	H
U+ff73	S	S	ウ	ウ	ウ	ウ	ウ	ウ	ウ	rotate	rotate	H
U+ff74	S	S	エ	エ	エ	エ	エ	エ	エ	rotate	rotate	H
U+ff75	S	S	オ	オ	オ	オ	オ	オ	オ	rotate	rotate	H
U+ff76	S	S	カ	カ	カ	カ	カ	カ	カ	rotate	rotate	H
U+ff77	S	S	キ	キ	キ	キ	キ	キ	キ	rotate	rotate	H
U+ff78	S	S	ク	ク	ク	ク	ク	ク	ク	rotate	rotate	H
U+ff79	S	S	ヶ	ヶ	ヶ	ヶ	ヶ	ヶ	ヶ	rotate	rotate	H
U+ff7a	S	S	コ	コ	コ	コ	コ	コ	コ	rotate	rotate	H
U+ff7b	S	S	サ	サ	サ	サ	サ	サ	サ	rotate	rotate	H
U+ff7c	S	S	シ	シ	シ	シ	シ	シ	シ	rotate	rotate	H
U+ff7d	S	S	ス	ス	ス	ス	ス	ス	ス	rotate	rotate	H
U+ff7e	S	S	セ	セ	セ	セ	セ	セ	セ	rotate	rotate	H
U+ff7f	S	S	ソ	ソ	ソ	ソ	ソ	ソ	ソ	rotate	rotate	H
U+ff80	S	S	タ	タ	タ	タ	タ	タ	タ	rotate	rotate	H
U+ff81	S	S	チ	チ	チ	チ	チ	チ	チ	rotate	rotate	H
U+ff82	S	S	ツ	ツ	ツ	ツ	ツ	ツ	ツ	rotate	rotate	H
U+ff83	S	S	テ	テ	テ	テ	テ	テ	テ	rotate	rotate	H
U+ff84	S	S	ト	ト	ト	ト	ト	ト	ト	rotate	rotate	H
U+ff85	S	S	ナ	ナ	ナ	ナ	ナ	ナ	ナ	rotate	rotate	H
U+ff86	S	S	ニ	ニ	ニ	ニ	ニ	ニ	ニ	rotate	rotate	H
U+ff87	S	S	ヌ	ヌ	ヌ	ヌ	ヌ	ヌ	ヌ	rotate	rotate	H
U+ff88	S	S	ネ	ネ	ネ	ネ	ネ	ネ	ネ	rotate	rotate	H
U+ff89	S	S	ノ	ノ	ノ	ノ	ノ	ノ	ノ	rotate	rotate	H
U+ff8a	S	S	ハ	ハ	ハ	ハ	ハ	ハ	ハ	rotate	rotate	H
U+ff8b	S	S	ヒ	ヒ	ヒ	ヒ	ヒ	ヒ	ヒ	rotate	rotate	H
U+ff8c	S	S	フ	フ	フ	フ	フ	フ	フ	rotate	rotate	H
U+ff8d	S	S	ヘ	ヘ	ヘ	ヘ	ヘ	ヘ	ヘ	rotate	rotate	H
U+ff8e	S	S	ホ	ホ	ホ	ホ	ホ	ホ	ホ	rotate	rotate	H
U+ff8f	S	S	マ	マ	マ	マ	マ	マ	マ	rotate	rotate	H
U+ff90	S	S	ミ	ミ	ミ	ミ	ミ	ミ	ミ	rotate	rotate	H
U+ff91	S	S	ム	ム	ム	ム	ム	ム	ム	rotate	rotate	H
U+ff92	S	S	メ	メ	メ	メ	メ	メ	メ	rotate	rotate	H
U+ff93	S	S	モ	モ	モ	モ	モ	モ	モ	rotate	rotate	H
U+ff94	S	S	ヤ	ヤ	ヤ	ヤ	ヤ	ヤ	ヤ	rotate	rotate	H
U+ff95	S	S	ュ	ュ	ュ	ュ	ュ	ュ	ュ	rotate	rotate	H
U+ff96	S	S	ヨ	ヨ	ヨ	ヨ	ヨ	ヨ	ヨ	rotate	rotate	H

Default Orientation In Vertical Layout By Codepoint

			Hiragino Mincho		Kozuka Mincho		Meiryo						
	S	S	𠂊	𠂊	𠂊	𠂊	𠂊	𠂊	rotate	rotate	H	Lo	Katakana
U+ff97	S	S	リ	リ	リ	リ	リ	リ	rotate	rotate	H	Lo	Katakana
U+ff98	S	S	ル	ル	ル	ル	ル	ル	rotate	rotate	H	Lo	Katakana
U+ff99	S	S	レ	レ	レ	レ	レ	レ	rotate	rotate	H	Lo	Katakana
U+ff9a	S	S	ロ	ロ	ロ	ロ	ロ	ロ	rotate	rotate	H	Lo	Katakana
U+ff9b	S	S	ヲ	ヲ	ヲ	ヲ	ヲ	ヲ	rotate	rotate	H	Lo	Katakana
U+ff9c	S	S	ワ	ワ	ワ	ワ	ワ	ワ	rotate	rotate	H	Lo	Katakana
U+ff9d	S	S	ン	ン	ン	ン	ン	ン	rotate	rotate	H	Lo	Katakana
U+ff9e	S	S	・	・	・	・	・	・	rotate	rotate	H	Lm	Common
U+ff9f	S	S	◦	◦	◦	◦	◦	◦	upright	rotate	H	Lm	Common
U+ffe0	U	U	¢	¢	¢	¢	¢	¢	upright	upright	F	Sc	Common
U+ffe1	U	U	£	£	£	£	£	£	upright	upright	F	Sc	Common
U+ffe2	U	U	¬	¬	¬	¬	¬	¬	upright	upright	F	Sm	Common
U+ffe3	U	U	—	|	—	|	—	|	upright*	upright*	F	Sk	Common
U+ffe4	U	U	፣	፣	፣	፣	፣	፣	upright	upright	F	So	Common
U+ffe5	U	U	¥	¥	¥	¥	¥	¥	upright	upright	F	Sc	Common
U+ffe6	U	U	₩	₩	₩	₩	₩	₩	upright	upright	F	Sc	Common
U+ffe8	S	S	|	|	|	|	|	|	rotate	upright	H	So	Common
U+ffe9	S	S	￩	￩	￩	￩	￩	￩	upright	upright	H	Sm	Common
U+ffea	S	S	↑	↑	↑	↑	↑	↑	upright	upright	H	Sm	Common
U+ffeb	S	S	→	→	→	→	→	→	upright	upright	H	Sm	Common
U+ffec	S	S	↓	↓	↓	↓	↓	↓	upright	upright	H	Sm	Common
U+ffed	S	S	■	■	■	■	■	■	upright	upright	H	So	Common
U+fee	S	S	◦	◦	◦	◦	◦	◦	upright	upright	H	So	Common