

Minion® Math – Character Set

Release Version 1.026

The following tables show the complete character set of Minion® Math, release version 1.026 (shown here with Minion® Math Regular).

The complete character set is available in each of Minion® Math’s 20 fonts (4 weights in 5 optical sizes, with the weights and sizes as for Adobe Minion Pro, but with an additional optical size “Tiny”).

Characters only available in the optical size “Tiny” are shown on a blue background.

Explanation of Symbols

Released Glyphs

2268



Minion® Math glyph –

the glyph at the given Unicode codepoint (shown with its Unicode number)

0021



Adobe Minion® Pro original glyph, included in Minion® Math –

the glyph at the given Unicode codepoint (shown with its Unicode number)

f0434



Minion® Math glyph, included only in optical size “Tiny” –

the glyph is only included in optical size “Tiny”

(for other optical sizes, the glyph is available in Adobe Minion® Pro Italic fonts)

Unreleased Glyphs (shown only in rows containing released glyphs)

0370



“to be added” – at the respective codepoint, a glyph will be added to Minion® Math (in a subsequent release)

0310



“maybe” – at the respective codepoint, a glyph may be added to Minion® Math (at a later stage; these glyphs are questionable for mathematical use)

Unused or Undefined Codepoints (shown only in rows containing released glyphs)

0230



“notdef” – either the glyph will not be added to Minion® Math or the respective codepoint is reserved or not defined in Unicode

0130



“Minion® Pro” – at the respective codepoint, a glyph exists in Adobe Minion® Pro (shown only for reference and orientation; these glyphs do not belong to Minion® Math)

All glyphs are shown on a non-plain background with guidelines.

0000–007F: C0 Controls and Basic Latin

0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002a	002b	002c	002d	002e	002f
	!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/
0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003a	003b	003c	003d	003e	003f
0	1	2	3	4	5	6	7	ND	9	:	;	<	=	>	?
0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004a	004b	004c	004d	004e	004f
@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005a	005b	005c	005d	005e	005f
P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006a	006b	006c	006d	006e	006f
`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007a	007b	007c	007d	007e	007f
p	q	r	s	t	u	v	w	x	y	z	{		}	~	ND

0080–00FF: C1 Controls and Latin-1 Supplement

00a0	00a1	00a2	00a3	00a4	00a5	00a6	00a7	00a8	00a9	00aa	00ab	00ac	00ad	00ae	00af
	¡	¢	£	¤	¥	¦	§	¨	MN	MN	MN	¬	MN	MN	¯
00b0	00b1	00b2	00b3	00b4	00b5	00b6	00b7	00b8	00b9	00ba	00bb	00bc	00bd	00be	00bf
°	±	²	³	´	µ	¶	·	MN	¹	MN	MN	¼	½	¾	¿
00d0	00d1	00d2	00d3	00d4	00d5	00d6	00d7	00d8	00d9	00da	00db	00dc	00dd	00de	00df
MN	MN	MN	MN	MN	MN	MN	×	MN	MN	MN	MN	MN	MN	MN	MN
00f0	00f1	00f2	00f3	00f4	00f5	00f6	00f7	00f8	00f9	00fa	00fb	00fc	00fd	00fe	00ff
ð	MN	MN	MN	MN	MN	MN	÷	MN	MN	MN	MN	MN	MN	þ	MN

0100–017F: Latin Extended A

0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	013a	013b	013c	013d	013e	013f
MN	Ā	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN	MN

0180–024F: Latin Extended B

0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	023a	023b	023c	023d	023e	023f
ND	ND	MN	MN	ND	ND	ND	Ĳ	ND	ND	ND	ND	ND	ND	ND	ND

02B0–02FF: Spacing Modifier Letters

02c0	02c1	02c2	02c3	02c4	02c5	02c6	02c7	02c8	02c9	02ca	02cb	02cc	02cd	02ce	02cf
ND	ND	ND	ND	ND	ND	◀	▶	ND	–	ND	ND	ND	ND	ND	ND
02d0	02d1	02d2	02d3	02d4	02d5	02d6	02d7	02d8	02d9	02da	02db	02dc	02dd	02de	02df
ND	ND	ND	ND	ND	ND	ND	ND	◌̣	◌̤	◌̥	MN	◌̧	MN	ND	ND

0300–036F: Combining Diacritical Marks

0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	030a	030b	030c	030d	030e	030f
◌	◌	◌	◌	◌	◌	◌	◌	◌	ND	◌	?	◌	ADD	ADD	?
0310	0311	0312	0313	0314	0315	0316	0317	0318	0319	031a	031b	031c	031d	031e	031f
ADD	◌	?	?	?	ND	◌	◌	?	?	ND	ND	ADD	?	?	ADD
0320	0321	0322	0323	0324	0325	0326	0327	0328	0329	032a	032b	032c	032d	032e	032f
ADD	ND	ND	◌	◌	◌	?	ND	ND	ADD	◌	?	◌	◌	◌	◌
0330	0331	0332	0333	0334	0335	0336	0337	0338	0339	033a	033b	033c	033d	033e	033f
◌	◌	◌	◌	?	?	?	?	/	ADD	◌	?	?	◌	?	◌
0340	0341	0342	0343	0344	0345	0346	0347	0348	0349	034a	034b	034c	034d	034e	034f
ND	ND	ND	ND	ND	ND	◌	ADD	ADD	?	?	?	?	ADD	?	ND

0370–03FF: Greek and Coptic

0370	0371	0372	0373	0374	0375	0376	0377	0378	0379	037a	037b	037c	037d	037e	037f
ADD	ADD	ADD	ADD	◌	◌	ADD	ADD	ND	ND	ND	ND	ND	ND	MN	ADD
0390	0391	0392	0393	0394	0395	0396	0397	0398	0399	039a	039b	039c	039d	039e	039f
MN	A	B	Γ	Δ	E	Z	H	Θ	I	K	Λ	M	N	E	O
03a0	03a1	03a2	03a3	03a4	03a5	03a6	03a7	03a8	03a9	03aa	03ab	03ac	03ad	03ae	03af
Π	P	ND	Σ	T	Υ	Φ	X	Ψ	Ω	MN	MN	MN	MN	MN	MN
03b0	03b1	03b2	03b3	03b4	03b5	03b6	03b7	03b8	03b9	03ba	03bb	03bc	03bd	03be	03bf
MN	α	β	γ	δ	ε	ζ	η	θ	ι	κ	λ	μ	ν	ξ	ο
03c0	03c1	03c2	03c3	03c4	03c5	03c6	03c7	03c8	03c9	03ca	03cb	03cc	03cd	03ce	03cf
π	ρ	ς	σ	τ	υ	φ	χ	ψ	ω	MN	MN	MN	MN	MN	ND
03d0	03d1	03d2	03d3	03d4	03d5	03d6	03d7	03d8	03d9	03da	03db	03dc	03dd	03de	03df
ϐ	ϑ	?	ND	ND	ϕ	ω	ND	ADD	ϙ	ADD	ς	F	F	ADD	ADD
03e0	03e1	03e2	03e3	03e4	03e5	03e6	03e7	03e8	03e9	03ea	03eb	03ec	03ed	03ee	03ef
ADD	Ϸ	?	?	?	?	?	?	?	?	?	?	?	?	?	?
03f0	03f1	03f2	03f3	03f4	03f5	03f6	03f7	03f8	03f9	03fa	03fb	03fc	03fd	03fe	03ff
κ	ρ	ADD	ADD	Θ	ε	ε	?	?	ADD	ADD	ADD	ND	ND	ND	ND

0400–04FF: Cyrillic

0420	0421	0422	0423	0424	0425	0426	0427	0428	0429	042a	042b	042c	042d	042e	042f
MN	MN	MN	MN	MN	MN	MN	MN	III	MN	MN	MN	MN	MN	MN	MN

2000–206F: General Punctuation

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	200a	200b	200c	200d	200e	200f
												?	?	?	?
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	201a	201b	201c	201d	201e	201f
–	ND	–	–	–	–		=	MN	MN	MN	‘	MN	MN	MN	”
2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	202a	202b	202c	202d	202e	202f
†	‡	•	▶	•	••	•••	•	?	?	?	?	?	?	?	
2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	203a	203b	203c	203d	203e	203f
‰	(*)	!	!!	!!!	\\	\\	\\	ND	MN	MN	✖	ADD	ADD	ADD	ADD
2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	204a	204b	204c	204d	204e	204f
ADD	ND	ADD	ADD	/	{	}	ADD	ND	ND	ADD	ADD	ADD	ADD	ADD	ADD
2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	205a	205b	205c	205d	205e	205f
ADD	ADD	ADD	ND	ADD	ND	ADD	////	ADD	ADD	ADD	ADD	ADD	ADD	ADD	
2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	206a	206b	206c	206d	206e	206f
ND					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(*) 2031
‰

2070–209F: Superscripts and Subscripts

2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	207a	207b	207c	207d	207e	207f
0	ND	ND	ND	4	5	6	7	8	9	+	–	=	(	)	MN
2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	208a	208b	208c	208d	208e	208f
0	1	2	3	4	5	6	7	8	9	+	–	=	(	)	ND

20A0–20CF: Currency Symbols

20a0	20a1	20a2	20a3	20a4	20a5	20a6	20a7	20a8	20a9	20aa	20ab	20ac	20ad	20ae	20af
ND	MN	ND	MN	MN	ND	ND	MN	ND	ND	ND	MN	€	ND	ND	ND

20D0–20FF: Combining Diacritical Marks for Symbols

20d0	20d1	20d2	20d3	20d4	20d5	20d6	20d7	20d8	20d9	20da	20db	20dc	20dd	20de	20df
←	→			↶	↷	↶	↷	ADD	ADD	ADD	...	...	○	□	◇
20e0	20e1	20e2	20e3	20e4	20e5	20e6	20e7	20e8	20e9	20ea	20eb	20ec	20ed	20ee	20ef
ND	↔		ND	ND	△	\\		...	↶	←		↶	↶	←	→
20f0	20f1	20f2	20f3	20f4	20f5	20f6	20f7	20f8	20f9	20fa	20fb	20fc	20fd	20fe	20ff
*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

2100–214F: Letterlike Symbols

2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	210a	210b	210c	210d	210e	210f
ND	ND	℄	°C	?	%	ND	ℰ	ℰ	°F	ADD	ADD	ADD	ℋ	ℎ	ℎ
2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	211a	211b	211c	211d	211e	211f
ADD	ℑ	ADD	ℓ	?	ℕ	MN	ℙ	ℙ	ℙ	Q	ADD	ℚ	ℚ	ADD	?
2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	212a	212b	212c	212d	212e	212f
ND	ND	MN	?	ℤ	?	Ω	℧	ADD	ı	K	Å	ADD	ADD	MN	ADD
2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	213a	213b	213c	213d	213e	213f
ADD	ADD	ℋ	ADD	ADD	℞	⌋	⌈	⌋	ND	ND	ND	π	γ	ℓ	ℓ
2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	214a	214b	214c	214d	214e	214f
Σ	⊃	⌋	⌋	λ	ℐ	ℓ	e	i	j	?	⌘	?	ND	?	?

2150–218F: Number Forms

2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	215a	215b	215c	215d	215e	215f
1/7	1/9	1/10	1/3	2/3	1/5	2/5	3/5	4/5	1/6	5/6	1/8	3/8	5/8	7/8	1/
2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	218a	218b	218c	218d	218e	218f
ADD	?	?	ADD	?	ADD	?	?	?	0/3	?	?	ND	ND	ND	ND

2190–21FF: Arrows

2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	219a	219b	219c	219d	219e	219f
←	↑	→	↓	↔	↕	↖	↗	↘	↙	↔	↔	↔	↔	↔	↑
21a0	21a1	21a2	21a3	21a4	21a5	21a6	21a7	21a8	21a9	21aa	21ab	21ac	21ad	21ae	21af
→	↓	↔	↔	↔	↕	↔	↕	↕	↔	↔	↔	↔	↔	↔	↕
21b0	21b1	21b2	21b3	21b4	21b5	21b6	21b7	21b8	21b9	21ba	21bb	21bc	21bd	21be	21bf
↖	↗	↘	↙	↘	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖
21c0	21c1	21c2	21c3	21c4	21c5	21c6	21c7	21c8	21c9	21ca	21cb	21cc	21cd	21ce	21cf
→	→	↓	↓	↔	↕	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔
21d0	21d1	21d2	21d3	21d4	21d5	21d6	21d7	21d8	21d9	21da	21db	21dc	21dd	21de	21df
↔	↕	↔	↕	↔	↕	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔
21e0	21e1	21e2	21e3	21e4	21e5	21e6	21e7	21e8	21e9	21ea	21eb	21ec	21ed	21ee	21ef
↔	↕	↔	↕	↔	↕	↔	↕	↔	↕	↕	↕	↕	↕	↕	↕
21f0	21f1	21f2	21f3	21f4	21f5	21f6	21f7	21f8	21f9	21fa	21fb	21fc	21fd	21fe	21ff
↔	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕

2200–22FF: Mathematical Operators

2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	220a	220b	220c	220d	220e	220f
$\forall$	$\complement$	∂	$\exists$	$\nexists$	$\emptyset$	Δ	∇	$\in$	$\notin$	ϵ	$\ni$	$\ncong$	$\ni$	$\blacksquare$	$\prod$
2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	221a	221b	221c	221d	221e	221f
$\coprod$	$\sum$	$-$	$\mp$	$\dot{+}$	$/$	$\backslash$	$*$	$\circ$	$\bullet$	$\sqrt{}$	$\sqrt[3]{}$	$\sqrt[4]{}$	$\propto$	∞	$\angle$
2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	222a	222b	222c	222d	222e	222f
$\angle$	$\triangleleft$	$\trianglelefteq$	$ $	$\vdash$	$\parallel$	$\nparallel$	$\wedge$	$\vee$	$\cap$	$\cup$	$\int$	$\iint$	$\iiint$	$\oint$	$\oiint$
2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	223a	223b	223c	223d	223e	223f
$\oint$	$\int$	$\oint$	$\oint$	$\therefore$	$\because$	$:$	$\ddots$	$\div$	$\dot{-}$	$\ddot{=}$	$\sim$	$\sim$	$\sim$	$\approx$	$\sim$
2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	224a	224b	224c	224d	224e	224f
$\wr$	$\curvearrowright$	$\approx$	$\simeq$	$\neq$	$\cong$	$\ncong$	$\neq$	$\approx$	$\neq$	$\cong$	$\approx$	$\equiv$	$\subsetneq$	$\supsetneq$	$\doteq$
2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	225a	225b	225c	225d	225e	225f
$\doteq$	$\dot{=}$	$\ddot{=}$	$\ddot{=}$	$\dot{=}$	$\dot{=}$	$\mathbb{H}$	$\circ$	$\hat{=}$	$\hat{=}$	$\hat{=}$	$\hat{=}$	$\hat{=}$	$\hat{=}$	$\hat{=}$	$\hat{=}$
2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	226a	226b	226c	226d	226e	226f
$\neq$	$\equiv$	$\neq$	$\equiv$	$\leq$	$\geq$	$\leq$	$\geq$	$\leq$	$\geq$	$\ll$	$\gg$	$\oslash$	$\neq$	$\neq$	$\neq$
2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	227a	227b	227c	227d	227e	227f
$\neq$	$\neq$	$\leq$	$\geq$	$\neq$	$\neq$	$\leq$	$\geq$	$\neq$	$\neq$	$\prec$	$\succ$	$\preceq$	$\succeq$	$\preceq$	$\succeq$
2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	228a	228b	228c	228d	228e	228f
$\neq$	$\neq$	$\subset$	$\supset$	$\neq$	$\neq$	$\subseteq$	$\supseteq$	$\neq$	$\neq$	$\subsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$
2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	229a	229b	229c	229d	229e	229f
$\sqsubset$	$\sqsubseteq$	$\sqsupseteq$	$\sqsupset$	$\sqsupset$	$\oplus$	$\ominus$	$\otimes$	$\oslash$	$\odot$	$\odot$	$\otimes$	$\ominus$	$\ominus$	$\boxplus$	$\boxminus$
22a0	22a1	22a2	22a3	22a4	22a5	22a6	22a7	22a8	22a9	22aa	22ab	22ac	22ad	22ae	22af
$\boxtimes$	$\boxtimes$	$\vdash$	$\dashv$	$\top$	$\perp$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$
22b0	22b1	22b2	22b3	22b4	22b5	22b6	22b7	22b8	22b9	22ba	22bb	22bc	22bd	22be	22bf
$\prec$	$\succ$	$\triangleleft$	$\triangleright$	$\triangleleft$	$\triangleright$	$\circ$	$\circ$	$\circ$	$\div$	$\top$	$\vee$	$\bar{\vee}$	$\bar{\vee}$	$\bar{\vee}$	$\triangle$
22c0	22c1	22c2	22c3	22c4	22c5	22c6	22c7	22c8	22c9	22ca	22cb	22cc	22cd	22ce	22cf
$\wedge$	$\vee$	$\cap$	$\cup$	$\diamond$	$\cdot$	$\star$	$\star$	$\star$	$\star$	$\star$	$\star$	$\star$	$\star$	$\star$	$\star$
22d0	22d1	22d2	22d3	22d4	22d5	22d6	22d7	22d8	22d9	22da	22db	22dc	22dd	22de	22df
$\in$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$	$\ni$
22e0	22e1	22e2	22e3	22e4	22e5	22e6	22e7	22e8	22e9	22ea	22eb	22ec	22ed	22ee	22ef
$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$
22f0	22f1	22f2	22f3	22f4	22f5	22f6	22f7	22f8	22f9	22fa	22fb	22fc	22fd	22fe	22ff
$\therefore$	$\because$	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ

2300–23FF: Miscellaneous Technical

2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	230a	230b	230c	230d	230e	230f
												ADD	ADD	ADD	ADD
2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	231a	231b	231c	231d	231e	231f
										?	?				
2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	232a	232b	232c	232d	232e	232f
ADD	ADD			?	?	?	?	?			?	ADD	?	?	ADD
2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	233a	233b	233c	233d	233e	233f
?	?	?	?	?	?		ADD	ADD	ADD	ADD	ADD	ADD		ADD	
23b0	23b1	23b2	23b3	23b4	23b5	23b6	23b7	23b8	23b9	23ba	23bb	23bc	23bd	23be	23bf
		?	?				ADD	ADD	ADD	ND	ND	ND	ND	ND	ND
23d0	23d1	23d2	23d3	23d4	23d5	23d6	23d7	23d8	23d9	23da	23db	23dc	23dd	23de	23df
ADD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ADD	ADD	ADD	ADD		

2400–243F: Control Pictures

2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	242a	242b	242c	242d	242e	242f
ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

2460–24FF: Enclosed Alphanumerics

2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	246a	246b	246c	246d	246e	246f
2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	247a	247b	247c	247d	247e	247f
				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24b0	24b1	24b2	24b3	24b4	24b5	24b6	24b7	24b8	24b9	24ba	24bb	24bc	24bd	24be	24bf
ND	ND	ND	ND	ND	ND										
24c0	24c1	24c2	24c3	24c4	24c5	24c6	24c7	24c8	24c9	24ca	24cb	24cc	24cd	24ce	24cf
24d0	24d1	24d2	24d3	24d4	24d5	24d6	24d7	24d8	24d9	24da	24db	24dc	24dd	24de	24df
24e0	24e1	24e2	24e3	24e4	24e5	24e6	24e7	24e8	24e9	24ea	24eb	24ec	24ed	24ee	24ef
24f0	24f1	24f2	24f3	24f4	24f5	24f6	24f7	24f8	24f9	24fa	24fb	24fc	24fd	24fe	24ff
					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

2580–259F: Block Elements

2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	258a	258b	258c	258d	258e	258f
2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	259a	259b	259c	259d	259e	259f

25A0–25FF: Geometric Shapes

25a0	25a1	25a2	25a3	25a4	25a5	25a6	25a7	25a8	25a9	25aa	25ab	25ac	25ad	25ae	25af
25b0	25b1	25b2	25b3	25b4	25b5	25b6	25b7	25b8	25b9	25ba	25bb	25bc	25bd	25be	25bf
25c0	25c1	25c2	25c3	25c4	25c5	25c6	25c7	25c8	25c9	25ca	25cb	25cc	25cd	25ce	25cf
25d0	25d1	25d2	25d3	25d4	25d5	25d6	25d7	25d8	25d9	25da	25db	25dc	25dd	25de	25df
25e0	25e1	25e2	25e3	25e4	25e5	25e6	25e7	25e8	25e9	25ea	25eb	25ec	25ed	25ee	25ef
25f0	25f1	25f2	25f3	25f4	25f5	25f6	25f7	25f8	25f9	25fa	25fb	25fc	25fd	25fe	25ff

2600–26FF: Miscellaneous Symbols

2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	260a	260b	260c	260d	260e	260f
ND	ND	ND	ND	ND	★	☆	ND	ND	ADD	ADD	ADD	ADD	ADD	ADD	?
2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	266a	266b	266c	266d	266e	266f
								ND	ADD	ADD	ADD	ADD	b	h	#
2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	268a	268b	268c	268d	268e	268f
										ND	ND	ND	ND	ND	ND
26a0	26a1	26a2	26a3	26a4	26a5	26a6	26a7	26a8	26a9	26aa	26ab	26ac	26ad	26ae	26af
?	ND	?	?	?	?	?	?	?	?	?	?	?	?	?	?

2700–27BF: Dingbats

2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	271a	271b	271c	271d	271e	271f
ND	ND	ND	✓	ND	ND	ND	ADD	ND	ND	ND	ND	ND	ND	ND	ND
2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	272a	272b	272c	272d	272e	272f
✠	ND	ND	ND	ND	ND	?	?	ND	ND	★	ND	ND	ND	ND	ND
2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	273a	273b	273c	273d	273e	273f
ND	ND	ND	MN	MN	ND	*	ND	ND	ND	ND	ND	ND	ADD	ND	ND
2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	277a	277b	277c	277d	277e	277f
ND	ND	[	]	ND	ND	1	2	3	4	5	6	7	8	9	10
27a0	27a1	27a2	27a3	27a4	27a5	27a6	27a7	27a8	27a9	27aa	27ab	27ac	27ad	27ae	27af
ND	➡	MN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

27C0–27EF: Miscellaneous Mathematical Symbols-A

27c0	27c1	27c2	27c3	27c4	27c5	27c6	27c7	27c8	27c9	27ca	27cb	27cc	27cd	27ce	27cf
27d0	27d1	27d2	27d3	27d4	27d5	27d6	27d7	27d8	27d9	27da	27db	27dc	27dd	27de	27df
27e0	27e1	27e2	27e3	27e4	27e5	27e6	27e7	27e8	27e9	27ea	27eb	27ec	27ed	27ee	27ef

27F0–27FF: Supplemental Arrows-A

27f0	27f1	27f2	27f3	27f4											
27f5	27f6	27f7	27f8	27f9	27fa	27fb	27fc	27fd	27fe	27ff					

2900–297F: Supplemental Arrows-B

2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	290a	290b	290c	290d	290e	290f
2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	291a	291b	291c	291d	291e	291f
2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	292a	292b	292c	292d	292e	292f
2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	293a	293b	293c	293d	293e	293f
2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	294a	294b	294c	294d	294e	294f
2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	295a	295b	295c	295d	295e	295f
2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	296a	296b	296c	296d	296e	296f
2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	297a	297b	297c	297d	297e	297f

2980–29FF: Miscellaneous Mathematical Symbols-B

2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	298a	298b	298c	298d	298e	298f
	●	⊙	{	}	(	)	(	)	⟨	⟩	[	]	[	]	[
2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	299a	299b	299c	299d	299e	299f
]	⟨	⟩	⋈	⋈	⋈	⋈	(	)	⋮	⋮	⋈	⋈	⋈	⋈	⋈
29a0	29a1	29a2	29a3	29a4	29a5	29a6	29a7	29a8	29a9	29aa	29ab	29ac	29ad	29ae	29af
⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈
29b0	29b1	29b2	29b3	29b4	29b5	29b6	29b7	29b8	29b9	29ba	29bb	29bc	29bd	29be	29bf
⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘
29c0	29c1	29c2	29c3	29c4	29c5	29c6	29c7	29c8	29c9	29ca	29cb	29cc	29cd	29ce	29cf
⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘
29d0	29d1	29d2	29d3	29d4	29d5	29d6	29d7	29d8	29d9	29da	29db	29dc	29dd	29de	29df
⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘
29e0	29e1	29e2	29e3	29e4	29e5	29e6	29e7	29e8	29e9	29ea	29eb	29ec	29ed	29ee	29ef
⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘
29f0	29f1	29f2	29f3	29f4	29f5	29f6	29f7	29f8	29f9	29fa	29fb	29fc	29fd	29fe	29ff
⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘

2A00–2AFF: Supplemental Mathematical Operators

2a00	2a01	2a02	2a03	2a04	2a05	2a06	2a07	2a08	2a09	2a0a	2a0b	2a0c	2a0d	2a0e	2a0f
2a10	2a11	2a12	2a13	2a14	2a15	2a16	2a17	2a18	2a19	2a1a	2a1b	2a1c	2a1d	2a1e	2a1f
2a20	2a21	2a22	2a23	2a24	2a25	2a26	2a27	2a28	2a29	2a2a	2a2b	2a2c	2a2d	2a2e	2a2f
2a30	2a31	2a32	2a33	2a34	2a35	2a36	2a37	2a38	2a39	2a3a	2a3b	2a3c	2a3d	2a3e	2a3f
2a40	2a41	2a42	2a43	2a44	2a45	2a46	2a47	2a48	2a49	2a4a	2a4b	2a4c	2a4d	2a4e	2a4f
2a50	2a51	2a52	2a53	2a54	2a55	2a56	2a57	2a58	2a59	2a5a	2a5b	2a5c	2a5d	2a5e	2a5f
2a60	2a61	2a62	2a63	2a64	2a65	2a66	2a67	2a68	2a69	2a6a	2a6b	2a6c	2a6d	2a6e	2a6f
2a70	2a71	2a72	2a73	2a74	2a75	2a76	2a77	2a78	2a79	2a7a	2a7b	2a7c	2a7d	2a7e	2a7f
2a80	2a81	2a82	2a83	2a84	2a85	2a86	2a87	2a88	2a89	2a8a	2a8b	2a8c	2a8d	2a8e	2a8f
2a90	2a91	2a92	2a93	2a94	2a95	2a96	2a97	2a98	2a99	2a9a	2a9b	2a9c	2a9d	2a9e	2a9f
2aa0	2aa1	2aa2	2aa3	2aa4	2aa5	2aa6	2aa7	2aa8	2aa9	2aaa	2aab	2aac	2aad	2aae	2aaf
2ab0	2ab1	2ab2	2ab3	2ab4	2ab5	2ab6	2ab7	2ab8	2ab9	2aba	2abb	2abc	2abd	2abe	2abf
2ac0	2ac1	2ac2	2ac3	2ac4	2ac5	2ac6	2ac7	2ac8	2ac9	2aca	2acb	2acc	2acd	2ace	2acf
2ad0	2ad1	2ad2	2ad3	2ad4	2ad5	2ad6	2ad7	2ad8	2ad9	2ada	2adb	2adc	2add	2ade	2adf
2ae0	2ae1	2ae2	2ae3	2ae4	2ae5	2ae6	2ae7	2ae8	2ae9	2aea	2aeb	2aec	2aed	2aee	2aef
2af0	2af1	2af2	2af3	2af4	2af5	2af6	2af7	2af8	2af9	2afa	2afb	2afc	2afd	2afe	2aff

(*) 2a76

2B00–2BFF: Miscellaneous Symbols and Arrows

2b00	2b01	2b02	2b03	2b04	2b05	2b06	2b07	2b08	2b09	2b0a	2b0b	2b0c	2b0d	2b0e	2b0f
2b10	2b11	2b12	2b13	2b14	2b15	2b16	2b17	2b18	2b19	2b1a	2b1b	2b1c	2b1d	2b1e	2b1f
2b20	2b21	2b22	2b23	2b24	2b25	2b26	2b27	2b28	2b29	2b2a	2b2b	2b2c	2b2d	2b2e	2b2f
2b30	2b31	2b32	2b33	2b34	2b35	2b36	2b37	2b38	2b39	2b3a	2b3b	2b3c	2b3d	2b3e	2b3f
2b40	2b41	2b42	2b43	2b44	2b45	2b46	2b47	2b48	2b49	2b4a	2b4b	2b4c	2b4d	2b4e	2b4f
2b50	2b51	2b52	2b53	2b54	2b55	2b56	2b57	2b58	2b59	2b5a	2b5b	2b5c	2b5d	2b5e	2b5f
					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(*) 2b33

3000–303F: CJK Symbols and Punctuation

3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	300a	300b	300c	300d	300e	300f
ND	ND	ND	ND	ND	ND	ND	ND	<	>	<<	>>	ND	ND	ND	ND
3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	301a	301b	301c	301d	301e	301f
【	】	〒	ND	〔	〕	〔	〕	〔	〕	〔	〕	ND	ND	ND	ND
3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	303a	303b	303c	303d	303e	303f
〰	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

3040–309F: Hiragana

3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	306a	306b	306c	306d	306e	306f
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	〰	ND

E000–F8FF: Private Use Area

efd0	efd1	efd2	efd3	efd4	efd5	efd6	efd7	efd8	efd9	efda	efdb	efdc	efdd	efde	efdf
ND	ND	ND	ND	ND	F	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
f630	f631	f632	f633	f634	f635	f636	f637	f638	f639	f63a	f63b	f63c	f63d	f63e	f63f
MN	MN	MN	MN	ND	MN	ND	MN	Ø	MN	MN	MN	MN	MN	MN	MN
f640	f641	f642	f643	f644	f645	f646	f647	f648	f649	f64a	f64b	f64c	f64d	f64e	f64f
MN	MN	MN	0	1	2	3	4	5	6	7	8	9	MN	MN	MN

FB00–FB4F: Alphabetic Presentation Forms

fb00	fb01	fb02	fb03	fb04	fb05	fb06	fb07	fb08	fb09	fb0a	fb0b	fb0c	fb0d	fb0e	fb0f
ff	fi	fl	ff	ff	MN	MN	ND	ND	ND	ND	ND	ND	ND	ND	ND

1D400–1D7FF: Mathematical Alphanumeric Symbols

															1D400–1D433
															Bold
1d400	1d401	1d402	1d403	1d404	1d405	1d406	1d407	1d408	1d409	1d40a	1d40b	1d40c	1d40d	1d40e	1d40f
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1d410	1d411	1d412	1d413	1d414	1d415	1d416	1d417	1d418	1d419	1d41a	1d41b	1d41c	1d41d	1d41e	1d41f
Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f
1d420	1d421	1d422	1d423	1d424	1d425	1d426	1d427	1d428	1d429	1d42a	1d42b	1d42c	1d42d	1d42e	1d42f
g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v
1d430	1d431	1d432	1d433	1d434	1d435	1d436	1d437	1d438	1d439	1d43a	1d43b	1d43c	1d43d	1d43e	1d43f
w	x	y	z	A	B	C	D	E	F	G	H	I	J	K	L
1d440	1d441	1d442	1d443	1d444	1d445	1d446	1d447	1d448	1d449	1d44a	1d44b	1d44c	1d44d	1d44e	1d44f
M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b
1d450	1d451	1d452	1d453	1d454	1d455	1d456	1d457	1d458	1d459	1d45a	1d45b	1d45c	1d45d	1d45e	1d45f
c	d	e	f	g	ND	i	j	k	l	m	n	o	p	q	r
1d460	1d461	1d462	1d463	1d464	1d465	1d466	1d467	1d468	1d469	1d46a	1d46b	1d46c	1d46d	1d46e	1d46f
s	t	u	v	w	x	y	z	A	B	C	D	E	F	G	H
1d470	1d471	1d472	1d473	1d474	1d475	1d476	1d477	1d478	1d479	1d47a	1d47b	1d47c	1d47d	1d47e	1d47f
I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1d480	1d481	1d482	1d483	1d484	1d485	1d486	1d487	1d488	1d489	1d48a	1d48b	1d48c	1d48d	1d48e	1d48f
Y	Z	a	b	c	d	e	f	g	h	i	j	k	l	m	n
1d490	1d491	1d492	1d493	1d494	1d495	1d496	1d497	1d498	1d499	1d49a	1d49b	1d49c	1d49d	1d49e	1d49f
o	p	q	r	s	t	u	v	w	x	y	z	ADD	ND	ADD	ADD
1d530	1d531	1d532	1d533	1d534	1d535	1d536	1d537	1d538	1d539	1d53a	1d53b	1d53c	1d53d	1d53e	1d53f
ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	A	B	ND	D	E	F	G
1d540	1d541	1d542	1d543	1d544	1d545	1d546	1d547	1d548	1d549	1d54a	1d54b	1d54c	1d54d	1d54e	1d54f
I	J	K	L	M	ND	O	ND	ND	ND	S	T	U	V	W	X
1d550	1d551	1d552	1d553	1d554	1d555	1d556	1d557	1d558	1d559	1d55a	1d55b	1d55c	1d55d	1d55e	1d55f
Y	ND	a	b	c	d	e	f	g	h	i	j	k	l	m	n
1d560	1d561	1d562	1d563	1d564	1d565	1d566	1d567	1d568	1d569	1d56a	1d56b	1d56c	1d56d	1d56e	1d56f
o	p	q	r	s	t	u	v	w	x	y	z	ADD	ADD	ADD	ADD
1d6a0	1d6a1	1d6a2	1d6a3	1d6a4	1d6a5	1d6a6	1d6a7	1d6a8	1d6a9	1d6aa	1d6ab	1d6ac	1d6ad	1d6ae	1d6af
ADD	ADD	ADD	ADD	l	j	ND	ND	A	B	Γ	Δ	E	Z	H	Θ
1d6b0	1d6b1	1d6b2	1d6b3	1d6b4	1d6b5	1d6b6	1d6b7	1d6b8	1d6b9	1d6ba	1d6bb	1d6bc	1d6bd	1d6be	1d6bf
I	K	Λ	M	N	Ξ	O	Π	P	Θ	Σ	T	Υ	Φ	X	Ψ
1d6c0	1d6c1	1d6c2	1d6c3	1d6c4	1d6c5	1d6c6	1d6c7	1d6c8	1d6c9	1d6ca	1d6cb	1d6cc	1d6cd	1d6ce	1d6cf
Ω	∇	α	β	γ	δ	ε	ζ	η	θ	ι	κ	λ	μ	ν	ξ
1d6d0	1d6d1	1d6d2	1d6d3	1d6d4	1d6d5	1d6d6	1d6d7	1d6d8	1d6d9	1d6da	1d6db	1d6dc	1d6dd	1d6de	1d6df
o	π	ρ	ς	σ	τ	υ	φ	χ	ψ	ω	ð	ε	ð	κ	φ

1d6e0	1d6e1	1d6e2	1d6e3	1d6e4	1d6e5	1d6e6	1d6e7	1d6e8	1d6e9	1d6ea	1d6eb	1d6ec	1d6ed	1d6ee	1d6ef	1D6E2–1D714 Italic Greek
ϑ	ω	Α	Β	Γ	Δ	Ε	Ζ	Η	Θ	Ι	Κ	Λ	Μ	Ν	Ξ	
1d6f0	1d6f1	1d6f2	1d6f3	1d6f4	1d6f5	1d6f6	1d6f7	1d6f8	1d6f9	1d6fa	1d6fb	1d6fc	1d6fd	1d6fe	1d6ff	
Ο	Π	Ρ	Θ	Σ	Τ	Υ	Φ	Χ	Ψ	Ω	∇	α	β	γ	δ	1D715–1D71B Additional Italic Greek
1d700	1d701	1d702	1d703	1d704	1d705	1d706	1d707	1d708	1d709	1d70a	1d70b	1d70c	1d70d	1d70e	1d70f	
ε	ζ	η	θ	ι	κ	λ	μ	ν	ξ	ο	π	ρ	ς	σ	τ	
1d710	1d711	1d712	1d713	1d714	1d715	1d716	1d717	1d718	1d719	1d71a	1d71b	1d71c	1d71d	1d71e	1d71f	1D74F–1D755 Additional Bold Italic Greek
υ	φ	χ	ψ	ω	δ	ε	θ	κ	φ	ρ	ω	Α	Β	Γ	Δ	
1d720	1d721	1d722	1d723	1d724	1d725	1d726	1d727	1d728	1d729	1d72a	1d72b	1d72c	1d72d	1d72e	1d72f	
Ε	Ζ	Η	Θ	Ι	Κ	Λ	Μ	Ν	Ξ	Ο	Π	Ρ	Θ	Σ	Τ	1D74F–1D755 Additional Bold Italic Greek
1d730	1d731	1d732	1d733	1d734	1d735	1d736	1d737	1d738	1d739	1d73a	1d73b	1d73c	1d73d	1d73e	1d73f	
Υ	Φ	Χ	Ψ	Ω	∇	α	β	γ	δ	ε	ζ	η	θ	ι	κ	
1d740	1d741	1d742	1d743	1d744	1d745	1d746	1d747	1d748	1d749	1d74a	1d74b	1d74c	1d74d	1d74e	1d74f	1D74F–1D755 Additional Bold Italic Greek
λ	μ	ν	ξ	ο	π	ρ	ς	σ	τ	υ	φ	χ	ψ	ω	δ	
1d750	1d751	1d752	1d753	1d754	1d755	1d756	1d757	1d758	1d759	1d75a	1d75b	1d75c	1d75d	1d75e	1d75f	
ε	θ	κ	φ	ρ	ω	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	1D7C3–1D7C9 Additional Sans-serif Italic Bold Greek 1D7CA–1D7CB Additional Bold Greek
1d7c0	1d7c1	1d7c2	1d7c3	1d7c4	1d7c5	1d7c6	1d7c7	1d7c8	1d7c9	1d7ca	1d7cb	1d7cc	1d7cd	1d7ce	1d7cf	
ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	F	F	ND	ND	0	1	
1d7d0	1d7d1	1d7d2	1d7d3	1d7d4	1d7d5	1d7d6	1d7d7	1d7d8	1d7d9	1d7da	1d7db	1d7dc	1d7dd	1d7de	1d7df	1D7CE–1D7FF Digits: 1D7D8–1D7E1 Double-struck
2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	
1d7e0	1d7e1	1d7e2	1d7e3	1d7e4	1d7e5	1d7e6	1d7e7	1d7e8	1d7e9	1d7ea	1d7eb	1d7ec	1d7ed	1d7ee	1d7ef	
8	9	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	

F0000–FFFFD: Supplementary Private Use Area-A

Additional Letters and Letter Variants

f0060	f0061	f0062	f0063	f0064	f0065	f0066	f0067	f0068	f0069	f006a	f006b	f006c	f006d	f006e	f006f	F0000–F03FF Upright Latin and Greek Variants
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	l	ND	ND	ND	
f0420	f0421	f0422	f0423	f0424	f0425	f0426	f0427	f0428	f0429	f042a	f042b	f042c	f042d	f042e	f042f	F0400–F07FF Mathematical Alphanumeric Variants _ F0434–F0467 _ (Text) Italic
ND	ND	1	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
f0430	f0431	f0432	f0433	f0434	f0435	f0436	f0437	f0438	f0439	f043a	f043b	f043c	f043d	f043e	f043f	F0538–F056B Double-struct
ND	ND	ND	ND	A	B	C	D	E	F	G	H	I	J	K	L	
f0440	f0441	f0442	f0443	f0444	f0445	f0446	f0447	f0448	f0449	f044a	f044b	f044c	f044d	f044e	f044f	F06A4–F06A5 (Text) Dotless Italic
M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	
f0450	f0451	f0452	f0453	f0454	f0455	f0456	f0457	f0458	f0459	f045a	f045b	f045c	f045d	f045e	f045f	F06E2–F0714 (Text) Italic Greek
c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	
f0460	f0461	f0462	f0463	f0464	f0465	f0466	f0467	f0468	f0469	f046a	f046b	f046c	f046d	f046e	f046f	F0715–F071B (Text) Additional Italic Greek
s	t	u	v	w	x	y	z	ND	ND	ND	ND	ND	ND	ND	ND	
f0480	f0481	f0482	f0483	f0484	f0485	f0486	f0487	f0488	f0489	f048a	f048b	f048c	f048d	f048e	f048f	F0715–F071B (Text) Additional Italic Greek
ND	ND	ND	ND	ND	ND	ND	ND	g	ND	l	J	ND	ND	ND	ND	
f0530	f0531	f0532	f0533	f0534	f0535	f0536	f0537	f0538	f0539	f053a	f053b	f053c	f053d	f053e	f053f	F0715–F071B (Text) Additional Italic Greek
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	IH	
f0540	f0541	f0542	f0543	f0544	f0545	f0546	f0547	f0548	f0549	f054a	f054b	f054c	f054d	f054e	f054f	F0715–F071B (Text) Additional Italic Greek
ND	ND	ND	ND	M	N	ND	ND	ND	ND	ND	ND	ND	ND	W	ND	
f0550	f0551	f0552	f0553	f0554	f0555	f0556	f0557	f0558	f0559	f055a	f055b	f055c	f055d	f055e	f055f	F0715–F071B (Text) Additional Italic Greek
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	II	J	ND	ND	ND	ND	
f06a0	f06a1	f06a2	f06a3	f06a4	f06a5	f06a6	f06a7	f06a8	f06a9	f06aa	f06ab	f06ac	f06ad	f06ae	f06af	F0715–F071B (Text) Additional Italic Greek
ND	ND	ND	ND	l	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
f06e0	f06e1	f06e2	f06e3	f06e4	f06e5	f06e6	f06e7	f06e8	f06e9	f06ea	f06eb	f06ec	f06ed	f06ee	f06ef	F0715–F071B (Text) Additional Italic Greek
ND	ND	A	B	Γ	Δ	E	Z	H	Θ	I	K	Λ	M	N	Ξ	
f06f0	f06f1	f06f2	f06f3	f06f4	f06f5	f06f6	f06f7	f06f8	f06f9	f06fa	f06fb	f06fc	f06fd	f06fe	f06ff	F0715–F071B (Text) Additional Italic Greek
O	Π	P	ADD	Σ	T	Υ	Φ	X	Ψ	Ω	ADD	α	β	γ	δ	
f0700	f0701	f0702	f0703	f0704	f0705	f0706	f0707	f0708	f0709	f070a	f070b	f070c	f070d	f070e	f070f	F0715–F071B (Text) Additional Italic Greek
ε	ζ	η	θ	ι	κ	λ	μ	ν	ξ	ο	π	ρ	ς	σ	τ	
f0710	f0711	f0712	f0713	f0714	f0715	f0716	f0717	f0718	f0719	f071a	f071b	f071c	f071d	f071e	f071f	F0715–F071B (Text) Additional Italic Greek
υ	φ	χ	ψ	ω	δ	ε	θ	κ	φ	ρ	ω	ND	ND	ND	ND	

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Additional Letters and Letter Variants* continued ...

f0860	f0861	f0862	f0863	f0864	f0865	f0866	f0867	f0868	f0869	f086a	f086b	f086c	f086d	f086e	f086f	F0800–F0B2F Variant Letters and Additional Letters etc. _ F0800–F089F _ (Text) Italic
ND	ND	ND	ND	ND	ND	ND	g	ND	ND	ND	ND	ND	ND	ND	ND	
f0870	f0871	f0872	f0873	f0874	f0875	f0876	f0877	f0878	f0879	f087a	f087b	f087c	f087d	f087e	f087f	
ND	ND	ND	ND	ND	ND	v	w	ND	ND	ND	ND	ND	ND	ND	h	
f0880	f0881	f0882	f0883	f0884	f0885	f0886	f0887	f0888	f0889	f088a	f088b	f088c	f088d	f088e	f088f	
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	h	
f0890	f0891	f0892	f0893	f0894	f0895	f0896	f0897	f0898	f0899	f089a	f089b	f089c	f089d	f089e	f089f	
ND	ND	ND	ℓ	ND	ND	ND	ND	ø	ND	ND	ND	ND	ND	ND	ND	
f08a0	f08a1	f08a2	f08a3	f08a4	f08a5	f08a6	f08a7	f08a8	f08a9	f08aa	f08ab	f08ac	f08ad	f08ae	f08af	_ F08A0–F092F _ (Text) Italic Greek
ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	
f08b0	f08b1	f08b2	f08b3	f08b4	f08b5	f08b6	f08b7	f08b8	f08b9	f08ba	f08bb	f08bc	f08bd	f08be	f08bf	
ND	ND	ND	ND	ND	ND	ND	X	ND	ND	ND	ND	ND	ND	ND	ND	
f08c0	f08c1	f08c2	f08c3	f08c4	f08c5	f08c6	f08c7	f08c8	f08c9	f08ca	f08cb	f08cc	f08cd	f08ce	f08cf	
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	v	ND	ND	
f08e0	f08e1	f08e2	f08e3	f08e4	f08e5	f08e6	f08e7	f08e8	f08e9	f08ea	f08eb	f08ec	f08ed	f08ee	f08ef	
β	θ	ND	ND	ND	ND	ND	ND	ADD	ø	ADD	ς	ADD	F	ADD	ADD	
f08f0	f08f1	f08f2	f08f3	f08f4	f08f5	f08f6	f08f7	f08f8	f08f9	f08fa	f08fb	f08fc	f08fd	f08fe	f08ff	
ADD	ϳ	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
f0900	f0901	f0902	f0903	f0904	f0905	f0906	f0907	f0908	f0909	f090a	f090b	f090c	f090d	f090e	f090f	
ND	ADD	ADD	ADD	ND	ND	ə	ADD	ADD	ADD	ADD	ADD	ND	ND	ND	ND	
f0910	f0911	f0912	f0913	f0914	f0915	f0916	f0917	f0918	f0919	f091a	f091b	f091c	f091d	f091e	f091f	
ADD	ADD	ADD	ADD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	λ	
f0920	f0921	f0922	f0923	f0924	f0925	f0926	f0927	f0928	f0929	f092a	f092b	f092c	f092d	f092e	f092f	
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	λ	
f09b0	f09b1	f09b2	f09b3	f09b4	f09b5	f09b6	f09b7	f09b8	f09b9	f09ba	f09bb	f09bc	f09bd	f09be	f09bf	_ F0980–F0A1F _ Upright Greek
ND	ND	ND	ND	ND	ND	ND	X	ND	ND	ND	ND	ND	ND	ND	ND	
f09e0	f09e1	f09e2	f09e3	f09e4	f09e5	f09e6	f09e7	f09e8	f09e9	f09ea	f09eb	f09ec	f09ed	f09ee	f09ef	
ND	θ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Additional Letters and Letter Variants* continued ...

f0a90	f0a91	f0a92	f0a93	f0a94	f0a95	f0a96	f0a97	f0a98	f0a99	f0a9a	f0a9b	f0a9c	f0a9d	f0a9e	f0a9f	_ F0A90–F0A9F _ Math Italic
ND	ND	ND	<i>ℓ</i>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
f0aa0	f0aa1	f0aa2	f0aa3	f0aa4	f0aa5	f0aa6	f0aa7	f0aa8	f0aa9	f0aaa	f0aab	f0aac	f0aad	f0aae	f0aaf	_ F0AA0–F0B2F _ Math Italic Greek
ND	ND	ND	ND	ND	ND	ND	ND	ND	<i>1</i>	ND	ND	ND	ND	ND	ND	
f0ab0	f0ab1	f0ab2	f0ab3	f0ab4	f0ab5	f0ab6	f0ab7	f0ab8	f0ab9	f0aba	f0abb	f0abc	f0abd	f0abe	f0abf	
ND	ND	ND	ND	ND	<i>Y</i>	ND	<i>X</i>	ND	ND	ND	ND	ND	ND	ND	ND	
f0ae0	f0ae1	f0ae2	f0ae3	f0ae4	f0ae5	f0ae6	f0ae7	f0ae8	f0ae9	f0aea	f0aeb	f0aec	f0aed	f0aee	f0aef	
ADD	<i>ð</i>	ND	ND	ND	ND	ND	ND	ADD	ADD	ADD	ADD	<i>F</i>	<i>F</i>	ADD	ADD	
f0b00	f0b01	f0b02	f0b03	f0b04	f0b05	f0b06	f0b07	f0b08	f0b09	f0b0a	f0b0b	f0b0c	f0b0d	f0b0e	f0b0f	
ND	ND	ADD	ADD	ND	ND	<i>ə</i>	ADD	ADD	ADD	ADD	ADD	ND	ND	ND	ND	
f0b10	f0b11	f0b12	f0b13	f0b14	f0b15	f0b16	f0b17	f0b18	f0b19	f0b1a	f0b1b	f0b1c	f0b1d	f0b1e	f0b1f	
ADD	ADD	ADD	ADD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<i>λ</i>	
f0b20	f0b21	f0b22	f0b23	f0b24	f0b25	f0b26	f0b27	f0b28	f0b29	f0b2a	f0b2b	f0b2c	f0b2d	f0b2e	f0b2f	
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<i>λ</i>	
f1100	f1101	f1102	f1103	f1104	f1105	f1106	f1107	f1108	f1109	f110a	f110b	f110c	f110d	f110e	f110f	F1100–F19FF Additional Math Italic (Latin and Greek)
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<i>h</i>	
f1450	f1451	f1452	f1453	f1454	f1455	f1456	f1457	f1458	f1459	f145a	f145b	f145c	f145d	f145e	f145f	
ND	ND	ND	ND	<i>g</i>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
f1460	f1461	f1462	f1463	f1464	f1465	f1466	f1467	f1468	f1469	f146a	f146b	f146c	f146d	f146e	f146f	
ND	ND	ND	<i>v</i>	<i>w</i>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
f16f0	f16f1	f16f2	f16f3	f16f4	f16f5	f16f6	f16f7	f16f8	f16f9	f16fa	f16fb	f16fc	f16fd	f16fe	f16ff	
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<i>γ</i>	ND	
f1700	f1701	f1702	f1703	f1704	f1705	f1706	f1707	f1708	f1709	f170a	f170b	f170c	f170d	f170e	f170f	
ND	ND	ND	ND	ND	ND	ND	ND	<i>ν</i>	ND	ND	ND	ND	ND	ND	ND	

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Miscellaneous Letters and Letterlike Symbols* _____

f2180	f2181	f2182	f2183	f2184	f2185	f2186	f2187	f2188	f2189	f218a	f218b	f218c	f218d	f218e	f218f
ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND
f2190	f2191	f2192	f2193	f2194	f2195	f2196	f2197	f2198	f2199	f219a	f219b	f219c	f219d	f219e	f219f
ADD		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

_____ *Miscellaneous Mathematical Symbols* _____

f3000	f3001	f3002	f3003	f3004	f3005	f3006	f3007	f3008	f3009	f300a	f300b	f300c	f300d	f300e	f300f
				ADD		ADD	ADD	ADD	ND	ADD	ND		ADD		ADD
f3010	f3011	f3012	f3013	f3014	f3015	f3016	f3017	f3018	f3019	f301a	f301b	f301c	f301d	f301e	f301f
ND	ADD	ADD	ADD	ND	ND	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD		ND
f3020	f3021	f3022	f3023	f3024	f3025	f3026	f3027	f3028	f3029	f302a	f302b	f302c	f302d	f302e	f302f
			ND	ADD	ADD	ADD	ADD	ADD	ND	ND	ADD	ADD	ADD	ADD	ADD

_____ *Geometry Symbols (Angle Symbols etc.)* _____

f3200	f3201	f3202	f3203	f3204	f3205	f3206	f3207	f3208	f3209	f320a	f320b	f320c	f320d	f320e	f320f
									ND	ND	ND	ND	ND	ND	ND

_____ *Junctors* _____

f3400	f3401	f3402	f3403	f3404	f3405	f3406	f3407	f3408	f3409	f340a	f340b	f340c	f340d	f340e	f340f
			ND	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ND	ND	ADD	ADD
f3420	f3421	f3422	f3423	f3424	f3425	f3426	f3427	f3428	f3429	f342a	f342b	f342c	f342d	f342e	f342f
		ADD				ADD		ADD			ND		ND	ADD	ND
f3430	f3431	f3432	f3433	f3434	f3435	f3436	f3437	f3438	f3439	f343a	f343b	f343c	f343d	f343e	f343f
ND	ADD	ADD	ADD	ND	ND			ND	ND	ND	ND			ND	ND

 F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

Relators

f3600	f3601	f3602	f3603	f3604	f3605	f3606	f3607	f3608	f3609	f360a	f360b	f360c	f360d	f360e	f360f
		$\propto$	$\mathbb{I}$	ADD	ADD	ND	ND	ND			ND	ND	ND		
f3610	f3611	f3612	f3613	f3614	f3615	f3616	f3617	f3618	f3619	f361a	f361b	f361c	f361d	f361e	f361f
		ND		$=::$	ND	ND	ND	$\doteq$	$\hat{=}$	$\approx$	$\approx$	$\doteq$	ND	ADD	$\doteq$
f3620	f3621	f3622	f3623	f3624	f3625	f3626	f3627	f3628	f3629	f362a	f362b	f362c	f362d	f362e	f362f
ND	ND	ND	$\gg$	ND		ND	ND	$\supseteq$	$\supseteq$	ADD	ADD	ADD	ADD		$\exists$
f3630	f3631	f3632	f3633	f3634	f3635	f3636	f3637	f3638	f3639	f363a	f363b	f363c	f363d	f363e	f363f
ND	ADD	$\lesssim$	$\gtrsim$	ND	ND	$:$	ND	$\triangleleft$	$\triangleleft$	$\lesssim$	$\lesssim$	$\leqslant$	$\geqslant$	$\gtrsim$	$\gtrsim$

Negated Relators

f3800	f3801	f3802	f3803	f3804	f3805	f3806	f3807	f3808	f3809	f380a	f380b	f380c	f380d	f380e	f380f
ND	ND			ND	ND	ND							ND	ND	ND
f3810	f3811	f3812	f3813	f3814	f3815	f3816	f3817	f3818	f3819	f381a	f381b	f381c	f381d	f381e	f381f
$\nmid$	$\nmid$	ND	ND	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD
f3820	f3821	f3822	f3823	f3824	f3825	f3826	f3827	f3828	f3829	f382a	f382b	f382c	f382d	f382e	f382f
$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$

F0000–FFFFD: Supplementary Private Use Area-A *continued* ...*Arrows*

f3a00	f3a01	f3a02	f3a03	f3a04	f3a05	f3a06	f3a07	f3a08	f3a09	f3a0a	f3a0b	f3a0c	f3a0d	f3a0e	f3a0f
—	ADD			⤵	⤴	ND	ND	↘	↙	ND	ND	ND	ND	ND	
f3a10	f3a11	f3a12	f3a13	f3a14	f3a15	f3a16	f3a17	f3a18	f3a19	f3a1a	f3a1b	f3a1c	f3a1d	f3a1e	f3a1f
=	ADD			ND	ND	↗	↖	↘	↙	ND	ND	ND	ND	ND	
f3a20	f3a21	f3a22	f3a23	f3a24	f3a25	f3a26	f3a27	f3a28	f3a29	f3a2a	f3a2b	f3a2c	f3a2d	f3a2e	f3a2f
↔	ADD	ND	ND	ND	ND	ND	ND	ND	↔	↔	↔	↔	ND	↕	
f3a30	f3a31	f3a32	f3a33	f3a34	f3a35	f3a36	f3a37	f3a38	f3a39	f3a3a	f3a3b	f3a3c	f3a3d	f3a3e	f3a3f
ADD	ADD	ADD	ADD	ADD	ADD	ND	ND	ND	ADD	ADD	ADD	ND	ND	↕	
f3a40	f3a41	f3a42	f3a43	f3a44	f3a45	f3a46	f3a47	f3a48	f3a49	f3a4a	f3a4b	f3a4c	f3a4d	f3a4e	f3a4f
↶	↷	↶	↷	ADD	ADD	ADD	ADD	ADD	ADD	↶	↷	↶	↷	↶	↷
f3a50	f3a51	f3a52	f3a53	f3a54	f3a55	f3a56	f3a57	f3a58	f3a59	f3a5a	f3a5b	f3a5c	f3a5d	f3a5e	f3a5f
ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ND	↔	↔	↔	↔	ADD
f3a60	f3a61	f3a62	f3a63	f3a64	f3a65	f3a66	f3a67	f3a68	f3a69	f3a6a	f3a6b	f3a6c	f3a6d	f3a6e	f3a6f
⌚	ND	ND	ND	ADD	ADD	ADD	ADD	↕	↕	↔	↔	↔	↔	ADD	ADD
f3a70	f3a71	f3a72	f3a73	f3a74	f3a75	f3a76	f3a77	f3a78	f3a79	f3a7a	f3a7b	f3a7c	f3a7d	f3a7e	f3a7f
⌚	ND	ND	ND	ADD	ADD	ADD	ADD	↕	↕	↔	↔	↔	↔	ADD	ADD
f3ad0	f3ad1	f3ad2	f3ad3	f3ad4	f3ad5	f3ad6	f3ad7	f3ad8	f3ad9	f3ada	f3adb	f3adc	f3add	f3ade	f3adf
ND	ND	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	↔	ADD	ND	ND	ADD	ADD
f3ae0	f3ae1	f3ae2	f3ae3	f3ae4	f3ae5	f3ae6	f3ae7	f3ae8	f3ae9	f3aea	f3aeb	f3aec	f3aed	f3aee	f3aef
ND	ND	ADD	ADD	ADD	ADD	ADD	ADD	ADD	ADD	↔	ADD	ADD	ADD	ADD	ADD

Accents, Diacritical Marks, and Overlays

f3c00	f3c01	f3c02	f3c03	f3c04	f3c05	f3c06	f3c07	f3c08	f3c09	f3c0a	f3c0b	f3c0c	f3c0d	f3c0e	f3c0f
ADD	ADD		ADD	ADD	ADD	ND	ND	⌚	ND	ADD	ADD	ADD	ADD	ADD	ADD
f3c10	f3c11	f3c12	f3c13	f3c14	f3c15	f3c16	f3c17	f3c18	f3c19	f3c1a	f3c1b	f3c1c	f3c1d	f3c1e	f3c1f
⌚	⌚	⌚	⌚	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
f3c20	f3c21	f3c22	f3c23	f3c24	f3c25	f3c26	f3c27	f3c28	f3c29	f3c2a	f3c2b	f3c2c	f3c2d	f3c2e	f3c2f
=	⌚	⌚	⌚	⌚	⌚	⌚	ADD	ADD	ADD	ND	ND	ND	ND	ND	ND

F0000–FFFFD: Supplementary Private Use Area-A *continued* ...*Geometric Symbols*

f3d00	f3d01	f3d02	f3d03	f3d04	f3d05	f3d06	f3d07	f3d08	f3d09	f3d0a	f3d0b	f3d0c	f3d0d	f3d0e	f3d0f	F3D00–F3D0F circles
ND							ADD	ND							ND	
f3d10	f3d11	f3d12	f3d13	f3d14	f3d15	f3d16	f3d17	f3d18	f3d19	f3d1a	f3d1b	f3d1c	f3d1d	f3d1e	f3d1f	F3D10–F3D1F squares
ND							ADD	ND							ND	
f3d20	f3d21	f3d22	f3d23	f3d24	f3d25	f3d26	f3d27	f3d28	f3d29	f3d2a	f3d2b	f3d2c	f3d2d	f3d2e	f3d2f	F3D20–F3D2F diamonds
ND							ND	ND							ND	
f3d30	f3d31	f3d32	f3d33	f3d34	f3d35	f3d36	f3d37	f3d38	f3d39	f3d3a	f3d3b	f3d3c	f3d3d	f3d3e	f3d3f	F3D30–F3D3F lozenges
ND							ND	ND							ND	
f3d50	f3d51	f3d52	f3d53	f3d54	f3d55	f3d56	f3d57	f3d58	f3d59	f3d5a	f3d5b	f3d5c	f3d5d	f3d5e	f3d5f	F3D50–F3D5F rectangles_vertical
ND							ND	ND							ND	
f3d60	f3d61	f3d62	f3d63	f3d64	f3d65	f3d66	f3d67	f3d68	f3d69	f3d6a	f3d6b	f3d6c	f3d6d	f3d6e	f3d6f	F3D60–F3D6F rectangles_horizontal
ND							ND	ND							ND	
f3d70	f3d71	f3d72	f3d73	f3d74	f3d75	f3d76	f3d77	f3d78	f3d79	f3d7a	f3d7b	f3d7c	f3d7d	f3d7e	f3d7f	F3D70–F3D7F triangles_up
ND							ND	ND							ND	
f3d80	f3d81	f3d82	f3d83	f3d84	f3d85	f3d86	f3d87	f3d88	f3d89	f3d8a	f3d8b	f3d8c	f3d8d	f3d8e	f3d8f	F3D80–F3D8F triangles_down (high position)
ND							ND	ND							ND	
f3d90	f3d91	f3d92	f3d93	f3d94	f3d95	f3d96	f3d97	f3d98	f3d99	f3d9a	f3d9b	f3d9c	f3d9d	f3d9e	f3d9f	F3D90–F3D9F triangles_down (low position)
ND							ND	ND							ND	
f3da0	f3da1	f3da2	f3da3	f3da4	f3da5	f3da6	f3da7	f3da8	f3da9	f3daa	f3dab	f3dac	f3dad	f3dae	f3daf	F3DA0–F3DAF triangles_left
ND							ND	ND							ND	
f3db0	f3db1	f3db2	f3db3	f3db4	f3db5	f3db6	f3db7	f3db8	f3db9	f3dba	f3dbb	f3dbc	f3dbd	f3dbe	f3dbf	F3DB0–F3DBF triangles_right
ND							ND	ND							ND	
f3dc0	f3dc1	f3dc2	f3dc3	f3dc4	f3dc5	f3dc6	f3dc7	f3dc8	f3dc9	f3dca	f3dcb	f3dcc	f3dcd	f3dce	f3dcf	F3DC0–F3DCF pointers_left
ND							ND	ND							ND	
f3dd0	f3dd1	f3dd2	f3dd3	f3dd4	f3dd5	f3dd6	f3dd7	f3dd8	f3dd9	f3dda	f3ddb	f3ddc	f3ddd	f3dde	f3ddf	F3DD0–F3DDF pointers_right
ND							ND	ND							ND	
f3de0	f3de1	f3de2	f3de3	f3de4	f3de5	f3de6	f3de7	f3de8	f3de9	f3dea	f3deb	f3dec	f3ded	f3dee	f3def	F3DE0–F3DEF parallelograms
ND							ND	ND							ND	

 F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

 Arrow Construction Kit

f4000	f4001	f4002	f4003	f4004	f4005	f4006	f4007	f4008	f4009	f400a	f400b	f400c	f400d	f400e	f400f
—		/	+		--	~		←	⇐	⇐	←	⇐	┌	┐	┐
f4010	f4011	f4012	f4013	f4014	f4015	f4016	f4017	f4018	f4019	f401a	f401b	f401c	f401d	f401e	f401f
↵	↶	↷	↸	⇐	⇐	⇐	⇐	⇐	⇐	↘	↙	↘	↙	↘	↙
f4020	f4021	f4022	f4023	f4024	f4025	f4026	f4027	f4028	f4029	f402a	f402b	f402c	f402d	f402e	f402f
→	⇒	⇒	→	⇒	→	⇒	⇒	→	→	→	→	⇒	⇒	⇒	⇒
f4030	f4031	f4032	f4033	f4034	f4035	f4036	f4037	f4038	f4039	f403a	f403b	f403c	f403d	f403e	f403f
⇒	⇒	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙
f4040	f4041	f4042	f4043	f4044	f4045	f4046	f4047	f4048	f4049	f404a	f404b	f404c	f404d	f404e	f404f
ND	=	=	≡	~	...	...	...	—	=	=	≡	~	...	...	...
f4050	f4051	f4052	f4053	f4054	f4055	f4056	f4057	f4058	f4059	f405a	f405b	f405c	f405d	f405e	f405f
—	=	=	≡	~	~	...	...	ND	/	/	/	/	/	/	/
f4060	f4061	f4062	f4063	f4064	f4065	f4066	f4067	f4068	f4069	f406a	f406b	f406c	f406d	f406e	f406f
ND	≠	≠	≠	≠	≠	≠	≠	ND							
f4070	f4071	f4072	f4073	f4074	f4075	f4076	f4077	f4078	f4079	f407a	f407b	f407c	f407d	f407e	f407f
ND	=	=	≡	~	~	...	...	ND	ND	ND	ND	ND	ND	ND	ND

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Root Symbols (Larger and Extension Glyphs)* _____

f5000	f5001	f5002	f5003	f5004	f5005	f5006	f5007	f5008	f5009	f500a	f500b	f500c	f500d	f500e	f500f
	ADD	ADD	ADD		ADD		ADD		ADD		ADD		ADD		ADD
f5010	f5011	f5012	f5013	f5014	f5015	f5016	f5017	f5018	f5019	f501a	f501b	f501c	f501d	f501e	f501f
	ND		ADD		ADD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

_____ *Arrows and Vertical Bars (Extension Glyphs)* _____

f5100	f5101	f5102	f5103	f5104	f5105	f5106	f5107	f5108	f5109	f510a	f510b	f510c	f510d	f510e	f510f
												ND	ND	ND	ND
f5110	f5111	f5112	f5113	f5114	f5115	f5116	f5117	f5118	f5119	f511a	f511b	f511c	f511d	f511e	f511f
								ND	ND	ND	ND	ND	ND	ND	ND
f5120	f5121	f5122	f5123	f5124	f5125	f5126	f5127	f5128	f5129	f512a	f512b	f512c	f512d	f512e	f512f
ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND

_____ *Horizontal Delimiters (Additional, Wider and Extension Glyphs)* _____

f5200	f5201	f5202	f5203	f5204	f5205	f5206	f5207	f5208	f5209	f520a	f520b	f520c	f520d	f520e	f520f	F5200–F521F extensibles
								ADD	ADD	ADD	ND	ADD	ADD	ADD	ND	
f5220	f5221	f5222	f5223	f5224	f5225	f5226	f5227	f5228	f5229	f522a	f522b	f522c	f522d	f522e	f522f	F5220–F522F top_brace (uni23DE)
ND								ND	ND	ND	ND	ND	ND	ND	ND	
f5230	f5231	f5232	f5233	f5234	f5235	f5236	f5237	f5238	f5239	f523a	f523b	f523c	f523d	f523e	f523f	F5230–F523F bottom_brace (uni23DF)
ND								ND	ND	ND	ND	ND	ND	ND	ND	

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Integrals (Small, Additional Text, and Display Size Glyphs)* _____

f5400	f5401	f5402	f5403	f5404	f5405	f5406	f5407
f5410	f5411	f5412	f5413	f5414	f5415	f5416	f5417
f5420	f5421	f5422	f5423	f5424	f5425	f5426	f5427
							ND
f5428	f5429	f542a	f542b	f542c	f542d	f542e	f542f
ND	ND	ND	ND	ND		ND	ND
f5430	f5431	f5432	f5433	f5434	f5435	f5436	f5437
							ND
f5440	f5441	f5442	f5443	f5444	f5445	f5446	f5447
f5450	f5451	f5452	f5453	f5454	f5455	f5456	f5457
f5460	f5461	f5462	f5463	f5464	f5465	f5466	f5467
					ND	ND	ND
f5470	f5471	f5472	f5473	f5474	f5475	f5476	f5477
					ND	ND	ND

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Big Operators (Additional Text and Display Size Glyphs)* _____

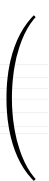
f5808	f5809	f580a	f580b	f580c	f580d	f580e	f580f
f5810	f5811	f5812	f5813	f5814	f5815	f5816	f5817
ND	ND	ND	ND	ND	ND		ND
f5818	f5819	f581a	f581b	f581c	f581d	f581e	f581f
f5820	f5821	f5822	f5823	f5824	f5825	f5826	f5827
		ND	ND				
f5828	f5829	f582a	f582b	f582c	f582d	f582e	f582f
f5830	f5831	f5832	f5833	f5834	f5835	f5836	f5837
		ND		ADD	ADD	ADD	ADD
f5838	f5839	f583a	f583b	f583c	f583d	f583e	f583f
				ADD	ADD	ADD	ADD
f5840	f5841	f5842	f5843	f5844	f5845	f5846	f5847
		ND	ND				ADD
f5848	f5849	f584a	f584b	f584c	f584d	f584e	f584f
							ADD
f5858	f5859	f585a	f585b	f585c	f585d	f585e	f585f
f5868	f5869	f586a	f586b	f586c	f586d	f586e	f586f
		ADD	ADD	ND	ADD	ADD	ND

F0000–FFFFD: Supplementary Private Use Area-A *continued* ...*Accents and Diacritical Marks (Additional and Wider Glyphs)*

f5c00	f5c01	f5c02	f5c03	f5c04	f5c05	f5c06	f5c07	F5C00–F5C0F circumflex / hat (uni0302)
ND								
f5c08	f5c09	f5c0a	f5c0b	f5c0c	f5c0d	f5c0e	f5c0f	
ND		ND		ND	ND	ND	ND	
f5c10	f5c11	f5c12	f5c13	f5c14	f5c15	f5c16	f5c17	F5C10–F5C1F tilde (uni0303)
ND								
f5c18	f5c19	f5c1a	f5c1b	f5c1c	f5c1d	f5c1e	f5c1f	
ND		ND		ND	ND	ND	ND	
f5c20	f5c21	f5c22	f5c23	f5c24	f5c25	f5c26	f5c27	F5C20–F5C2F macron (uni0304)
ND								
f5c28	f5c29	f5c2a	f5c2b	f5c2c	f5c2d	f5c2e	f5c2f	
ND		ND		ND	ND	ND	ND	
f5c30	f5c31	f5c32	f5c33	f5c34	f5c35	f5c36	f5c37	F5C30–F5C3F inverted_breve / arc (uni0311)
ND								
f5c38	f5c39	f5c3a	f5c3b	f5c3c	f5c3d	f5c3e	f5c3f	
ND		ND		ND	ND	ND	ND	
f5c40	f5c41	f5c42	f5c43	f5c44	f5c45	f5c46	f5c47	F5C40–F5C4F right_arrow / vector (uni20D7)
ND								
f5c48	f5c49	f5c4a	f5c4b	f5c4c	f5c4d	f5c4e	f5c4f	
ND		ND		ND	ND	ND	ND	
f5c50	f5c51	f5c52	f5c53	f5c54	f5c55	f5c56	f5c57	F5C50–F5C5F left_arrow / back_vector (uni20D6)
ND								
f5c58	f5c59	f5c5a	f5c5b	f5c5c	f5c5d	f5c5e	f5c5f	
ND		ND		ND	ND	ND	ND	
f5c60	f5c61	f5c62	f5c63	f5c64	f5c65	f5c66	f5c67	F5C60–F5C6F left_right_arrow / double_vector (uni20E1)
ND								
f5c68	f5c69	f5c6a	f5c6b	f5c6c	f5c6d	f5c6e	f5c6f	
ND		ND		ND	ND	ND	ND	
f5c70	f5c71	f5c72	f5c73	f5c74	f5c75	f5c76	f5c77	F5C70–F5C7F parenthesis_accent
f5c78	f5c79	f5c7a	f5c7b	f5c7c	f5c7d	f5c7e	f5c7f	
ND		ND		ND	ND	ND	ND	
f5c80	f5c81	f5c82	f5c83	f5c84	f5c85	f5c86	f5c87	F5C80–F5C8F triangle_accent
f5c88	f5c89	f5c8a	f5c8b	f5c8c	f5c8d	f5c8e	f5c8f	
ND		ND		ND	ND	ND	ND	

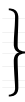
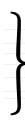
_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters (Additional, Larger and Extension Glyphs)* _____

f6000	f6001	f6002	f6003	f6004	f6005	f6006	f6007	F6000–F601F extensibles
								
f6008	f6009	f600a	f600b	f600c	f600d	f600e	f600f	
ND	ND			ND	ND	ND	ND	
f6010	f6011	f6012	f6013	f6014	f6015	f6016	f6017	F6020–F602F left_paren (uni0028)
								
f6018	f6019	f601a	f601b	f601c	f601d	f601e	f601f	
								
f6020	f6021	f6022	f6023	f6024	f6025	f6026	f6027	F6030–F603F right_paren (uni0029)
ND								
f6028	f6029	f602a	f602b	f602c	f602d	f602e	f602f	
							ND	
f6030	f6031	f6032	f6033	f6034	f6035	f6036	f6037	
ND								

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f6038	f6039	f603a	f603b	f603c	f603d	f603e	f603f	
							ND	
f6040	f6041	f6042	f6043	f6044	f6045	f6046	f6047	F6040–F604F left_brace (uni007B)
ND								
f6050	f6051	f6052	f6053	f6054	f6055	f6056	f6057	F6050–F605F right_brace (uni007D)
ND								
f6060	f6061	f6062	f6063	f6064	f6065	f6066	f6067	F6060–F606F left_bracket (uni005B)
ND								
f6070	f6071	f6072	f6073	f6074	f6075	f6076	f6077	F6070–F607F right_bracket (uni005D)
ND								
f6080	f6081	f6082	f6083	f6084	f6085	f6086	f6087	F6080–F608F left_white_bracket (uni27E6)
ND								
f6090	f6091	f6092	f6093	f6094	f6095	f6096	f6097	F6090–F609F right_white_bracket (uni27E7)
ND								

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

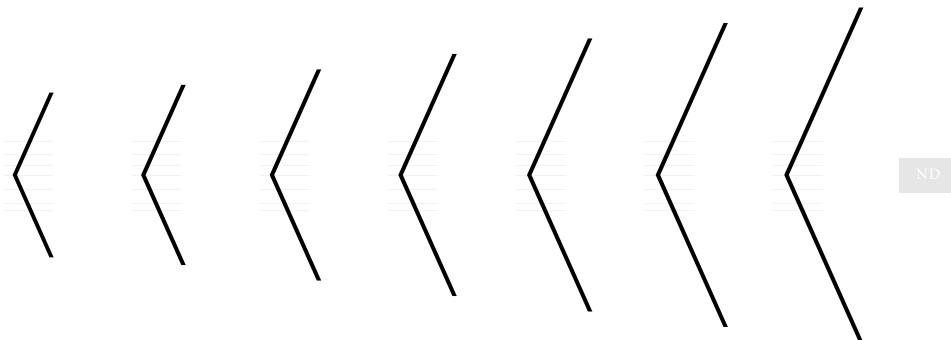
_____ *Delimiters* continued ...

f60a0	f60a1	f60a2	f60a3	f60a4	f60a5	f60a6	f60a7	F60A0–F60BF extensibles
				ND	ND	ND	ND	
f60b0	f60b1	f60b2	f60b3	f60b4	f60b5	f60b6	f60b7	
				ND	ND	ND	ND	
f60b8	f60b9	f60ba	f60bb	f60bc	f60bd	f60be	f60bf	F60C0–F60CF left_floor (uni230A)
				ND	ND	ND	ND	
f60c0	f60c1	f60c2	f60c3	f60c4	f60c5	f60c6	f60c7	
ND								
f60d0	f60d1	f60d2	f60d3	f60d4	f60d5	f60d6	f60d7	F60D0–F60DF right_floor (uni230B)
ND								
f60e0	f60e1	f60e2	f60e3	f60e4	f60e5	f60e6	f60e7	
ND								
f60f0	f60f1	f60f2	f60f3	f60f4	f60f5	f60f6	f60f7	F60F0–F60FF right_ceiling (uni2309)
ND								
f6100	f6101	f6102	f6103	f6104	f6105	f6106	f6107	
ND								

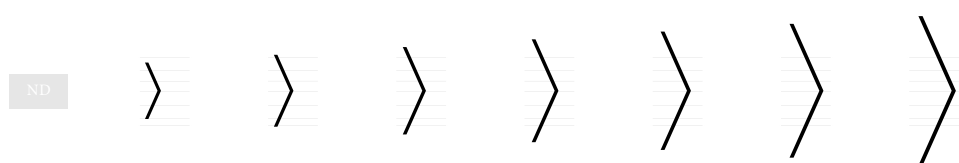
_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f6108 f6109 f610a f610b f610c f610d f610e f610f

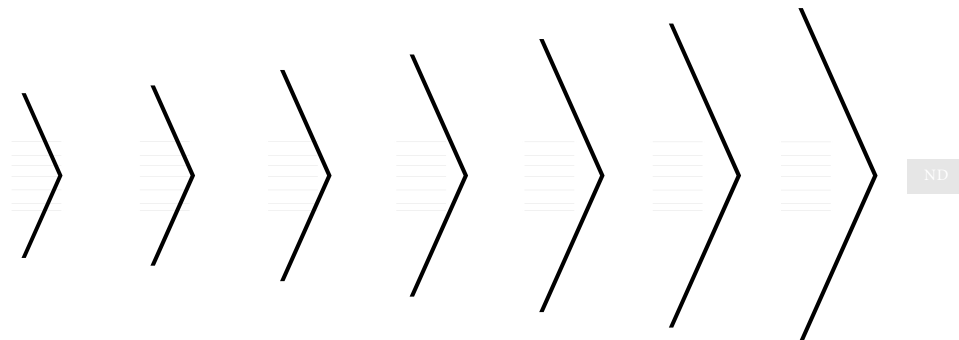


f6110 f6111 f6112 f6113 f6114 f6115 f6116 f6117



F6110–F611F
right_angle_bracket
(uni27E9)

f6118 f6119 f611a f611b f611c f611d f611e f611f

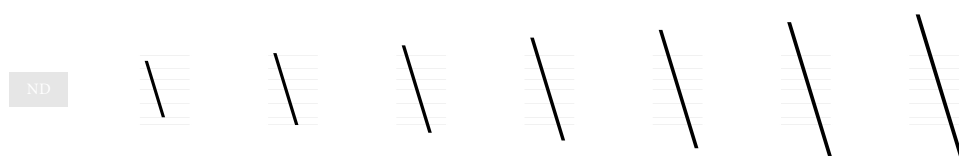


f6120 f6121 f6122 f6123 f6124 f6125 f6126 f6127



F6120–F612F
slash
(uni002F)

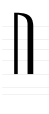
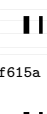
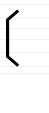
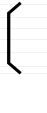
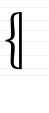
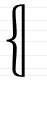
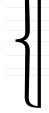
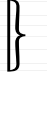
f6130 f6131 f6132 f6133 f6134 f6135 f6136 f6137



F6130–F613F
backslash
(uni005C)

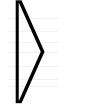
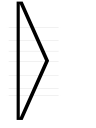
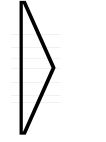
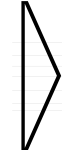
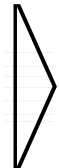
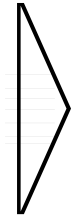
_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f6140	f6141	f6142	f6143	f6144	f6145	f6146	f6147	F6140–F615F extensibles
				ND	ND	ND	ND	
f6148	f6149	f614a	f614b	f614c	f614d	f614e	f614f	
ND	ND			ND	ND	ND	ND	
f6150	f6151	f6152	f6153	f6154	f6155	f6156	f6157	F6160–F616F left_tortoise (uni3014)
				ND	ND	ND	ND	
f6158	f6159	f615a	f615b	f615c	f615d	f615e	f615f	
				ND	ND	ND	ND	
f6160	f6161	f6162	f6163	f6164	f6165	f6166	f6167	F6170–F617F right_tortoise (uni3015)
ND								
f6170	f6171	f6172	f6173	f6174	f6175	f6176	f6177	
ND								
f6180	f6181	f6182	f6183	f6184	f6185	f6186	f6187	F6180–F618F left_multiset (uni2983)
ND								
f6190	f6191	f6192	f6193	f6194	f6195	f6196	f6197	
ND								
f61a0	f61a1	f61a2	f61a3	f61a4	f61a5	f61a6	f61a7	F61A0–F61AF left_triangle_bracket (uni2989)
ND								

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f61a8	f61a9	f61aa	f61ab	f61ac	f61ad	f61ae	f61af	
								
f61b0	f61b1	f61b2	f61b3	f61b4	f61b5	f61b6	f61b7	F61B0–F61BF right_triangle_bracket (uni298A)
								
f61b8	f61b9	f61ba	f61bb	f61bc	f61bd	f61be	f61bf	
								

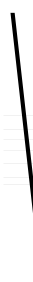
_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f61e0	f61e1	f61e2	f61e3	f61e4	f61e5	f61e6	f61e7	F61E0–F61FF extensibles
				ND	ND	ND	ND	
f61f0	f61f1	f61f2	f61f3	f61f4	f61f5	f61f6	f61f7	
				ND	ND	ND	ND	
f61f8	f61f9	f61fa	f61fb	f61fc	f61fd	f61fe	f61ff	F6200–F620F left_group (uni27EE)
				ND	ND	ND	ND	
f6200	f6201	f6202	f6203	f6204	f6205	f6206	f6207	
ND								
f6210	f6211	f6212	f6213	f6214	f6215	f6216	f6217	F6210–F621F right_group (uni27EF)
ND								
f6220	f6221	f6222	f6223	f6224	f6225	f6226	f6227	
								
f6230	f6231	f6232	f6233	f6234	f6235	f6236	f6237	F6230–F623F right_multiset_group
								
f6240	f6241	f6242	f6243	f6244	f6245	f6246	f6247	
								

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f6248	f6249	f624a	f624b	f624c	f624d	f624e	f624f	
								
f6250	f6251	f6252	f6253	f6254	f6255	f6256	f6257	F6250–F625F right_lcm
								
f6258	f6259	f625a	f625b	f625c	f625d	f625e	f625f	
								
f6260	f6261	f6262	f6263	f6264	f6265	f6266	f6267	F6260–F626F left_gcd
								
f6268	f6269	f626a	f626b	f626c	f626d	f626e	f626f	
								

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f6270	f6271	f6272	f6273	f6274	f6275	f6276	f6277	F6270–F627F right_gcd
								
f6278	f6279	f627a	f627b	f627c	f627d	f627e	f627f	
								

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f6280	f6281	f6282	f6283	f6284	f6285	f6286	f6287	F6280–F629F extensibles
		ADD	ADD	ADD	ADD			
f6290	f6291	f6292	f6293	f6294	f6295	f6296	f6297	
		ADD	ADD	ADD	ADD			
f6298	f6299	f629a	f629b	f629c	f629d	f629e	f629f	
		ADD	ADD	ADD	ADD			
f62a0	f62a1	f62a2	f62a3	f62a4	f62a5	f62a6	f62a7	F62A0–F62AF left_closed_interval / right_open_interval (uni2997)
ND								
f62b0	f62b1	f62b2	f62b3	f62b4	f62b5	f62b6	f62b7	F62B0–F62BF right_closed_interval / left_open_interval (uni2998)
ND								
f6300	f6301	f6302	f6303	f6304	f6305	f6306	f6307	F6300–F630F left_moustache (uni23B0)
ND								
f6310	f6311	f6312	f6313	f6314	f6315	f6316	f6317	F6310–F631F right_moustache (uni23B1)
ND								

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Delimiters* continued ...

f6640	f6641	f6642	f6643	f6644	f6645	f6646	f6647	F6640–F665F extensibles
			ADD	ADD	ADD	ADD	ND	
			ADD	ADD	ADD	ADD	ND	
f6650	f6651	f6652	f6653	f6654	f6655	f6656	f6657	
			ADD	ADD	ADD	ADD	ND	
f6658	f6659	f665a	f665b	f665c	f665d	f665e	f665f	
			ADD	ADD	ADD	ADD	ND	F6660–F666F bar (uni007C)
f6660	f6661	f6662	f6663	f6664	f6665	f6666	f6667	
ND								
f6670	f6671	f6672	f6673	f6674	f6675	f6676	f6677	F6670–F667F double_bar (uni2016)
ND								
f6680	f6681	f6682	f6683	f6684	f6685	f6686	f6687	
ND								F6680–F668F triple_bar (uni2980)

_____ F0000–FFFFD: Supplementary Private Use Area-A *continued* ...

_____ *Glyphs for Compatibility with T_EX and Other Applications* _____

f8000	f8001	f8002	f8003	f8004	f8005	f8006	f8007
		ND	ND	ND	ND	ND	ND
f8010	f8011	f8012	f8013	f8014	f8015	f8016	f8017
		ND	ND	ND	ND	ND	ND
f8018	f8019	f801a	f801b	f801c	f801d	f801e	f801f
		ND	ND	ND	ND	ND	ND

_____ *T_EX Special Characters and Control Characters* _____

ffff0	ffff1	ffff2	ffff3	ffff4	ffff5	ffff6	ffff7	ffff8	ffff9	ffffa	ffffb	ffffc	ffffd	ffffe	fffff
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND



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