

Noto Sans Malayalam Regular

Jelle Bosma - Monotype Design Team (Monotype Imaging Inc.)

Version 2.104

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1 Summary

Unicode characters	467
Glyphs	641
Ligature glyphs	0
Mark glyphs	42
Component glyphs	0

2 Font Metadata

Copyright	Copyright 2022 The Noto Project Authors (https://github.com/notofonts/malayalam)
Family	Noto Sans Malayalam
Subfamily	Regular
Full Name	Noto Sans Malayalam Regular
Version	Version 2.104
PostScript Name	NotoSansMalayalam-Regular
Trademark	Noto is a trademark of Google Inc.
Manufacturer	Monotype Imaging Inc.
Designer	Jelle Bosma - Monotype Design Team
Description	Designed by Monotype design team.
Vendor URL	http://www.google.com/get/noto/
Designer URL	http://www.monotype.com/studio
License	This Font Software is licensed under the SIL Open Font License, Version 1.1. This license is available with a FAQ at: https://scripts.sil.org/OFL
License URL	https://scripts.sil.org/OFL

3 Block

3.1 0000–00FF: Basic Latin, Latin-1 Supplement

	000	001	002	003	004	005	006	007	008	009	00A	00B	00C	00D	00E	00F
0				0	@	P	`	p				°	À	Ð	à	ð
	0000	0010	0020	0030	0040	0050	0060	0070	0080	0090	00A0	00B0	00C0	00D0	00E0	00F0
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3			#	3	C	S	c	s			£		Ã	Ó	ã	ó
	0003	0013	0023	0033	0043	0053	0063	0073	0083	0093	00A3	00B3	00C3	00D3	00E3	00F3
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	0005	0015	0025	0035	0045	0055	0065	0075	0085	0095	00A5	00B5	00C5	00D5	00E5	00F5
6			&	6	F	V	f	v				¶	Æ	Ö	æ	ö
	0006	0016	0026	0036	0046	0056	0066	0076	0086	0096	00A6	00B6	00C6	00D6	00E6	00F6
7			'	7	G	W	g	w			§	·	Ç	×	ç	÷
	0007	0017	0027	0037	0047	0057	0067	0077	0087	0097	00A7	00B7	00C7	00D7	00E7	00F7
8			(8	H	X	h	x			¨	¸	È	Ø	è	ø
	0008	0018	0028	0038	0048	0058	0068	0078	0088	0098	00A8	00B8	00C8	00D8	00E8	00F8
9)	9	I	Y	i	y			©		É	Ù	é	ù
	0009	0019	0029	0039	0049	0059	0069	0079	0089	0099	00A9	00B9	00C9	00D9	00E9	00F9
A			*	:	J	Z	j	z			ª	º	Ê	Ú	ê	ú
	000A	001A	002A	003A	004A	005A	006A	007A	008A	009A	00AA	00BA	00CA	00DA	00EA	00FA
B			+	;	K	[k	{			«	»	Ë	Û	ë	û
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F			/	?	O	_	o				™	¿	Ï	ß	ï	ÿ
	000F	001F	002F	003F	004F	005F	006F	007F	008F	009F	00AF	00BF	00CF	00DF	00EF	00FF

3.2 0100–01FF: Latin Extended-A, Latin Extended-B

	010	011	012	013	014	015	016	017	018	019	01A	01B	01C	01D	01E	01F
0	À 0100	Đ 0110	Ġ 0120	İ 0130		Ō 0150	Š 0160	Ů 0170								
1	ā 0101	đ 0111	ġ 0121	ı 0131	Ł 0141	ō 0151	š 0161	ů 0171								
2	Ā 0102	Ē 0112	Ģ 0122	Ĳ 0132	ł 0142	œ 0152		Ů 0172								
3	ǎ 0103	ē 0113	ġ 0123	ĳ 0133	Ń 0143	œ 0153		ų 0173								
4	Ą 0104				ń 0144	Ŕ 0154	Ť 0164	Ŵ 0174								
5	ą 0105				Ń 0145	ŕ 0155	ť 0165	ŵ 0175								
6	Č 0106	Ě 0116	Ĥ 0126	Ķ 0136	ņ 0146	Ŗ 0156		Ÿ 0176								
7	č 0107	ě 0117	ĥ 0127	ķ 0137	ņ 0147	ŗ 0157		ŷ 0177								
8		Ě 0118			ň 0148	Ř 0158		Ŷ 0178								
9		ě 0119		Ĺ 0139		ř 0159		Ž 0179								
A	Č 010A	Ě 011A	Ī 012A	Ĳ 013A	Ń 014A	Ś 015A	Ū 016A	Ž 017A								
B	č 010B	ě 011B	ī 012B	ķ 013B	ņ 014B	ś 015B	ū 016B	ž 017B								
C	Č 010C			Ĳ 013C	014C	015C	Ū 016C	ž 017C								
D	č 010D			Ĳ 013D	014D	015D	Ū 016D	ž 017D								
E	Đ 010E	Ģ 011E	Ĳ 012E	Ŗ 013E		Š 015E	Ů 016E	ž 017E								
F	đ 010F	ģ 011F	ĳ 012F			š 015F	ů 016F									

3.3 0200–02FF: Latin Extended-B, IPA Extensions, Spacing Modifier Letters

	020	021	022	023	024	025	026	027	028	029	02A	02B	02C	02D	02E	02F
0	0200	0210	0220	0230	0240	0250	0260	0270	0280	0290	02A0	02B0	02C0	02D0	02E0	02F0
1	0201	0211	0221	0231	0241	0251	0261	0271	0281	0291	02A1	02B1	02C1	02D1	02E1	02F1
2	0202	0212	0222	0232	0242	0252	0262	0272	0282	0292	02A2	02B2	02C2	02D2	02E2	02F2
3	0203	0213	0223	0233	0243	0253	0263	0273	0283	0293	02A3	02B3	02C3	02D3	02E3	02F3
4	0204	0214	0224	0234	0244	0254	0264	0274	0284	0294	02A4	02B4	02C4	02D4	02E4	02F4
5	0205	0215	0225	0235	0245	0255	0265	0275	0285	0295	02A5	02B5	02C5	02D5	02E5	02F5
6	0206	0216	0226	0236	0246	0256	0266	0276	0286	0296	02A6	02B6	02C6	02D6	02E6	02F6
7	0207	0217	0227	0237	0247	0257	0267	0277	0287	0297	02A7	02B7	02C7	02D7	02E7	02F7
8	0208	0218	0228	0238	0248	0258	0268	0278	0288	0298	02A8	02B8	02C8	02D8	02E8	02F8
9	0209	0219	0229	0239	0249	0259	0269	0279	0289	0299	02A9	02B9	02C9	02D9	02E9	02F9
A	020A	021A	022A	023A	024A	025A	026A	027A	028A	029A	02AA	02BA	02CA	02DA	02EA	02FA
B	020B	021B	022B	023B	024B	025B	026B	027B	028B	029B	02AB	02BB	02CB	02DB	02EB	02FB
C	020C	021C	022C	023C	024C	025C	026C	027C	028C	029C	02AC	02BC	02CC	02DC	02EC	02FC
D	020D	021D	022D	023D	024D	025D	026D	027D	028D	029D	02AD	02BD	02CD	02DD	02ED	02FD
E	020E	021E	022E	023E	024E	025E	026E	027E	028E	029E	02AE	02BE	02CE	02DE	02EE	02FE
F	020F	021F	022F	023F	024F	025F	026F	027F	028F	029F	02AF	02BF	02CF	02DF	02EF	02FF

3.4 0300–03FF: Combining Diacritical Marks, Greek and Coptic

	030	031	032	033	034	035	036	037	038	039	03A	03B	03C	03D	03E	03F
0	0300	0310	0320	0330	0340	0350	0360	0370	0380	0390	03A0	03B0	03C0	03D0	03E0	03F0
1	0301	0311	0321	0331	0341	0351	0361	0371	0381	0391	03A1	03B1	03C1	03D1	03E1	03F1
2	0302	0312	0322	0332	0342	0352	0362	0372	0382	0392	03A2	03B2	03C2	03D2	03E2	03F2
3	0303	0313	0323	0333	0343	0353	0363	0373	0383	0393	03A3	03B3	03C3	03D3	03E3	03F3
4	0304	0314	0324	0334	0344	0354	0364	0374	0384	0394	03A4	03B4	03C4	03D4	03E4	03F4
5	0305	0315	0325	0335	0345	0355	0365	0375	0385	0395	03A5	03B5	03C5	03D5	03E5	03F5
6	0306	0316	0326	0336	0346	0356	0366	0376	0386	0396	03A6	03B6	03C6	03D6	03E6	03F6
7	0307	0317	0327	0337	0347	0357	0367	0377	0387	0397	03A7	03B7	03C7	03D7	03E7	03F7
8	0308	0318	0328	0338	0348	0358	0368	0378	0388	0398	03A8	03B8	03C8	03D8	03E8	03F8
9	0309	0319	0329	0339	0349	0359	0369	0379	0389	0399	03A9	03B9	03C9	03D9	03E9	03F9
A	030A	031A	032A	033A	034A	035A	036A	037A	038A	039A	03AA	03BA	03CA	03DA	03EA	03FA
B	030B	031B	032B	033B	034B	035B	036B	037B	038B	039B	03AB	03BB	03CB	03DB	03EB	03FB
C	030C	031C	032C	033C	034C	035C	036C	037C	038C	039C	03AC	03BC	03CC	03DC	03EC	03FC
D	030D	031D	032D	033D	034D	035D	036D	037D	038D	039D	03AD	03BD	03CD	03DD	03ED	03FD
E	030E	031E	032E	033E	034E	035E	036E	037E	038E	039E	03AE	03BE	03CE	03DE	03EE	03FE
F	030F	031F	032F	033F	034F	035F	036F	037F	038F	039F	03AF	03BF	03CF	03DF	03EF	03FF

3.5 0900–09FF: Devanagari, Bengali

	090	091	092	093	094	095	096	097	098	099	09A	09B	09C	09D	09E	09F
0	0900	0910	0920	0930	0940	0950	0960	0970	0980	0990	09A0	09B0	09C0	09D0	09E0	09F0
1	0901	0911	0921	0931	0941	0951	0961	0971	0981	0991	09A1	09B1	09C1	09D1	09E1	09F1
2	0902	0912	0922	0932	0942	0952	0962	0972	0982	0992	09A2	09B2	09C2	09D2	09E2	09F2
3	0903	0913	0923	0933	0943	0953	0963	0973	0983	0993	09A3	09B3	09C3	09D3	09E3	09F3
4	0904	0914	0924	0934	0944	0954	0964	0974	0984	0994	09A4	09B4	09C4	09D4	09E4	09F4
5	0905	0915	0925	0935	0945	0955	0965	0975	0985	0995	09A5	09B5	09C5	09D5	09E5	09F5
6	0906	0916	0926	0936	0946	0956	0966	0976	0986	0996	09A6	09B6	09C6	09D6	09E6	09F6
7	0907	0917	0927	0937	0947	0957	0967	0977	0987	0997	09A7	09B7	09C7	09D7	09E7	09F7
8	0908	0918	0928	0938	0948	0958	0968	0978	0988	0998	09A8	09B8	09C8	09D8	09E8	09F8
9	0909	0919	0929	0939	0949	0959	0969	0979	0989	0999	09A9	09B9	09C9	09D9	09E9	09F9
A	090A	091A	092A	093A	094A	095A	096A	097A	098A	099A	09AA	09BA	09CA	09DA	09EA	09FA
B	090B	091B	092B	093B	094B	095B	096B	097B	098B	099B	09AB	09BB	09CB	09DB	09EB	09FB
C	090C	091C	092C	093C	094C	095C	096C	097C	098C	099C	09AC	09BC	09CC	09DC	09EC	09FC
D	090D	091D	092D	093D	094D	095D	096D	097D	098D	099D	09AD	09BD	09CD	09DD	09ED	09FD
E	090E	091E	092E	093E	094E	095E	096E	097E	098E	099E	09AE	09BE	09CE	09DE	09EE	09FE
F	090F	091F	092F	093F	094F	095F	096F	097F	098F	099F	09AF	09BF	09CF	09DF	09EF	09FF

3.6 0D00–0DFF: Malayalam, Sinhala

	0D0	0D1	0D2	0D3	0D4	0D5	0D6	0D7	0D8	0D9	0DA	0DB	0DC	0DD	0DE	0DF
0	ൠ 0D00	ഐ 0D10	ഠ 0D20	ര 0D30	ീ 0D40	0D50	ഋ 0D60	ഗ 0D70	0D80	0D90	0DA0	0DB0	0DC0	0DD0	0DE0	0DF0
1	ൡ 0D01	0D11	ഡ 0D21	റ 0D31	ു 0D41		ൠ 0D61	ന 0D71								
2	ഊ 0D02	ഓ 0D12	ഌ 0D22	ല 0D32	ൂ 0D42	0D52	ൡ 0D62	ൢ 0D72	0D82	0D92	0DA2	0DB2	0DC2	0DD2	0DE2	0DF2
3	ഋ 0D03	ള 0D13	ൠ 0D23	ള 0D33	്യ 0D43		ൣ 0D63	൤ 0D73								
4	൥ 0D04	ഴ 0D14	ത 0D24	ഴ 0D34	൦ 0D44	0D54	0D64	൦ 0D74	0D84	0D94	0DA4	0DB4	0DC4	0DD4	0DE4	0DF4
5	അ 0D05	ക 0D15	ഥ 0D25	വ 0D35	0D45			ൡ 0D75								
6	ആ 0D06	ഖ 0D16	ദ 0D26	ശ 0D36	െ 0D46	0D56	ൢ 0D66	ൣ 0D76	0D86	0D96	0DA6	0DB6	0DC6	0DD6	0DE6	0DF6
7	ഇ 0D07	ഗ 0D17	ധ 0D27	ഷ 0D37	ഓ 0D47	൦ 0D57	൥ 0D67	൦ 0D77								
8	ഈ 0D08	ഘ 0D18	ന 0D28	സ 0D38	ൈ 0D48	0D58	൦ 0D68	൦ 0D78	0D88	0D98	0DA8	0DB8	0DC8	0DD8	0DE8	0DF8
9	ഉ 0D09	ങ 0D19	ണ 0D29	ഹ 0D39	0D49	ൡ 0D59	൦ 0D69	ൡ 0D79								
A	ഊ 0D0A	ച 0D1A	പ 0D2A	ഛ 0D3A	ഓ 0D4A	ൡ 0D5A	ൡ 0D6A	ൢ 0D7A	0D8A	0D9A	0DAA	0DBA	0DCA	0DDA	0DEA	0DFA
B	ഋ 0D0B	ൠ 0D1B	ഫ 0D2B	ൡ 0D3B	ഓ 0D4B	ൡ 0D5B	ൢ 0D6B	ൣ 0D7B								
C	ൡ 0D0C	ജ 0D1C	ബ 0D2C	ൡ 0D3C	ൡ 0D4C	ൡ 0D5C	ൣ 0D6C	ൣ 0D7C	0D8C	0D9C	0DAC	0DBC	0DCC	0DDC	0DEC	0DFC
D	0D0D	ഡ 0D1D	ഭ 0D2D	ൡ 0D3D	ൡ 0D4D	ൡ 0D5D	ൣ 0D6D	ൣ 0D7D								
E	എ 0D0E	ൡ 0D1E	മ 0D2E	ൡ 0D3E	ൡ 0D4E	ൡ 0D5E	ൣ 0D6E	ൣ 0D7E	0D8E	0D9E	0DAE	0DBE	0DCE	0DDE	0DEE	0DFE
F	ഏ 0D0F	ൡ 0D1F	യ 0D2F	ൡ 0D3F	ൡ 0D4F	ൡ 0D5F	ൣ 0D6F	ൣ 0D7F								

3.7 1C00–1CFF: Lepcha, Ol Chiki, Cyrillic Extended-C, Georgian Extended, Sundanese Supplement, Vedic Extensions

	1C0	1C1	1C2	1C3	1C4	1C5	1C6	1C7	1C8	1C9	1CA	1CB	1CC	1CD	1CE	1CF
0	1C00	1C10	1C20	1C30	1C40	1C50	1C60	1C70	1C80	1C90	1CA0	1CB0	1CC0	1CD0	1CE0	1CF0
1	1C01	1C11	1C21	1C31	1C41	1C51	1C61	1C71	1C81	1C91	1CA1	1CB1	1CC1	1CD1	1CE1	1CF1
2	1C02	1C12	1C22	1C32	1C42	1C52	1C62	1C72	1C82	1C92	1CA2	1CB2	1CC2	1CD2	1CE2	1CF2
3	1C03	1C13	1C23	1C33	1C43	1C53	1C63	1C73	1C83	1C93	1CA3	1CB3	1CC3	1CD3	1CE3	1CF3
4	1C04	1C14	1C24	1C34	1C44	1C54	1C64	1C74	1C84	1C94	1CA4	1CB4	1CC4	1CD4	1CE4	1CF4
5	1C05	1C15	1C25	1C35	1C45	1C55	1C65	1C75	1C85	1C95	1CA5	1CB5	1CC5	1CD5	1CE5	1CF5
6	1C06	1C16	1C26	1C36	1C46	1C56	1C66	1C76	1C86	1C96	1CA6	1CB6	1CC6	1CD6	1CE6	1CF6
7	1C07	1C17	1C27	1C37	1C47	1C57	1C67	1C77	1C87	1C97	1CA7	1CB7	1CC7	1CD7	1CE7	1CF7
8	1C08	1C18	1C28	1C38	1C48	1C58	1C68	1C78	1C88	1C98	1CA8	1CB8	1CC8	1CD8	1CE8	1CF8
9	1C09	1C19	1C29	1C39	1C49	1C59	1C69	1C79	1C89	1C99	1CA9	1CB9	1CC9	1CD9	1CE9	1CF9
A	1C0A	1C1A	1C2A	1C3A	1C4A	1C5A	1C6A	1C7A	1C8A	1C9A	1CAA	1CBA	1CCA	1CDA	1CEA	1CFA
B	1C0B	1C1B	1C2B	1C3B	1C4B	1C5B	1C6B	1C7B	1C8B	1C9B	1CAB	1CBB	1CCB	1CDB	1CEB	1CFB
C	1C0C	1C1C	1C2C	1C3C	1C4C	1C5C	1C6C	1C7C	1C8C	1C9C	1CAC	1CBC	1CCC	1CDC	1CEC	1CFC
D	1C0D	1C1D	1C2D	1C3D	1C4D	1C5D	1C6D	1C7D	1C8D	1C9D	1CAD	1CBD	1CCD	1CDD	1CED	1CFD
E	1C0E	1C1E	1C2E	1C3E	1C4E	1C5E	1C6E	1C7E	1C8E	1C9E	1CAE	1CBE	1CCE	1CDE	1CEE	1CFE
F	1C0F	1C1F	1C2F	1C3F	1C4F	1C5F	1C6F	1C7F	1C8F	1C9F	1CAF	1CBF	1CCF	1CDF	1CEF	1CFF

3.8 1E00–1EFF: Latin Extended Additional

	1E0	1E1	1E2	1E3	1E4	1E5	1E6	1E7	1E8	1E9	1EA	1EB	1EC	1ED	1EE	1EF
0	1E00	1E10	1E20	1E30	1E40	1E50	1E60	1E70	Ŵ 1E80	1E90	1EA0	1EB0	1EC0	1ED0	1EE0	1EF0
1	1E01	1E11	1E21	1E31	1E41	1E51	1E61	1E71	ŵ 1E81	1E91	1EA1	1EB1	1EC1	1ED1	1EE1	1EF1
2	1E02	1E12	1E22	1E32	1E42	1E52	1E62	1E72	Ŷ 1E82	1E92	1EA2	1EB2	1EC2	1ED2	1EE2	Ÿ 1EF2
3	1E03	1E13	1E23	1E33	1E43	1E53	1E63	1E73	ŷ 1E83	1E93	1EA3	1EB3	1EC3	1ED3	1EE3	1EF3
4	1E04	1E14	1E24	1E34	1E44	1E54	1E64	1E74	Ź 1E84	1E94	1EA4	1EB4	1EC4	1ED4	1EE4	1EF4
5	1E05	1E15	1E25	1E35	1E45	1E55	1E65	1E75	ż 1E85	1E95	1EA5	1EB5	1EC5	1ED5	1EE5	1EF5
6	1E06	1E16	1E26	1E36	1E46	1E56	1E66	1E76	1E86	1E96	1EA6	1EB6	1EC6	1ED6	1EE6	1EF6
7	1E07	1E17	1E27	1E37	1E47	1E57	1E67	1E77	1E87	1E97	1EA7	1EB7	1EC7	1ED7	1EE7	1EF7
8	1E08	1E18	1E28	1E38	1E48	1E58	1E68	1E78	1E88	1E98	1EA8	1EB8	1EC8	1ED8	1EE8	1EF8
9	1E09	1E19	1E29	1E39	1E49	1E59	1E69	1E79	1E89	1E99	1EA9	1EB9	1EC9	1ED9	1EE9	1EF9
A	1E0A	1E1A	1E2A	1E3A	1E4A	1E5A	1E6A	1E7A	1E8A	1E9A	1EAA	1EBA	1ECA	1EDA	1EEA	1EFA
B	1E0B	1E1B	1E2B	1E3B	1E4B	1E5B	1E6B	1E7B	1E8B	1E9B	1EAB	1EBB	1ECB	1EDB	1EEB	1EFB
C	1E0C	1E1C	1E2C	1E3C	1E4C	1E5C	1E6C	1E7C	1E8C	1E9C	1EAC	1EBC	1ECC	1EDC	1EEC	1EFC
D	1E0D	1E1D	1E2D	1E3D	1E4D	1E5D	1E6D	1E7D	1E8D	1E9D	1EAD	1EBD	1ECD	1EDD	1EED	1EFD
E	1E0E	1E1E	1E2E	1E3E	1E4E	1E5E	1E6E	1E7E	1E8E	ß 1E9E	1EAE	1EBE	1ECE	1EDE	1EEE	1EFE
F	1E0F	1E1F	1E2F	1E3F	1E4F	1E5F	1E6F	1E7F	1E8F	1E9F	1EAF	1EBF	1ECF	1EDF	1EEF	1EFF

3.9 2000–20FF: General Punctuation, Superscripts and Subscripts, Currency Symbols, Combining Diacritical Marks for Symbols

	200	201	202	203	204	205	206	207	208	209	20A	20B	20C	20D	20E	20F
0	2000	2010	2020	2030	2040	2050	2060	2070	2080	2090	20A0	20B0	20C0	20D0	20E0	20F0
1	2001	2011	2021	2031	2041	2051	2061	2071	2081	2091	20A1	20B1	20C1	20D1	20E1	20F1
2	2002	2012	2022	2032	2042	2052	2062	2072	2082	2092	20A2	20B2	20C2	20D2	20E2	20F2
3	2003	2013	2023	2033	2043	2053	2063	2073	2083	2093	20A3	20B3	20C3	20D3	20E3	20F3
4	2004	2014	2024	2034	2044	2054	2064	2074	2084	2094	20A4	20B4	20C4	20D4	20E4	20F4
5	2005	2015	2025	2035	2045	2055	2065	2075	2085	2095	20A5	20B5	20C5	20D5	20E5	20F5
6	2006	2016	2026	2036	2046	2056	2066	2076	2086	2096	20A6	20B6	20C6	20D6	20E6	20F6
7	2007	2017	2027	2037	2047	2057	2067	2077	2087	2097	20A7	20B7	20C7	20D7	20E7	20F7
8	2008	2018	2028	2038	2048	2058	2068	2078	2088	2098	20A8	20B8	20C8	20D8	20E8	20F8
9	2009	2019	2029	2039	2049	2059	2069	2079	2089	2099	20A9	20B9	20C9	20D9	20E9	20F9
A	200A	201A	202A	203A	204A	205A	206A	207A	208A	209A	20AA	20BA	20CA	20DA	20EA	20FA
B	200B	201B	202B	203B	204B	205B	206B	207B	208B	209B	20AB	20BB	20CB	20DB	20EB	20FB
C	200C	201C	202C	203C	204C	205C	206C	207C	208C	209C	20AC	20BC	20CC	20DC	20EC	20FC
D	200D	201D	202D	203D	204D	205D	206D	207D	208D	209D	20AD	20BD	20CD	20DD	20ED	20FD
E	200E	201E	202E	203E	204E	205E	206E	207E	208E	209E	20AE	20BE	20CE	20DE	20EE	20FE
F	200F	201F	202F	203F	204F	205F	206F	207F	208F	209F	20AF	20BF	20CF	20DF	20EF	20FF

3.10 2100–21FF: Letterlike Symbols, Number Forms, Arrows

	210	211	212	213	214	215	216	217	218	219	21A	21B	21C	21D	21E	21F
0	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	21A0	21B0	21C0	21D0	21E0	21F0
1	2101	2111	2121	2131	2141	2151	2161	2171	2181	2191	21A1	21B1	21C1	21D1	21E1	21F1
2	2102	2112	TM2122	2132	2142	2152	2162	2172	2182	2192	21A2	21B2	21C2	21D2	21E2	21F2
3	2103	2113	2123	2133	2143	2153	2163	2173	2183	2193	21A3	21B3	21C3	21D3	21E3	21F3
4	2104	2114	2124	2134	2144	2154	2164	2174	2184	2194	21A4	21B4	21C4	21D4	21E4	21F4
5	2105	2115	2125	2135	2145	2155	2165	2175	2185	2195	21A5	21B5	21C5	21D5	21E5	21F5
6	2106	2116	2126	2136	2146	2156	2166	2176	2186	2196	21A6	21B6	21C6	21D6	21E6	21F6
7	2107	2117	2127	2137	2147	2157	2167	2177	2187	2197	21A7	21B7	21C7	21D7	21E7	21F7
8	2108	2118	2128	2138	2148	2158	2168	2178	2188	2198	21A8	21B8	21C8	21D8	21E8	21F8
9	2109	2119	2129	2139	2149	2159	2169	2179	2189	2199	21A9	21B9	21C9	21D9	21E9	21F9
A	210A	211A	212A	213A	214A	215A	216A	217A	218A	219A	21AA	21BA	21CA	21DA	21EA	21FA
B	210B	211B	212B	213B	214B	215B	216B	217B	218B	219B	21AB	21BB	21CB	21DB	21EB	21FB
C	210C	211C	212C	213C	214C	215C	216C	217C	218C	219C	21AC	21BC	21CC	21DC	21EC	21FC
D	210D	211D	212D	213D	214D	215D	216D	217D	218D	219D	21AD	21BD	21CD	21DD	21ED	21FD
E	210E	211E	212E	213E	214E	215E	216E	217E	218E	219E	21AE	21BE	21CE	21DE	21EE	21FE
F	210F	211F	212F	213F	214F	215F	216F	217F	218F	219F	21AF	21BF	21CF	21DF	21EF	21FF

3.11 2200–22FF: Mathematical Operators

	220	221	222	223	224	225	226	227	228	229	22A	22B	22C	22D	22E	22F
0	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	22A0	22B0	22C0	22D0	22E0	22F0
1	2201	2211	2221	2231	2241	2251	2261	2271	2281	2291	22A1	22B1	22C1	22D1	22E1	22F1
2	2202	2212	2222	2232	2242	2252	2262	2272	2282	2292	22A2	22B2	22C2	22D2	22E2	22F2
3	2203	2213	2223	2233	2243	2253	2263	2273	2283	2293	22A3	22B3	22C3	22D3	22E3	22F3
4	2204	2214	2224	2234	2244	2254	2264	2274	2284	2294	22A4	22B4	22C4	22D4	22E4	22F4
5	2205	2215	2225	2235	2245	2255	2265	2275	2285	2295	22A5	22B5	22C5	22D5	22E5	22F5
6	2206	2216	2226	2236	2246	2256	2266	2276	2286	2296	22A6	22B6	22C6	22D6	22E6	22F6
7	2207	2217	2227	2237	2247	2257	2267	2277	2287	2297	22A7	22B7	22C7	22D7	22E7	22F7
8	2208	2218	2228	2238	2248	2258	2268	2278	2288	2298	22A8	22B8	22C8	22D8	22E8	22F8
9	2209	2219	2229	2239	2249	2259	2269	2279	2289	2299	22A9	22B9	22C9	22D9	22E9	22F9
A	220A	221A	222A	223A	224A	225A	226A	227A	228A	229A	22AA	22BA	22CA	22DA	22EA	22FA
B	220B	221B	222B	223B	224B	225B	226B	227B	228B	229B	22AB	22BB	22CB	22DB	22EB	22FB
C	220C	221C	222C	223C	224C	225C	226C	227C	228C	229C	22AC	22BC	22CC	22DC	22EC	22FC
D	220D	221D	222D	223D	224D	225D	226D	227D	228D	229D	22AD	22BD	22CD	22DD	22ED	22FD
E	220E	221E	222E	223E	224E	225E	226E	227E	228E	229E	22AE	22BE	22CE	22DE	22EE	22FE
F	220F	221F	222F	223F	224F	225F	226F	227F	228F	229F	22AF	22BF	22CF	22DF	22EF	22FF

3.12 2500–25FF: Box Drawing, Block Elements, Geometric Shapes

	250	251	252	253	254	255	256	257	258	259	25A	25B	25C	25D	25E	25F
0	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	25A0	25B0	25C0	25D0	25E0	25F0
1	2501	2511	2521	2531	2541	2551	2561	2571	2581	2591	25A1	25B1	25C1	25D1	25E1	25F1
2	2502	2512	2522	2532	2542	2552	2562	2572	2582	2592	25A2	25B2	25C2	25D2	25E2	25F2
3	2503	2513	2523	2533	2543	2553	2563	2573	2583	2593	25A3	25B3	25C3	25D3	25E3	25F3
4	2504	2514	2524	2534	2544	2554	2564	2574	2584	2594	25A4	25B4	25C4	25D4	25E4	25F4
5	2505	2515	2525	2535	2545	2555	2565	2575	2585	2595	25A5	25B5	25C5	25D5	25E5	25F5
6	2506	2516	2526	2536	2546	2556	2566	2576	2586	2596	25A6	25B6	25C6	25D6	25E6	25F6
7	2507	2517	2527	2537	2547	2557	2567	2577	2587	2597	25A7	25B7	25C7	25D7	25E7	25F7
8	2508	2518	2528	2538	2548	2558	2568	2578	2588	2598	25A8	25B8	25C8	25D8	25E8	25F8
9	2509	2519	2529	2539	2549	2559	2569	2579	2589	2599	25A9	25B9	25C9	25D9	25E9	25F9
A	250A	251A	252A	253A	254A	255A	256A	257A	258A	259A	25AA	25BA	25CA	25DA	25EA	25FA
B	250B	251B	252B	253B	254B	255B	256B	257B	258B	259B	25AB	25BB	25CB	25DB	25EB	25FB
C	250C	251C	252C	253C	254C	255C	256C	257C	258C	259C	25AC	25BC	25CC	25DC	25EC	25FC
D	250D	251D	252D	253D	254D	255D	256D	257D	258D	259D	25AD	25BD	25CD	25DD	25ED	25FD
E	250E	251E	252E	253E	254E	255E	256E	257E	258E	259E	25AE	25BE	25CE	25DE	25EE	25FE
F	250F	251F	252F	253F	254F	255F	256F	257F	258F	259F	25AF	25BF	25CF	25DF	25EF	25FF

3.13 A800–A8FF: Syloti Nagri, Common Indic Number Forms, Phags-pa, Saurashtra, Devanagari Extended

	A80	A81	A82	A83	A84	A85	A86	A87	A88	A89	A8A	A8B	A8C	A8D	A8E	A8F
0	A800	A810	A820	I A830	A840	A850	A860	A870	A880	A890	A8A0	A8B0	A8C0	A8D0	A8E0	A8F0
1	A801	A811	A821	II A831	A841	A851	A861	A871	A881	A891	A8A1	A8B1	A8C1	A8D1	A8E1	A8F1
2	A802	A812	A822	III A832	A842	A852	A862	A872	A882	A892	A8A2	A8B2	A8C2	A8D2	A8E2	A8F2
3	A803	A813	A823	A833	A843	A853	A863	A873	A883	A893	A8A3	A8B3	A8C3	A8D3	A8E3	A8F3
4	A804	A814	A824	A834	A844	A854	A864	A874	A884	A894	A8A4	A8B4	A8C4	A8D4	A8E4	A8F4
5	A805	A815	A825	A835	A845	A855	A865	A875	A885	A895	A8A5	A8B5	A8C5	A8D5	A8E5	A8F5
6	A806	A816	A826	A836	A846	A856	A866	A876	A886	A896	A8A6	A8B6	A8C6	A8D6	A8E6	A8F6
7	A807	A817	A827	A837	A847	A857	A867	A877	A887	A897	A8A7	A8B7	A8C7	A8D7	A8E7	A8F7
8	A808	A818	A828	A838	A848	A858	A868	A878	A888	A898	A8A8	A8B8	A8C8	A8D8	A8E8	A8F8
9	A809	A819	A829	A839	A849	A859	A869	A879	A889	A899	A8A9	A8B9	A8C9	A8D9	A8E9	A8F9
A	A80A	A81A	A82A	A83A	A84A	A85A	A86A	A87A	A88A	A89A	A8AA	A8BA	A8CA	A8DA	A8EA	A8FA
B	A80B	A81B	A82B	A83B	A84B	A85B	A86B	A87B	A88B	A89B	A8AB	A8BB	A8CB	A8DB	A8EB	A8FB
C	A80C	A81C	A82C	A83C	A84C	A85C	A86C	A87C	A88C	A89C	A8AC	A8BC	A8CC	A8DC	A8EC	A8FC
D	A80D	A81D	A82D	A83D	A84D	A85D	A86D	A87D	A88D	A89D	A8AD	A8BD	A8CD	A8DD	A8ED	A8FD
E	A80E	A81E	A82E	A83E	A84E	A85E	A86E	A87E	A88E	A89E	A8AE	A8BE	A8CE	A8DE	A8EE	A8FE
F	A80F	A81F	A82F	A83F	A84F	A85F	A86F	A87F	A88F	A89F	A8AF	A8BF	A8CF	A8DF	A8EF	A8FF

4 Unicode Coverage

Unicode	Char	Description
0000		
000D		
0020		SPACE
0021	!	EXCLAMATION MARK
0022	"	QUOTATION MARK
0023	#	NUMBER SIGN
0024	\$	DOLLAR SIGN
0025	%	PERCENT SIGN
0026	&	AMPERSAND
0027	'	APOSTROPHE
0028	(	LEFT PARENTHESIS
0029	)	RIGHT PARENTHESIS
002A	*	ASTERISK
002B	+	PLUS SIGN
002C	,	COMMA
002D	-	HYPHEN-MINUS
002E	.	FULL STOP
002F	/	SOLIDUS
0030	0	DIGIT ZERO
0031	1	DIGIT ONE
0032	2	DIGIT TWO
0033	3	DIGIT THREE
0034	4	DIGIT FOUR
0035	5	DIGIT FIVE
0036	6	DIGIT SIX
0037	7	DIGIT SEVEN
0038	8	DIGIT EIGHT
0039	9	DIGIT NINE
003A	:	COLON
003B	;	SEMICOLON
003C	<	LESS-THAN SIGN
003D	=	EQUALS SIGN
003E	>	GREATER-THAN SIGN
003F	?	QUESTION MARK
0040	@	COMMERCIAL AT
0041	A	LATIN CAPITAL LETTER A
0042	B	LATIN CAPITAL LETTER B
0043	C	LATIN CAPITAL LETTER C
0044	D	LATIN CAPITAL LETTER D
0045	E	LATIN CAPITAL LETTER E
0046	F	LATIN CAPITAL LETTER F
0047	G	LATIN CAPITAL LETTER G
0048	H	LATIN CAPITAL LETTER H
0049	I	LATIN CAPITAL LETTER I
004A	J	LATIN CAPITAL LETTER J
004B	K	LATIN CAPITAL LETTER K
004C	L	LATIN CAPITAL LETTER L
004D	M	LATIN CAPITAL LETTER M
004E	N	LATIN CAPITAL LETTER N
004F	O	LATIN CAPITAL LETTER O
0050	P	LATIN CAPITAL LETTER P
0051	Q	LATIN CAPITAL LETTER Q
0052	R	LATIN CAPITAL LETTER R
0053	S	LATIN CAPITAL LETTER S
0054	T	LATIN CAPITAL LETTER T
0055	U	LATIN CAPITAL LETTER U
0056	V	LATIN CAPITAL LETTER V
0057	W	LATIN CAPITAL LETTER W
0058	X	LATIN CAPITAL LETTER X
0059	Y	LATIN CAPITAL LETTER Y
005A	Z	LATIN CAPITAL LETTER Z
005B	[	LEFT SQUARE BRACKET
005C	\	REVERSE SOLIDUS
005D	]	RIGHT SQUARE BRACKET
005E	^	CIRCUMFLEX ACCENT
005F	_	LOW LINE
0060	`	GRAVE ACCENT
0061	a	LATIN SMALL LETTER A
0062	b	LATIN SMALL LETTER B
0063	c	LATIN SMALL LETTER C
0064	d	LATIN SMALL LETTER D

Unicode	Char	Description
0065	e	LATIN SMALL LETTER E
0066	f	LATIN SMALL LETTER F
0067	g	LATIN SMALL LETTER G
0068	h	LATIN SMALL LETTER H
0069	i	LATIN SMALL LETTER I
006A	j	LATIN SMALL LETTER J
006B	k	LATIN SMALL LETTER K
006C	l	LATIN SMALL LETTER L
006D	m	LATIN SMALL LETTER M
006E	n	LATIN SMALL LETTER N
006F	o	LATIN SMALL LETTER O
0070	p	LATIN SMALL LETTER P
0071	q	LATIN SMALL LETTER Q
0072	r	LATIN SMALL LETTER R
0073	s	LATIN SMALL LETTER S
0074	t	LATIN SMALL LETTER T
0075	u	LATIN SMALL LETTER U
0076	v	LATIN SMALL LETTER V
0077	w	LATIN SMALL LETTER W
0078	x	LATIN SMALL LETTER X
0079	y	LATIN SMALL LETTER Y
007A	z	LATIN SMALL LETTER Z
007B	{	LEFT CURLY BRACKET
007C	|	VERTICAL LINE
007D	}	RIGHT CURLY BRACKET
007E	~	TILDE
00A0		NO-BREAK SPACE
00A1	¡	INVERTED EXCLAMATION MARK
00A2	¢	CENT SIGN
00A3	£	POUND SIGN
1 visible characters not mapped to glyphs		
00A5	¥	YEN SIGN
1 visible characters not mapped to glyphs		
00A7	§	SECTION SIGN
00A8	¨	DIAERESIS
00A9	©	COPYRIGHT SIGN
00AA	ª	FEMININE ORDINAL INDICATOR
00AB	«	LEFT-POINTING DOUBLE ANGLE QUOTATION MARK
1 visible characters not mapped to glyphs		
00AD		SOFT HYPHEN
00AE	®	REGISTERED SIGN
00AF	—	MACRON
00B0	°	DEGREE SIGN
3 visible characters not mapped to glyphs		
00B4	´	ACUTE ACCENT
1 visible characters not mapped to glyphs		
00B6	¶	PILCROW SIGN
00B7	·	MIDDLE DOT
00B8	¸	CEDILLA
1 visible characters not mapped to glyphs		
00BA	º	MASCULINE ORDINAL INDICATOR
00BB	»	RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK
3 visible characters not mapped to glyphs		
00BF	¿	INVERTED QUESTION MARK
00C0	À	LATIN CAPITAL LETTER A WITH GRAVE
00C1	Á	LATIN CAPITAL LETTER A WITH ACUTE
00C2	Â	LATIN CAPITAL LETTER A WITH CIRCUMFLEX
00C3	Ã	LATIN CAPITAL LETTER A WITH TILDE
00C4	Ä	LATIN CAPITAL LETTER A WITH DIAERESIS
00C5	Å	LATIN CAPITAL LETTER A WITH RING ABOVE
00C6	Æ	LATIN CAPITAL LETTER AE
00C7	Ç	LATIN CAPITAL LETTER C WITH CEDILLA
00C8	È	LATIN CAPITAL LETTER E WITH GRAVE
00C9	É	LATIN CAPITAL LETTER E WITH ACUTE
00CA	Ê	LATIN CAPITAL LETTER E WITH CIRCUMFLEX
00CB	Ë	LATIN CAPITAL LETTER E WITH DIAERESIS
00CC	Ì	LATIN CAPITAL LETTER I WITH GRAVE
00CD	Í	LATIN CAPITAL LETTER I WITH ACUTE
00CE	Î	LATIN CAPITAL LETTER I WITH CIRCUMFLEX
00CF	Ï	LATIN CAPITAL LETTER I WITH DIAERESIS
00D0	Ð	LATIN CAPITAL LETTER ETH
00D1	Ñ	LATIN CAPITAL LETTER N WITH TILDE
00D2	Ò	LATIN CAPITAL LETTER O WITH GRAVE

Unicode	Char	Description
00D3	Ó	LATIN CAPITAL LETTER O WITH ACUTE
00D4	Ô	LATIN CAPITAL LETTER O WITH CIRCUMFLEX
00D5	Õ	LATIN CAPITAL LETTER O WITH TILDE
00D6	Ö	LATIN CAPITAL LETTER O WITH DIAERESIS
00D7	×	MULTIPLICATION SIGN
00D8	Ø	LATIN CAPITAL LETTER O WITH STROKE
00D9	Ù	LATIN CAPITAL LETTER U WITH GRAVE
00DA	Ú	LATIN CAPITAL LETTER U WITH ACUTE
00DB	Û	LATIN CAPITAL LETTER U WITH CIRCUMFLEX
00DC	Ü	LATIN CAPITAL LETTER U WITH DIAERESIS
00DD	Ý	LATIN CAPITAL LETTER Y WITH ACUTE
00DE	Þ	LATIN CAPITAL LETTER THORN
00DF	ß	LATIN SMALL LETTER SHARP S
00E0	à	LATIN SMALL LETTER A WITH GRAVE
00E1	á	LATIN SMALL LETTER A WITH ACUTE
00E2	â	LATIN SMALL LETTER A WITH CIRCUMFLEX
00E3	ã	LATIN SMALL LETTER A WITH TILDE
00E4	ä	LATIN SMALL LETTER A WITH DIAERESIS
00E5	å	LATIN SMALL LETTER A WITH RING ABOVE
00E6	æ	LATIN SMALL LETTER AE
00E7	ç	LATIN SMALL LETTER C WITH CEDILLA
00E8	è	LATIN SMALL LETTER E WITH GRAVE
00E9	é	LATIN SMALL LETTER E WITH ACUTE
00EA	ê	LATIN SMALL LETTER E WITH CIRCUMFLEX
00EB	ë	LATIN SMALL LETTER E WITH DIAERESIS
00EC	ì	LATIN SMALL LETTER I WITH GRAVE
00ED	í	LATIN SMALL LETTER I WITH ACUTE
00EE	î	LATIN SMALL LETTER I WITH CIRCUMFLEX
00EF	ï	LATIN SMALL LETTER I WITH DIAERESIS
00F0	ð	LATIN SMALL LETTER ETH
00F1	ñ	LATIN SMALL LETTER N WITH TILDE
00F2	ò	LATIN SMALL LETTER O WITH GRAVE
00F3	ó	LATIN SMALL LETTER O WITH ACUTE
00F4	ô	LATIN SMALL LETTER O WITH CIRCUMFLEX
00F5	õ	LATIN SMALL LETTER O WITH TILDE
00F6	ö	LATIN SMALL LETTER O WITH DIAERESIS
00F7	÷	DIVISION SIGN
00F8	ø	LATIN SMALL LETTER O WITH STROKE
00F9	ù	LATIN SMALL LETTER U WITH GRAVE
00FA	ú	LATIN SMALL LETTER U WITH ACUTE
00FB	û	LATIN SMALL LETTER U WITH CIRCUMFLEX
00FC	ü	LATIN SMALL LETTER U WITH DIAERESIS
00FD	ý	LATIN SMALL LETTER Y WITH ACUTE
00FE	þ	LATIN SMALL LETTER THORN
00FF	ÿ	LATIN SMALL LETTER Y WITH DIAERESIS
0100	Ā	LATIN CAPITAL LETTER A WITH MACRON
0101	ā	LATIN SMALL LETTER A WITH MACRON
0102	Ă	LATIN CAPITAL LETTER A WITH BREVE
0103	ă	LATIN SMALL LETTER A WITH BREVE
0104	Ą	LATIN CAPITAL LETTER A WITH OGONEK
0105	ą	LATIN SMALL LETTER A WITH OGONEK
0106	Ć	LATIN CAPITAL LETTER C WITH ACUTE
0107	ć	LATIN SMALL LETTER C WITH ACUTE
2 visible characters not mapped to glyphs		
010A	Č	LATIN CAPITAL LETTER C WITH DOT ABOVE
010B	č	LATIN SMALL LETTER C WITH DOT ABOVE
010C	Č̣	LATIN CAPITAL LETTER C WITH CARON
010D	č̣	LATIN SMALL LETTER C WITH CARON
010E	Ď	LATIN CAPITAL LETTER D WITH CARON
010F	ď	LATIN SMALL LETTER D WITH CARON
0110	Đ	LATIN CAPITAL LETTER D WITH STROKE
0111	đ	LATIN SMALL LETTER D WITH STROKE
0112	Ē	LATIN CAPITAL LETTER E WITH MACRON
0113	ē	LATIN SMALL LETTER E WITH MACRON
2 visible characters not mapped to glyphs		
0116	Ė	LATIN CAPITAL LETTER E WITH DOT ABOVE
0117	ė	LATIN SMALL LETTER E WITH DOT ABOVE
0118	Ę	LATIN CAPITAL LETTER E WITH OGONEK
0119	ę	LATIN SMALL LETTER E WITH OGONEK
011A	Ě	LATIN CAPITAL LETTER E WITH CARON
011B	ě	LATIN SMALL LETTER E WITH CARON
2 visible characters not mapped to glyphs		
011E	Ġ	LATIN CAPITAL LETTER G WITH BREVE

Unicode	Char	Description
011F	ġ	LATIN SMALL LETTER G WITH BREVE
0120	Ġ	LATIN CAPITAL LETTER G WITH DOT ABOVE
0121	ḡ	LATIN SMALL LETTER G WITH DOT ABOVE
0122	Ḡ	LATIN CAPITAL LETTER G WITH CEDILLA
0123	ḡ	LATIN SMALL LETTER G WITH CEDILLA
2 visible characters not mapped to glyphs		
0126	Ĥ	LATIN CAPITAL LETTER H WITH STROKE
0127	ĥ	LATIN SMALL LETTER H WITH STROKE
2 visible characters not mapped to glyphs		
012A	Ī	LATIN CAPITAL LETTER I WITH MACRON
012B	ī	LATIN SMALL LETTER I WITH MACRON
2 visible characters not mapped to glyphs		
012E	Į	LATIN CAPITAL LETTER I WITH OGONEK
012F	į	LATIN SMALL LETTER I WITH OGONEK
0130	İ	LATIN CAPITAL LETTER I WITH DOT ABOVE
0131	ı	LATIN SMALL LETTER DOTLESS I
0132	IJ	LATIN CAPITAL LIGATURE IJ
0133	ij	LATIN SMALL LIGATURE IJ
2 visible characters not mapped to glyphs		
0136	Ƙ	LATIN CAPITAL LETTER K WITH CEDILLA
0137	ƙ	LATIN SMALL LETTER K WITH CEDILLA
1 visible characters not mapped to glyphs		
0139	Ĺ	LATIN CAPITAL LETTER L WITH ACUTE
013A	ĺ	LATIN SMALL LETTER L WITH ACUTE
013B	Ł	LATIN CAPITAL LETTER L WITH CEDILLA
013C	ł	LATIN SMALL LETTER L WITH CEDILLA
013D	Ľ	LATIN CAPITAL LETTER L WITH CARON
013E	ľ	LATIN SMALL LETTER L WITH CARON
2 visible characters not mapped to glyphs		
0141	Ł	LATIN CAPITAL LETTER L WITH STROKE
0142	ł	LATIN SMALL LETTER L WITH STROKE
0143	Ń	LATIN CAPITAL LETTER N WITH ACUTE
0144	ń	LATIN SMALL LETTER N WITH ACUTE
0145	Ň	LATIN CAPITAL LETTER N WITH CEDILLA
0146	ň	LATIN SMALL LETTER N WITH CEDILLA
0147	Ñ	LATIN CAPITAL LETTER N WITH CARON
0148	ñ	LATIN SMALL LETTER N WITH CARON
1 visible characters not mapped to glyphs		
014A	Ŋ	LATIN CAPITAL LETTER ENG
014B	ŋ	LATIN SMALL LETTER ENG
014C	Ō	LATIN CAPITAL LETTER O WITH MACRON
014D	ō	LATIN SMALL LETTER O WITH MACRON
2 visible characters not mapped to glyphs		
0150	Ŏ	LATIN CAPITAL LETTER O WITH DOUBLE ACUTE
0151	ŏ	LATIN SMALL LETTER O WITH DOUBLE ACUTE
0152	Œ	LATIN CAPITAL LIGATURE OE
0153	œ	LATIN SMALL LIGATURE OE
0154	Ŕ	LATIN CAPITAL LETTER R WITH ACUTE
0155	ŕ	LATIN SMALL LETTER R WITH ACUTE
0156	Ŗ	LATIN CAPITAL LETTER R WITH CEDILLA
0157	ŗ	LATIN SMALL LETTER R WITH CEDILLA
0158	Ř	LATIN CAPITAL LETTER R WITH CARON
0159	ř	LATIN SMALL LETTER R WITH CARON
015A	Ś	LATIN CAPITAL LETTER S WITH ACUTE
015B	ś	LATIN SMALL LETTER S WITH ACUTE
2 visible characters not mapped to glyphs		
015E	Ş	LATIN CAPITAL LETTER S WITH CEDILLA
015F	ş	LATIN SMALL LETTER S WITH CEDILLA
0160	Š	LATIN CAPITAL LETTER S WITH CARON
0161	š	LATIN SMALL LETTER S WITH CARON
2 visible characters not mapped to glyphs		
0164	Ť	LATIN CAPITAL LETTER T WITH CARON
0165	ť	LATIN SMALL LETTER T WITH CARON
4 visible characters not mapped to glyphs		
016A	Ū	LATIN CAPITAL LETTER U WITH MACRON
016B	ū	LATIN SMALL LETTER U WITH MACRON
016C	Ů	LATIN CAPITAL LETTER U WITH BREVE
016D	ů	LATIN SMALL LETTER U WITH BREVE
016E	Ű	LATIN CAPITAL LETTER U WITH RING ABOVE
016F	ű	LATIN SMALL LETTER U WITH RING ABOVE
0170	Ŭ	LATIN CAPITAL LETTER U WITH DOUBLE ACUTE
0171	ŭ	LATIN SMALL LETTER U WITH DOUBLE ACUTE
0172	Ų	LATIN CAPITAL LETTER U WITH OGONEK

Unicode	Char	Description
0173	ŭ	LATIN SMALL LETTER U WITH OGONEK
0174	Ŵ	LATIN CAPITAL LETTER W WITH CIRCUMFLEX
0175	ŵ	LATIN SMALL LETTER W WITH CIRCUMFLEX
0176	Ŷ	LATIN CAPITAL LETTER Y WITH CIRCUMFLEX
0177	ŷ	LATIN SMALL LETTER Y WITH CIRCUMFLEX
0178	ÿ	LATIN CAPITAL LETTER Y WITH DIAERESIS
0179	Ž	LATIN CAPITAL LETTER Z WITH ACUTE
017A	ž	LATIN SMALL LETTER Z WITH ACUTE
017B	Ẑ	LATIN CAPITAL LETTER Z WITH DOT ABOVE
017C	ẑ	LATIN SMALL LETTER Z WITH DOT ABOVE
017D	Ž	LATIN CAPITAL LETTER Z WITH CARON
017E	ž	LATIN SMALL LETTER Z WITH CARON
153 visible characters not mapped to glyphs		
0218	Ș	LATIN CAPITAL LETTER S WITH COMMA BELOW
0219	ș	LATIN SMALL LETTER S WITH COMMA BELOW
021A	Ț	LATIN CAPITAL LETTER T WITH COMMA BELOW
021B	ț	LATIN SMALL LETTER T WITH COMMA BELOW
27 visible characters not mapped to glyphs		
0237	Ј	LATIN SMALL LETTER DOTLESS J
142 visible characters not mapped to glyphs		
02C6	ˆ	MODIFIER LETTER CIRCUMFLEX ACCENT
02C7	ˇ	CARON
1 visible characters not mapped to glyphs		
02C9	ˉ	MODIFIER LETTER MACRON
14 visible characters not mapped to glyphs		
02D8	˘	BREVE
02D9	˙	DOT ABOVE
02DA	˚	RING ABOVE
02DB	˛	OGONEK
02DC	˜	SMALL TILDE
02DD	˝	DOUBLE ACUTE ACCENT
34 visible characters not mapped to glyphs		
0300	ˋ	COMBINING GRAVE ACCENT
0301	ˊ	COMBINING ACUTE ACCENT
0302	ˆ	COMBINING CIRCUMFLEX ACCENT
0303	˜	COMBINING TILDE
0304	ˉ	COMBINING MACRON
1 visible characters not mapped to glyphs		
0306	˘	COMBINING BREVE
0307	˙	COMBINING DOT ABOVE
0308	¨	COMBINING DIAERESIS
1 visible characters not mapped to glyphs		
030A	˚	COMBINING RING ABOVE
030B	˝	COMBINING DOUBLE ACUTE ACCENT
030C	ˇ	COMBINING CARON
5 visible characters not mapped to glyphs		
0312	ˆ	COMBINING TURNED COMMA ABOVE
16 visible characters not mapped to glyphs		
0323	˙	COMBINING DOT BELOW
2 visible characters not mapped to glyphs		
0326	˘	COMBINING COMMA BELOW
0327	˘	COMBINING CEDILLA
0328	˘	COMBINING OGONEK
1490 visible characters not mapped to glyphs		
0951	ˆ	DEVANAGARI STRESS SIGN UDATTA
0952	ˉ	DEVANAGARI STRESS SIGN ANUDATTA
17 visible characters not mapped to glyphs		
0964	।	DEVANAGARI DANDA
0965	॥	DEVANAGARI DOUBLE DANDA
647 visible characters not mapped to glyphs		
0D00	ˆ	MALAYALAM SIGN COMBINING ANUSVARA ABOVE
0D01	˘	MALAYALAM SIGN CANDRABINDU
0D02	˚	MALAYALAM SIGN ANUSVARA
0D03	˚	MALAYALAM SIGN VISARGA
0D04	˘	MALAYALAM LETTER VEDIC ANUSVARA
0D05	അ	MALAYALAM LETTER A
0D06	ആ	MALAYALAM LETTER AA
0D07	ഇ	MALAYALAM LETTER I
0D08	ഈ	MALAYALAM LETTER II
0D09	ഉ	MALAYALAM LETTER U
0D0A	ഊ	MALAYALAM LETTER UU
0D0B	ഋ	MALAYALAM LETTER VOCALIC R
0D0C	ൠ	MALAYALAM LETTER VOCALIC L

Unicode	Char	Description
0D0E	എ	MALAYALAM LETTER E
0D0F	ഏ	MALAYALAM LETTER EE
0D10	ഐ	MALAYALAM LETTER AI
0D12	ഒ	MALAYALAM LETTER O
0D13	ഓ	MALAYALAM LETTER OO
0D14	ഔ	MALAYALAM LETTER AU
0D15	ക	MALAYALAM LETTER KA
0D16	ഖ	MALAYALAM LETTER KHA
0D17	ഗ	MALAYALAM LETTER GA
0D18	ഘ	MALAYALAM LETTER GHA
0D19	ങ	MALAYALAM LETTER NGA
0D1A	ച	MALAYALAM LETTER CA
0D1B	ഛ	MALAYALAM LETTER CHA
0D1C	ജ	MALAYALAM LETTER JA
0D1D	ഝ	MALAYALAM LETTER JHA
0D1E	ഞ	MALAYALAM LETTER NYA
0D1F	ട	MALAYALAM LETTER TTA
0D20	ഠ	MALAYALAM LETTER TTHA
0D21	ഡ	MALAYALAM LETTER DDA
0D22	ഢ	MALAYALAM LETTER DDHA
0D23	ണ	MALAYALAM LETTER NNA
0D24	ത	MALAYALAM LETTER TA
0D25	ഥ	MALAYALAM LETTER THA
0D26	ദ	MALAYALAM LETTER DA
0D27	ധ	MALAYALAM LETTER DHA
0D28	ന	MALAYALAM LETTER NA
0D29	ണ	MALAYALAM LETTER NNNA
0D2A	പ	MALAYALAM LETTER PA
0D2B	ഫ	MALAYALAM LETTER PHA
0D2C	ബ	MALAYALAM LETTER BA
0D2D	ഭ	MALAYALAM LETTER BHA
0D2E	മ	MALAYALAM LETTER MA
0D2F	യ	MALAYALAM LETTER YA
0D30	ര	MALAYALAM LETTER RA
0D31	റ	MALAYALAM LETTER RRA
0D32	ല	MALAYALAM LETTER LA
0D33	ള	MALAYALAM LETTER LLA
0D34	ഴ	MALAYALAM LETTER LLLA
0D35	വ	MALAYALAM LETTER VA
0D36	ശ	MALAYALAM LETTER SHA
0D37	ഷ	MALAYALAM LETTER SSA
0D38	സ	MALAYALAM LETTER SA
0D39	ഹ	MALAYALAM LETTER HA
0D3A	ഠ	MALAYALAM LETTER TTTA
0D3B	ഠ	MALAYALAM SIGN VERTICAL BAR VIRAMA
0D3C	ഠ	MALAYALAM SIGN CIRCULAR VIRAMA
0D3D	ഠ	MALAYALAM SIGN AVAGRAHA
0D3E	ഠ	MALAYALAM VOWEL SIGN AA
0D3F	ഠ	MALAYALAM VOWEL SIGN I
0D40	ഠ	MALAYALAM VOWEL SIGN II
0D41	ഠ	MALAYALAM VOWEL SIGN U
0D42	ഠ	MALAYALAM VOWEL SIGN UU
0D43	ഠ	MALAYALAM VOWEL SIGN VOCALIC R
0D44	ഠ	MALAYALAM VOWEL SIGN VOCALIC RR
0D46	ഠ	MALAYALAM VOWEL SIGN E
0D47	ഠ	MALAYALAM VOWEL SIGN EE
0D48	ഠ	MALAYALAM VOWEL SIGN AI
0D4A	ഠ	MALAYALAM VOWEL SIGN O
0D4B	ഠ	MALAYALAM VOWEL SIGN OO
0D4C	ഠ	MALAYALAM VOWEL SIGN AU
0D4D	ഠ	MALAYALAM SIGN VIRAMA
0D4E	ഠ	MALAYALAM LETTER DOT REPH
0D4F	ഠ	MALAYALAM SIGN PARA
0D54	ഠ	MALAYALAM LETTER CHILLU M
0D55	ഠ	MALAYALAM LETTER CHILLU Y
0D56	ഠ	MALAYALAM LETTER CHILLU LLL
0D57	ഠ	MALAYALAM AU LENGTH MARK
0D58	ഠ	MALAYALAM FRACTION ONE ONE-HUNDRED-AND-SIXTIETH
0D59	ഠ	MALAYALAM FRACTION ONE FORTIETH
0D5A	ഠ	MALAYALAM FRACTION THREE EIGHTIETHS
0D5B	ഠ	MALAYALAM FRACTION ONE TWENTIETH
0D5C	ഠ	MALAYALAM FRACTION ONE TENTH
0D5D	ഠ	MALAYALAM FRACTION THREE TWENTIETHS
0D5E	ഠ	MALAYALAM FRACTION ONE FIFTH

Unicode	Char	Description
0D5F	ഠ	MALAYALAM LETTER ARCHAIC II
0D60	ഡ	MALAYALAM LETTER VOCALIC RR
0D61	ഢ	MALAYALAM LETTER VOCALIC LL
0D62	ണ	MALAYALAM VOWEL SIGN VOCALIC L
0D63		MALAYALAM VOWEL SIGN VOCALIC LL
0D66		MALAYALAM DIGIT ZERO
0D67	൦	MALAYALAM DIGIT ONE
0D68	൧	MALAYALAM DIGIT TWO
0D69	൨	MALAYALAM DIGIT THREE
0D6A	൩	MALAYALAM DIGIT FOUR
0D6B	൪	MALAYALAM DIGIT FIVE
0D6C	൫	MALAYALAM DIGIT SIX
0D6D	൬	MALAYALAM DIGIT SEVEN
0D6E	൭	MALAYALAM DIGIT EIGHT
0D6F	൮	MALAYALAM DIGIT NINE
0D70	൹	MALAYALAM NUMBER TEN
0D71	ൺ	MALAYALAM NUMBER ONE HUNDRED
0D72	ൻ	MALAYALAM NUMBER ONE THOUSAND
0D73	ർ	MALAYALAM FRACTION ONE QUARTER
0D74	ൽ	MALAYALAM FRACTION ONE HALF
0D75	ൾ	MALAYALAM FRACTION THREE QUARTERS
0D76	ൿ	MALAYALAM FRACTION ONE SIXTEENTH
0D77	ൿൺ	MALAYALAM FRACTION ONE EIGHTH
0D78	ൿൺ൩	MALAYALAM FRACTION THREE SIXTEENTHS
0D79	ൿൺ൩൩	MALAYALAM DATE MARK
0D7A	ൿൺ൩൩൩	MALAYALAM LETTER CHILLU NN
0D7B	ൿൺ൩൩൩൩	MALAYALAM LETTER CHILLU N
0D7C	ൿൺ൩൩൩൩൩	MALAYALAM LETTER CHILLU RR
0D7D	ൿൺ൩൩൩൩൩൩	MALAYALAM LETTER CHILLU L
0D7E	ൿൺ൩൩൩൩൩൩൩	MALAYALAM LETTER CHILLU LL
0D7F	ൿൺ൩൩൩൩൩൩൩൩	MALAYALAM LETTER CHILLU K
3485 visible characters not mapped to glyphs		
1CDA	"	VEDIC TONE DOUBLE SVARITA
416 visible characters not mapped to glyphs		
1E80	Ẁ	LATIN CAPITAL LETTER W WITH GRAVE
1E81	ẁ	LATIN SMALL LETTER W WITH GRAVE
1E82	Ẃ	LATIN CAPITAL LETTER W WITH ACUTE
1E83	ẃ	LATIN SMALL LETTER W WITH ACUTE
1E84	Ẅ	LATIN CAPITAL LETTER W WITH DIAERESIS
1E85	ẅ	LATIN SMALL LETTER W WITH DIAERESIS
24 visible characters not mapped to glyphs		
1E9E	ß	LATIN CAPITAL LETTER SHARP S
83 visible characters not mapped to glyphs		
1EF2	Ỳ	LATIN CAPITAL LETTER Y WITH GRAVE
1EF3	ỳ	LATIN SMALL LETTER Y WITH GRAVE
256 visible characters not mapped to glyphs		
200B		ZERO WIDTH SPACE
200C		ZERO WIDTH NON-JOINER
200D		ZERO WIDTH JOINER
2010	-	HYPHEN
2 visible characters not mapped to glyphs		
2013	–	EN DASH
2014	—	EM DASH
3 visible characters not mapped to glyphs		
2018	‘	LEFT SINGLE QUOTATION MARK
2019	’	RIGHT SINGLE QUOTATION MARK
201A	,	SINGLE LOW-9 QUOTATION MARK
1 visible characters not mapped to glyphs		
201C	“	LEFT DOUBLE QUOTATION MARK
201D	”	RIGHT DOUBLE QUOTATION MARK
201E	„	DOUBLE LOW-9 QUOTATION MARK
3 visible characters not mapped to glyphs		
2022	•	BULLET
3 visible characters not mapped to glyphs		
2026	…	HORIZONTAL ELLIPSIS
13 visible characters not mapped to glyphs		
2039	◀	SINGLE LEFT-POINTING ANGLE QUOTATION MARK
203A	▶	SINGLE RIGHT-POINTING ANGLE QUOTATION MARK
91 visible characters not mapped to glyphs		
20AC	€	EURO SIGN
12 visible characters not mapped to glyphs		
20B9	₹	INDIAN RUPEE SIGN
74 visible characters not mapped to glyphs		
2122	™	TRADE MARK SIGN

Unicode	Char	Description
235 visible characters not mapped to glyphs		
2212	—	MINUS SIGN
910 visible characters not mapped to glyphs		
25CC	⦿	DOTTED CIRCLE
33164 visible characters not mapped to glyphs		
A830	𑍇	NORTH INDIC FRACTION ONE QUARTER
A831	𑍈	NORTH INDIC FRACTION ONE HALF
A832	𑍉	NORTH INDIC FRACTION THREE QUARTERS

5 Glyphs

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
0	□	.notdef	600	94	0	
1		NULL	0	0	0	u0000
2		CR	309	0	0	u000D
3		space	309	0	0	u0020
4	°	uni0D00	0	-429	3	u0D00
5	°	candrabindumlym	0	-452	3	u0D01
6	◌̣	anusvaramlym	453	32	3	u0D02
7	◌̣̣	visargamlym	336	33	3	u0D03
8	◌̣̣̣	uni0D04	583	34	0	u0D04
9	അ	amlym	1495	39	1	u0D05
10	ആ	aamlym	1647	39	1	u0D06
11	ഇ	imlym	986	40	1	u0D07
12	ഇ	iimlym	1745	40	1	u0D08
13	ഉ	umlym	692	40	1	u0D09
14	ഉ	uumlym	1451	40	1	u0D0A
15	ഋ	rvocalicmlym	871	37	1	u0D0B
16	ൠ	lvocalicmlym	1167	42	1	u0D0C
17	എ	emlym	1273	32	1	u0D0E
18	എ	eemlym	1272	32	1	u0D0F
19	ഐ	aimlym	1988	37	1	u0D10
20	ഒ	omlym	757	39	1	u0D12
21	ഓ	oomlym	1259	39	1	u0D13
22	ഔ	aumlym	1510	39	1	u0D14
23	ക	kamlym	1038	32	1	u0D15
24	ഖ	khamlym	1000	39	1	u0D16
25	ഗ	gamlym	897	39	1	u0D17
26	ഘ	ghamlym	1325	32	1	u0D18
27	ങ	ngamlym	1065	42	1	u0D19
28	ച	camlym	933	17	1	u0D1A
29	ഛ	chamlym	1349	17	1	u0D1B
30	ജ	jamlym	939	38	1	u0D1C
31	ഝ	jhamlym	1655	39	1	u0D1D
32	ഞ	nyamlym	1446	42	1	u0D1E
33	ട	ttamlym	563	20	1	u0D1F
34	ഠ	tthamlym	655	39	1	u0D20
35	ഡ	ddamlym	1223	39	1	u0D21
36	ഢ	ddhamlym	1334	39	1	u0D22
37	ണ	nnamlym	1368	42	1	u0D23
38	ത	tamlym	1014	39	1	u0D24
39	ഥ	thamlym	896	71	1	u0D25
40	ദ	damlym	641	52	1	u0D26
41	ധ	dhamlym	911	39	1	u0D27
42	ന	namlym	911	39	1	u0D28
43	ണ	nnnamlym	1021	42	1	u0D29
44	പ	pamlym	896	32	1	u0D2A
45	ഫ	phamlym	1129	32	1	u0D2B
46	ബ	bamlym	1306	42	1	u0D2C
47	ഭ	bhamlym	654	52	1	u0D2D
48	മ	mamlym	723	60	1	u0D2E
49	യ	yamlym	1035	39	1	u0D2F
50	ര	ramlym	736	39	1	u0D30
51	റ	rramlym	674	39	1	u0D31
52	ല	lamlym	859	63	1	u0D32
53	ള	llamlym	724	40	1	u0D33
54	ഴ	lllamlym	654	37	1	u0D34
55	വ	vamlym	958	39	1	u0D35
56	ശ	shamlym	1040	39	1	u0D36
57	ഷ	ssamlym	1149	32	1	u0D37
58	സ	samlym	1223	39	1	u0D38
59	ഹ	hamlym	1190	32	1	u0D39
60	ഹ	tttamlym	773	21	1	u0D3A
61	°	uni0D3B	0	-314	3	u0D3B
62	°	uni0D3C	0	-246	3	u0D3C
63	◌̣̣̣					

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
71	ಎ	evowelsignmlym	715	39	3	u0D46
72	ಃ	eevowelsignmlym	595	39	3	u0D47
73	ಐ	aivowelsignmlym	1430	39	3	u0D48
74	ಓ	ovowelsignmlym	1427	39	3	u0D4A
75	ಔ	oovowelsignmlym	1292	39	3	u0D4B
76	ಌ	auvowelsignmlym	1684	39	3	u0D4C
77	ಁ	viramamlym	0	-292	3	u0D4D
78	ಃ	rephmlym	0	-339	3	u0D4E
79	ಠ	uni0D4F	1244	47	1	u0D4F
80	ಡ	machillumlym	646	60	1	u0D54
81	ಢ	yachillumlym	1033	39	1	u0D55
82	ಣ	lllachillumlym	725	37	1	u0D56
83	ವ	aulengthmarkmlym	759	36	1	u0D57
84	ಶ	uni0D58	1223	39	1	u0D58
85	ಷ	uni0D59	1131	39	1	u0D59
86	ಠ	uni0D5A	1071	39	1	u0D5A
87	ಡ	uni0D5B	958	71	1	u0D5B
88	ಢ	uni0D5C	1518	39	1	u0D5C
89	ಣ	uni0D5D	2010	10	1	u0D5D
90	ವ	uni0D5E	1375	39	1	u0D5E
91	ಶ	uni0D5F	1341	30	1	u0D5F
92	ಷ	rrvocalicmlym	871	37	1	u0D60
93	ಠ	llvocalicmlym	1320	42	1	u0D61
94	ಉ	lvocalicvowelsignmlym	0	-808	3	u0D62
95	ಊ	llvocalicvowelsignmlym	0	-808	3	u0D63
96	೦	zeromlym	576	39	1	u0D66
97	೧	onemlym	896	11	1	u0D67
98	೨	twomlym	859	39	1	u0D68
99	೩	threemlym	1083	39	1	u0D69
100	೪	fourmlym	797	39	1	u0D6A
101	೫	fivemlym	971	44	1	u0D6B
102	೬	sixmlym	1223	39	1	u0D6C
103	೭	sevenmlym	743	39	1	u0D6D
104	೮	eightmlym	958	39	1	u0D6E
105	೯	ninemlym	1122	39	1	u0D6F
106	೧೦	tenmlym	1084	-35	1	u0D70
107	೧೧	hundredmlym	907	39	1	u0D71
108	೧೨	thousandmlym	1411	39	1	u0D72
109	೧೩	onequartermlym	784	39	1	u0D73
110	೧೪	onehalfmlym	920	39	1	u0D74
111	೧೫	threequartermlym	1233	42	1	u0D75
112	೧೬	uni0D76	1387	32	1	u0D76
113	೧೭	uni0D77	1713	32	1	u0D77
114	೧೮	uni0D78	2178	10	1	u0D78
115	೧೯	datemarkmlym	1147	39	1	u0D79
116	೨೦	nnachillumlym	1519	42	1	u0D7A
117	೨೧	nachillumlym	1062	39	1	u0D7B
118	೨೨	rrachillumlym	736	39	1	u0D7C
119	೨೩	lachillumlym	1198	39	1	u0D7D
120	೨೪	llachillumlym	1044	39	1	u0D7E
121	೨೫	kachillumlym	1206	32	1	u0D7F
122	೨೬	kaprehalfmlym	1038	32	1	
123	೨೭	khaprehalfmlym	1000	39	1	
124	೨೮	gaprehalfmlym	897	39	1	
125	೨೯	ghaprehalfmlym	1325	32	1	
126	೩೦	ngaprehalfmlym	1065	42	1	
127	೩೧	caprehalfmlym	933	17	1	
128	೩೨	chaprehalfmlym	1349	17	1	
129	೩೩	japrehalfmlym	939	38	1	
130	೩೪	jhaprehalfmlym	1655	39	1	
131	೩೫	nyaprehalfmlym	1446	42	1	
132	೩೬	ttaprehalfmlym	563	20	1	
133	೩೭	tthaprehalfmlym	655	39	1	
134	೩೮	ddaprehalfmlym	1223	39	1	
135	೩೯	ddhaprehalfmlym	1334	39	1	
136	೪೦	nnaprehalfmlym	1368	42	1	
137	೪೧	taprehalfmlym	1014	39	1	
138	೪೨	thaprehalfmlym	896	71	1	
139	೪೩	daprehalfmlym	641	52	1	
140	೪೪	dhaprehalfmlym	911	39	1	
141	೪೫	naprehalfmlym	911	39	1	
142	೪೬	paprehalfmlym	896	32	1	
143	೪೭	phaprehalfmlym	1129	32	1	
144	೪೮	baprehalfmlym	1306	42	1	

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
145	ഭ	bhaprehalfmlym	654	52	1	
146	മാ	maprehalfmlym	723	60	1	
147	യാ	yaprehalfmlym	1035	39	1	
148	രാ	raprehalfmlym	736	39	1	
149	റ	rraprehalfmlym	674	39	1	
150	ല	laprehalfmlym	859	63	1	
151	ല്ല	llaprehalfmlym	724	40	1	
152	ല്ല	lllaprehalfmlym	654	37	1	
153	വ	vaprehalfmlym	958	39	1	
154	ശ	shaprehalfmlym	1040	39	1	
155	സ	ssaprehalfmlym	1149	32	1	
156	ഹ	saprehalfmlym	1223	39	1	
157	ക	haprehalfmlym	1190	32	1	
158	ക്ഷ	kassaprehalfmlym	1696	32	1	
159	ു	lasubscriptmlym	0	-708	1	
160	്യ	yapostmlym	243	-144	1	
161	വ്	vapostmlym	228	-185	1	
162	ര്	rapostmlym	244	44	1	
163	കക	kakamlym	1506	32	1	
164	കത	katamlym	1810	32	1	
165	കട്ട	kattamlym	1038	32	1	
166	കക്ഷ	kalamlym	1038	32	1	
167	കക്ഷ	kassamlym	1696	32	1	
168	ഗ	gagamlym	897	39	1	
169	ഗ	gadamlym	934	39	1	
170	ഗ	gamamlym	1388	39	1	
171	ന	ganamlym	1223	39	1	
172	ഗ	galamlym	897	39	1	
173	ങ്ക	ngakamlym	1059	36	1	
174	ങ്ക	ngakalamlym	1059	36	1	
175	ങ്ങ	ngangamlym	1561	39	1	
176	ച	cacamlym	933	17	1	
177	ച	cachamlym	933	17	1	
178	ജ	jajamlym	1895	38	1	
179	ജ	janyamlym	2372	38	1	
180	ഞ്ച	nyacamlym	1637	42	1	
181	ഞ്ച	nyachamlym	2142	42	1	
182	ഞ്ച	nyajamlym	1651	42	1	
183	ഞ്ഞ	nyanyamlym	2191	42	1	
184	ട്ട	ttattamlym	563	20	1	
185	ഡ	ddaddamlym	1223	39	1	
186	ഡ	ddaddhamlym	1223	39	1	
187	ഡ	nnaddamlym	2008	42	1	
188	ഡ	nnaddhamlym	2119	42	1	
189	മ്മ	nnamamlym	1533	42	1	
190	മ്മ	nnannamlym	1368	42	1	
191	ന്ന	nnattamlym	1462	42	1	
192	ത	tanamlym	1335	39	1	
193	ത	tabhamlym	1429	39	1	
194	ത	tamamlym	1499	39	1	
195	ത	tasamlym	1647	39	1	
196	ത	tatamlym	1759	39	1	
197	ത	tathamlym	1684	39	1	
198	ത	talamlym	1014	39	1	
199	ദ	dadamlym	641	52	1	
200	ദ	dadhamlym	1184	52	1	
201	ദ	nadamlym	954	39	1	
202	ധ	nadhamlym	1551	39	1	
203	ന	nanamlym	1257	39	1	
204	ന	namamlym	1075	39	1	
205	ന	narramlym	1061	39	1	
206	ന	nataamlym	1335	39	1	
207	ന	nathamlym	1581	39	1	
208	പ	papamlym	896	32	1	
209	പ	palamlym	896	32	1	
210	പ	phalamlym	1129	32	1	
211	ബ	babamlym	1306	42	1	
212	ബ	badamlym	1306	42	1	
213	ബ	badhamlym	1306	42	1	
214	ബ	balamlym	1306	42	1	
215	മ	mamamlym	1240	60	1	
216	വ	mapamlym	1195	39	1	
217	വ	mapalamlym	1195	39	1	
218	മ	malamlym	723	31	1	

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
219	യ	yayamlym	1035	39	1	
220	ര	rrarramlym	674	39	1	
221	ല	lapamlym	859	63	1	
222	ല	lalamlym	859	63	1	
223	ല	llallamlym	1431	40	1	
224	വ	valamlym	958	39	1	
225	വ	vavamlym	958	39	1	
226	ശ	shacamlym	1512	39	1	
227	ശ	shachamlym	2018	39	1	
228	ശ	shashamlym	1040	39	1	
229	ശ	shalamlym	1040	39	1	
230	സ	ssattamlym	1149	32	1	
231	സ	sarrarramlym	1223	39	1	
232	സ	sasamlym	1223	39	1	
233	സ	sathamlym	1891	39	1	
234	സ	salamlym	1223	39	1	
235	ഹ	hamamlym	1237	32	1	
236	ഹ	hanamlym	1426	32	1	
237	ഹ	halamlym	1190	32	1	
238	—	ivowelsignaltmlym	228	-194	1	
239	—	ivowelsignalt2mlym	349	-61	1	
240	—	iiowelsignaltmlym	266	-181	1	
241	—	iiowelsignalt2mlym	378	-75	1	
242	—	uvowelsignaltmlym	352	-6	1	
243	—	uuvowelsignaltmlym	352	-6	1	
244	—	rvocalicvowelsignaltmlym	340	-22	1	
245	—	rrvocalicvowelsignaltmlym	485	-22	1	
246	—	yapostaltmlym	340	-22	1	
247	—	vapostaltmlym	396	-17	1	
248	—	rapostaltmlym	325	44	1	
249	—	lvocalicvowelsignaltmlym	794	10	1	
250	—	llvocalicvowelsignaltmlym	794	10	1	
251	—	ttalvocalicmlym	794	10	1	
252	—	tthalvocalicmlym	794	10	1	
253	—	dalvocalicmlym	794	10	1	
254	—	bhalvocalicmlym	794	10	1	
255	—	malvocalicmlym	794	10	1	
256	—	ralvocalicmlym	794	10	1	
257	—	rralvocalicmlym	794	10	1	
258	—	llalvocalicmlym	794	10	1	
259	—	ttallvocalicmlym	794	10	1	
260	—	tthallvocalicmlym	794	10	1	
261	—	dallvocalicmlym	794	10	1	
262	—	bhallvocalicmlym	794	10	1	
263	—	mallvocalicmlym	794	10	1	
264	—	rallvocalicmlym	794	10	1	
265	—	rrallvocalicmlym	794	10	1	
266	—	llallvocalicmlym	794	10	1	
267	!	exclam.mlym	269	72	0	u0021
268	"	quotedbl.mlym	426	70	0	u0022
269	#	numbersign.mlym	646	25	0	u0023
270	%	percent.mlym	831	49	0	u0025
271	'	quotesingle.mlym	250	70	0	u0027
272	(	parenleft.mlym	301	41	0	u0028
273	)	parenright.mlym	301	31	0	u0029
274	*	asterisk.mlym	551	40	0	u002A
275	+	plus.mlym	572	51	0	u002B
276	,	comma.mlym	250	31	0	u002C
277	-	hyphen.mlym	322	40	0	u002D
278	.	period.mlym	268	72	0	u002E
279	/	slash.mlym	393	21	0	u002F
280	0	zero.mlym	572	50	0	u0030
281	1	one.mlym	572	90	0	u0031
282	2	two.mlym	572	49	0	u0032
283	3	three.mlym	572	45	0	u0033
284	4	four.mlym	572	21	0	u0034
285	5	five.mlym	572	63	0	u0035
286	6	six.mlym	572	54	0	u0036
287	7	seven.mlym	572	44	0	u0037
288	8	eight.mlym	572	50	0	u0038
289	9	nine.mlym	572	48	0	u0039
290	:	colon.mlym	268	72	0	u003A
291	;	semicolon.mlym	268	31	0	u003B
292	<	less.mlym	572	50	0	u003C

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
293	=	equal.mlym	572	57	0	u003D
294	>	greater.mlym	572	50	0	u003E
295	?	question.mlym	445	38	0	u003F
296	[	bracketleft.mlym	318	80	0	u005B
297	\	backslash.mlym	393	21	0	u005C
298	]	bracketright.mlym	323	40	0	u005D
299	^	asciicircum.mlym	572	39	0	u005E
300	_	underscore.mlym	444	-2	0	u005F
301	{	braceleft.mlym	369	30	0	u007B
302	|	bar.mlym	551	239	0	u007C
303	}	braceright.mlym	369	40	0	u007D
304	~	asciitilde.mlym	572	50	0	u007E
305		uni00A0.mlym	309	0	0	u00A0
306		uni00AD.mlym	322	40	0	u00AD
307	-	endash.mlym	500	40	0	u2013
308	—	emdash.mlym	1000	40	0	u2014
309	'	quoteleft.mlym	232	35	0	u2018
310	'	quoteright.mlym	232	36	0	u2019
311	"	quotedblleft.mlym	420	36	0	u201C
312	"	quotedblright.mlym	420	36	0	u201D
313	...	ellipsis.mlym	804	72	0	u2026
314	×	multiply.mlym	572	65	0	u00D7
315	÷	divide.mlym	572	51	0	u00F7
316	-	minus.mlym	572	50	0	u2212
317	₨	uni20B9.mlym	572	72	0	u20B9
318	₸	uniA830	242	78	0	uA830
319	₹	uniA831	447	78	0	uA831
320	₹	uniA832	652	78	0	uA832
321		uni0951	0	-314	3	u0951
322		uni0952	0	-491	3	u0952
323	—	uni0964.mlym	350	176	0	u0964
324	—	uni0965.mlym	570	176	0	u0965
325	—	uni1CDA	0	-377	0	u1CDA
326		uni0307	0	-330	3	u0307
327		uni0323	0	-330	3	u0323
328	ᳵ	gadotabove	897	39	1	
329	ᳶ	gadotbelow	897	39	1	
330	᳷	dhadotabove	911	39	1	
331	᳸	dhadotbelow	911	39	1	
332	᳹	nidotabove	1139	39	1	
333	ᳺ	nidotbelow	1139	39	1	
334	᳻	padotabove	896	32	1	
335	᳼	padotbelow	896	32	1	
336	᳽	madotabove	723	60	1	
337	᳾	madotbelow	723	60	1	
338	᳿	ridotabove	964	39	1	
339	ᳺ	ridotbelow	964	39	1	
340	᳼	sadotabove	1223	39	1	
341	ᳺ	sadotbelow	1223	39	1	
342	᳽	patamlym	896	32	1	
343	᳽	rephivowelmlym	228	-386	1	
344	᳽	rephiiivowelmlym	228	-451	1	
345	᳽	rephviramamlym	0	-463	0	
346	᳽	candrabindu_0951mlym	0	-528	0	
347	᳽	candrabindu_0952mlym	0	-491	0	
348	᳽	candrabindu_1CDAmlym	0	-586	0	
349		uni2010	322	40	0	u2010
350		uni200B	0	0	0	u200B
351		uni200C	0	0	0	u200C
352	↵	uni200D	0	-161	0	u200D
353	◌̣	uni25CC	562	57	0	u25CC
354	᳽	candrabindu_rephmlym	0	-452	3	
355	.	period	268	72	0	
356	"	quotedblright	359	12	0	
357	'	quoteleft	175	12	0	
358	'	quoteright	175	12	0	
359	«	guillemotleft	509	40	0	u00AB
360	»	guillemotright	509	39	0	u00BB
361	˘	uni0308	0	-141	3	u0308
362	˘	gravecomb	0	-493	3	u0300
363	˘	acutecomb	0	-325	3	u0301
364	˘	uni030B	0	-126	3	u030B
365	˘	uni0304	0	-148	3	u0304
366	˙	dotaccent	183	40	0	u02D9

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
367	°	degree	428	55	0	u00B0
368	À	A	639	0	1	u0041
369	Á	Aacute	639	0	1	u00C1
370	Â	Abreve	639	0	1	u0102
371	Â	Acircumflex	639	0	1	u00C2
372	Ä	Adieresis	639	0	1	u00C4
373	À	Agrave	639	0	1	u00C0
374	Ā	Amacron	639	0	1	u0100
375	Ą	Aogonek	639	0	1	u0104
376	Å	Aring	639	0	1	u00C5
377	Ã	Atilde	639	0	1	u00C3
378	Æ	AE	881	-1	1	u00C6
379	Β	B	650	97	1	u0042
380	Ɔ	C	632	61	1	u0043
381	Ć	Cacute	632	61	1	u0106
382	Č	Ccaron	632	61	1	u010C
383	Ç	Ccedilla	632	61	1	u00C7
384	Ĉ	Cdotaccent	632	61	1	u010A
385	Ɖ	D	730	97	1	u0044
386	Ð	Eth	730	30	1	u00D0
387	Ǻ	Dcaron	730	97	1	u010E
388	Đ	Dcroat	730	30	1	u0110
389	Ɛ	E	556	97	1	u0045
390	Ǝ	Eacute	556	97	1	u00C9
391	Ɛ	Ecaron	556	97	1	u011A
392	Ê	Ecircumflex	556	97	1	u00CA
393	Ë	Edieresis	556	97	1	u00CB
394	Ė	Edotaccent	556	97	1	u0116
395	È	Egrave	556	97	1	u00C8
396	Ě	Emacron	556	97	1	u0112
397	Ę	Eogonek	556	97	1	u0118
398	Ƒ	F	519	97	1	u0046
399	Ɠ	G	728	61	1	u0047
400	Ğ	Gbreve	728	61	1	u011E
401	Ɠ	uni0122	728	61	1	u0122
402	Ġ	Gdotaccent	728	61	1	u0120
403	Ƨ	H	741	97	1	u0048
404	Ĥ	Hbar	741	0	1	u0126
405	Ƨ	I	339	40	1	u0049
406	Ƨ	IJ	612	40	1	u0132
407	Í	Iacute	339	40	1	u00CD
408	Î	Icircumflex	339	1	1	u00CE
409	İ	Idieresis	339	30	1	u00CF
410	İ	Idotaccent	339	40	1	u0130
411	Ì	Igrave	339	40	1	u00CC
412	Ĭ	Imacron	339	21	1	u012A
413	Į	Iogonek	339	40	1	u012E
414	Ɛ	J	273	-78	1	u004A
415	Ƒ	K	619	97	1	u004B
416	Ƒ	uni0136	619	97	1	u0136
417	Ɛ	L	524	97	1	u004C
418	Ł	Lacute	524	87	1	u0139
419	Ł	Lcaron	524	97	1	u013D
420	Ł	uni013B	524	97	1	u013B
421	Ł	Lslash	524	13	1	u0141
422	Ɔ	M	907	97	1	u004D
423	Ɔ	N	760	97	1	u004E
424	Ń	Nacute	760	97	1	u0143
425	Ň	Ncaron	760	97	1	u0147
426	Ň	uni0145	760	97	1	u0145
427	Ñ	Ntilde	760	97	1	u00D1
428	Ɔ	Eng	760	97	1	u014A
429	Ɔ	O	781	61	1	u004F
430	Ó	Oacute	781	61	1	u00D3
431	Ô	Ocircumflex	781	61	1	u00D4
432	Ö	Odieresis	781	61	1	u00D6
433	Ò	Ograve	781	61	1	u00D2
434	Ő	Ohungarumlaut	781	61	1	u0150
435	Ō	Omacron	781	61	1	u014C
436	Ø	Oslash	781	61	1	u00D8
437	Õ	Otilde	781	61	1	u00D5

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
438	Œ	OE	928	61	1	u0152
439	Ɔ	P	605	97	1	u0050
440	Ɔ	Thorn	605	97	1	u00DE
441	Ɔ	Q	781	61	1	u0051
442	Ɔ	R	622	97	1	u0052
443	Ŕ	Racute	622	97	1	u0154
444	Ř	Rcaron	622	97	1	u0158
445	Ŗ	uni0156	622	97	1	u0156
446	Ŧ	S	549	51	1	u0053
447	Ŝ	Sacute	549	51	1	u015A
448	Š	Scaron	549	51	1	u0160
449	Ș	Scedilla	549	51	1	u015E
450	Ș	uni0218	549	51	1	u0218
451	Ƨ	uni1E9E	709	90	1	u1E9E
452	Ƨ	T	556	10	1	u0054
453	Ť	Tcaron	556	10	1	u0164
454	Ƨ	uni021A	556	10	1	u021A
455	Ƨ	U	731	90	1	u0055
456	Ů	Uacute	731	90	1	u00DA
457	Ü	Ubreve	731	90	1	u016C
458	Û	Ucircumflex	731	90	1	u00DB
459	Ü	Udieresis	731	90	1	u00DC
460	Ù	Ugrave	731	90	1	u00D9
461	Ű	Uhungarumlaut	731	90	1	u0170
462	Ū	Umacron	731	90	1	u016A
463	Ƨ	Uogonek	731	90	1	u0172
464	Ŭ	Uring	731	90	1	u016E
465	Ƨ	V	600	0	1	u0056
466	Ƨ	W	930	12	1	u0057
467	Ŵ	Wacute	930	12	1	u1E82
468	Ŷ	Wcircumflex	930	12	1	u0174
469	Ẁ	Wdieresis	930	12	1	u1E84
470	Ẃ	Wgrave	930	12	1	u1E80
471	Ƨ	X	586	4	1	u0058
472	Ƨ	Y	566	0	1	u0059
473	Ÿ	Yacute	566	0	1	u00DD
474	Ȳ	Ycircumflex	566	0	1	u0176
475	ȳ	Ydieresis	566	0	1	u0178
476	Ȳ	Ygrave	566	0	1	u1EF2
477	Ƨ	Z	572	38	1	u005A
478	Ż	Zacute	572	38	1	u0179
479	Ž	Zcaron	572	38	1	u017D
480	Ž	Zdotaccent	572	38	1	u017B
481	Ƨ	a	561	46	1	u0061
482	á	aacute	561	46	1	u00E1
483	ă	abreve	561	46	1	u0103
484	â	acircumflex	561	46	1	u00E2
485	ä	adieresis	561	46	1	u00E4
486	à	agrave	561	46	1	u00E0
487	ā	amacron	561	46	1	u0101
488	ą	aogonek	561	46	1	u0105
489	å	aring	561	46	1	u00E5
490	ã	atilde	561	46	1	u00E3
491	æ	ae	864	46	1	u00E6
492	Ƨ	b	615	85	1	u0062
493	Ƨ	c	480	55	1	u0063
494	ć	cacute	480	55	1	u0107
495	č	ccaron	480	55	1	u010D
496	ç	ccedilla	480	55	1	u00E7
497	ċ	cdotaccent	480	55	1	u010B
498	Ƨ	d	615	55	1	u0064
499	ð	eth	605	55	1	u00F0
500	đ	dcaron	615	55	1	u010F
501	ď	dcroat	617	55	1	u0111
502	Ƨ	e	564	55	1	u0065
503	é	eacute	564	55	1	u00E9
504	ë	ecaron	564	55	1	u011B
505	ê	ecircumflex	564	55	1	u00EA
506	ë	edieresis	564	55	1	u00EB
507	è	edotaccent	564	55	1	u0117
508	è	egrave	564	55	1	u00E8
509	ē	emacron	564	55	1	u0113

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
510	ę	eogonek	564	55	1	u0119
511	f	f	344	15	1	u0066
512	g	g	615	55	1	u0067
513	gbreve	gbreve	615	55	1	u011F
514	g	uni0123	615	55	1	u0123
515	g	gdotaccent	615	55	1	u0121
516	h	h	618	85	1	u0068
517	h	hbar	618	9	1	u0127
518	i	i	258	78	1	u0069
519	i	dotlessi	258	85	1	u0131
520	í	iacute	258	76	1	u00ED
521	î	icircumflex	258	-40	1	u00EE
522	ï	idieresis	258	-11	1	u00EF
523	ì	igrave	258	-1	1	u00EC
524	ij	ij	516	78	1	u0133
525	ī	imacron	258	-20	1	u012B
526	j	iogonek	258	27	1	u012F
527	j	j	258	-55	1	u006A
528	j	uni0237	258	-55	1	u0237
529	k	k	534	85	1	u006B
530	k	uni0137	534	85	1	u0137
531	l	l	258	85	1	u006C
532	í	lacute	258	76	1	u013A
533	l	lcaron	258	85	1	u013E
534	l	uni013C	258	65	1	u013C
535	ł	lslash	258	-9	1	u0142
536	m	m	935	85	1	u006D
537	n	n	618	85	1	u006E
538	ń	nacute	618	85	1	u0144
539	ň	ncaron	618	85	1	u0148
540	ñ	uni0146	618	85	1	u0146
541	ñ	ntilde	618	85	1	u00F1
542	ŋ	eng	618	85	1	u014B
543	o	o	605	55	1	u006F
544	ó	oacute	605	55	1	u00F3
545	ô	ocircumflex	605	55	1	u00F4
546	ö	odieresis	605	55	1	u00F6
547	ò	ograve	605	55	1	u00F2
548	ő	ohungarumlaut	605	55	1	u0151
549	ō	omacron	605	55	1	u014D
550	ø	oslash	605	55	1	u00F8
551	õ	otilde	605	55	1	u00F5
552	œ	oe	946	54	1	u0153
553	p	p	615	85	1	u0070
554	p	thorn	615	85	1	u00FE
555	q	q	615	55	1	u0071
556	r	r	413	85	1	u0072
557	ř	racute	413	85	1	u0155
558	ř	rcaron	413	71	1	u0159
559	ŕ	uni0157	413	62	1	u0157
560	s	s	479	51	1	u0073
561	ś	sacute	479	51	1	u015B
562	š	scaron	479	51	1	u0161
563	ş	scedilla	479	51	1	u015F
564	ş	uni0219	479	51	1	u0219
565	ß	germandbls	631	85	1	u00DF
566	t	t	361	16	1	u0074
567	ť	tcaron	361	16	1	u0165
568	ţ	uni021B	361	16	1	u021B
569	u	u	618	79	1	u0075
570	ú	uacute	618	79	1	u00FA
571	ü	ubreve	618	79	1	u016D
572	û	ucircumflex	618	79	1	u00FB
573	ü	udieresis	618	79	1	u00FC
574	ù	ugrave	618	79	1	u00F9
575	ű	uhungarumlaut	618	79	1	u0171
576	ū	umacron	618	79	1	u016B
577	u	uogonek	618	79	1	u0173
578	ů	uring	618	79	1	u016F
579	v	v	508	0	1	u0076
580	w	w	786	11	1	u0077
581	ŵ	wacute	786	11	1	u1E83
582	ŵ	wcircumflex	786	11	1	u0175
583	ŵ	wdieresis	786	11	1	u1E85

Index	Glyph	Name	Adv. Width	lsb	Class	Chars
584	ŵ	wgrave	786	11	1	u1E81
585	x	x	529	18	1	u0078
586	y	y	510	1	1	u0079
587	ý	yacute	510	1	1	u00FD
588	ŷ	ycircumflex	510	1	1	u0177
589	ÿ	ydieresis	510	1	1	u00FF
590	ÿ	ygrave	510	1	1	u1EF3
591	z	z	470	39	1	u007A
592	ž	zacute	470	39	1	u017A
593	ž	zcaron	470	39	1	u017E
594	ž	zdotaccent	470	39	1	u017C
595	ª	ordfeminine	357	32	1	u00AA
596	º	ordmasculine	376	32	1	u00BA
597	¡	exclamdown	269	72	0	u00A1
598	¿	questiondown	434	24	0	u00BF
599	·	periodcentered	268	72	0	u00B7
600	•	bullet	376	77	0	u2022
601	,	quotesinglbase	250	31	0	u201A
602	„	quotedblbase	416	31	0	u201E
603	‹	guilsinglleft	310	40	0	u2039
604	›	guilsinglright	310	39	0	u203A
605	@	at	899	58	0	u0040
606	&	ampersand	732	53	0	u0026
607	¶	paragraph	655	55	0	u00B6
608	§	section	513	59	0	u00A7
609	©	copyright	832	49	0	u00A9
610	®	registered	832	49	0	u00AE
611	™	trademark	773	17	0	u2122
612	¢	cent	572	91	0	u00A2
613	\$	dollar	572	62	0	u0024
614	€	Euro	572	23	0	u20AC
615	£	sterling	572	32	0	u00A3
616	¥	yen	572	14	0	u00A5
617	ˆ	uni0302	0	-167	3	u0302
618	ˆ	uni030C	0	-169	3	u030C
619	ˆ	uni0306	0	-155	3	u0306
620	ˆ	uni030A	0	-108	3	u030A
621	˜	tildecomb	0	-491	3	u0303
622	˙	uni0312	0	-79	3	u0312
623	˙	uni0326	0	-64	3	u0326
624	˙	uni0327	0	-98	3	u0327
625	˙	uni0328	0	-82	3	u0328
626	¨	dieresis	580	149	0	u00A8
627	`	grave	281	40	0	u0060
628	´	acute	281	40	0	u00B4
629	˘	hungarumlaut	439	40	0	u02DD
630	ˆ	circumflex	418	40	0	u02C6
631	˘	caron	418	40	0	u02C7
632	˘	breve	391	40	0	u02D8
633	ˆ	ring	300	40	0	u02DA
634	˜	tilde	447	40	0	u02DC
635	ˉ	overscore	500	-3	0	u00AF
636	¸	cedilla	225	14	0	u00B8
637	˙	ogonek	245	40	0	u02DB
638	ˆ	macronmod	377	40	0	u02C9
639	ˆ	caroncommaaccent	500	190	0	
640	ˆ	commaaccentrotate	500	185	0	

6 OpenType Features

Feature	Description	Scripts	Lookup Tables
akhn	Akhand	mlm2	35
akhn	Akhand	mlm2-MAL	36
akhn	Akhand	mlym	37
akhn	Akhand	mlym-MAL	38
blwf	Below-base Forms	mlym, mlym-MAL	42, 43
ccmp	Glyph Composition/Decomposition	latn-MOL, latn-ROM, mlm2, mlm2-MAL, mlym, mlym-MAL	64, 64, 64, 64, 64, 64, 64, 66, 66, 66, 66, 66, 66, 66
half	Half Forms	mlym, mlym-MAL	41
haln	Halant Forms	mlym, mlym-MAL	63
locl	Localized Forms	latn-MOL	67
locl	Localized Forms	latn-ROM	68
pref	Pre-base Forms	mlm2, mlm2-MAL	39, 40
pstf	Post-base Forms	mlm2, mlm2-MAL	44, 45
pstf	Post-base Forms	mlym, mlym-MAL	46
psts	Post-base Substitutions	mlm2, mlm2-MAL	47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 24
psts	Post-base Substitutions	mlym, mlym-MAL	59, 60, 61, 48, 62, 50, 51, 52, 53, 54, 55, 56, 57, 58, 24
rlig	Required Ligatures	mlm2, mlm2-MAL, mlym, mlym-MAL	24, 34

7 GSUB Substitutions

Table	Feature	Substitution
0		ᳵ(aavowelsignmlym)→(candrabindumlym)
0		ᳶ(anusvaramlym)→(candrabindumlym)
0		᳷(aulengthmarkmlym)→(candrabindumlym)
0		᳸(ii vowelsignmlym)→(candrabindumlym)
0		᳹(ivowelsignmlym)→(candrabindumlym)
0		ᳺ(llvocalicvowelsignaltmlym)→(candrabindumlym)
0		᳻(lvocalicvowelsignaltmlym)→(candrabindumlym)
0		᳼(rrvocalicvowelsignmlym)→(candrabindumlym)
0		᳽(rvocalicvowelsignmlym)→(candrabindumlym)
0		᳾(uuvowelsignmlym)→(candrabindumlym)
0		᳿(uvowelsignmlym)→(candrabindumlym)
0		᳠(vapostaltmlym)→(candrabindumlym)
0		᳡(vapostmlym)→(candrabindumlym)
0		᳢(visargamlym)→(candrabindumlym)
0		᳣(yapostaltmlym)→(candrabindumlym)
0		᳤(yapostmlym)→(candrabindumlym)
1		ᳶ(aavowelsignmlym)→(uni0951)
1		᳷(anusvaramlym)→(uni0951)
1		᳸(aulengthmarkmlym)→(uni0951)
1		᳹(ii vowelsignmlym)→(uni0951)
1		ᳺ(ivowelsignmlym)→(uni0951)
1		᳻(llvocalicvowelsignaltmlym)→(uni0951)
1		᳼(lvocalicvowelsignaltmlym)→(uni0951)
1		᳽(rrvocalicvowelsignmlym)→(uni0951)
1		᳾(rvocalicvowelsignmlym)→(uni0951)
1		᳿(uuvowelsignmlym)→(uni0951)
1		᳠(uvowelsignmlym)→(uni0951)
1		᳡(vapostaltmlym)→(uni0951)
1		᳢(vapostmlym)→(uni0951)
1		᳣(visargamlym)→(uni0951)
1		᳤(yapostaltmlym)→(uni0951)
1		᳥(yapostmlym)→(uni0951)
2		ᳶ(aavowelsignmlym)→(uni0952)
2		᳷(anusvaramlym)→(uni0952)
2		᳸(aulengthmarkmlym)→(uni0952)
2		᳹(ii vowelsignmlym)→(uni0952)
2		ᳺ(ivowelsignmlym)→(uni0952)
2		᳻(llvocalicvowelsignaltmlym)→(uni0952)
2		᳼(lvocalicvowelsignaltmlym)→(uni0952)
2		᳽(rrvocalicvowelsignmlym)→(uni0952)
2		᳾(rvocalicvowelsignmlym)→(uni0952)
2		᳿(uuvowelsignmlym)→(uni0952)
2		᳠(uvowelsignmlym)→(uni0952)
2		᳡(vapostaltmlym)→(uni0952)
2		᳢(vapostmlym)→(uni0952)
2		᳣(visargamlym)→(uni0952)
2		᳤(yapostaltmlym)→(uni0952)
2		᳥(yapostmlym)→(uni0952)
3		ᳶ(aavowelsignmlym)→(uni1CDA)
3		᳷(anusvaramlym)→(uni1CDA)
3		᳸(aulengthmarkmlym)→(uni1CDA)
3		᳹(ii vowelsignmlym)→(uni1CDA)
3		ᳺ(ivowelsignmlym)→(uni1CDA)
3		᳻(llvocalicvowelsignaltmlym)→(uni1CDA)
3		᳼(lvocalicvowelsignaltmlym)→(uni1CDA)
3		᳽(rrvocalicvowelsignmlym)→(uni1CDA)
3		᳾(rvocalicvowelsignmlym)→(uni1CDA)
3		᳿(uuvowelsignmlym)→(uni1CDA)
3		᳠(uvowelsignmlym)→(uni1CDA)
3		᳡(vapostaltmlym)→(uni1CDA)
3		᳢(vapostmlym)→(uni1CDA)
3		᳣(visargamlym)→(uni1CDA)
3		᳤(yapostaltmlym)→(uni1CDA)
3		᳥(yapostmlym)→(uni1CDA)
4		ᳶ(aavowelsignmlym)→(uni0D00)
4		᳷(anusvaramlym)→(uni0D00)
4		᳸(aulengthmarkmlym)→(uni0D00)
4		᳹(ii vowelsignmlym)→(uni0D00)
4		ᳺ(ivowelsignmlym)→(uni0D00)
4		᳻(llvocalicvowelsignaltmlym)→(uni0D00)

Table	Feature	Substitution
4		ᳵ(lvocalicvowelstmlm)→(uni0D00)
4		ᳶ(rrvocalicvowelstmlm)→(uni0D00)
4		᳷(rvocalicvowelstmlm)→(uni0D00)
4		᳸(uuvowelstmlm)→(uni0D00)
4		᳹(uvowelstmlm)→(uni0D00)
4		ᳺ(vapostaltmlm)→(uni0D00)
4		᳻(vapostmlm)→(uni0D00)
4		᳼(visargamlym)→(uni0D00)
4		᳽(yapostaltmlm)→(uni0D00)
4		᳾(yapostmlm)→(uni0D00)
5		᳿(aavowelstmlm)→(candrabindu_0951mlym)
5		᳾(anusvaramlym)→(candrabindu_0951mlym)
5		᳾(aulengthmarkmlm)→(candrabindu_0951mlym)
5		᳾(ii vowelstmlm)→(candrabindu_0951mlym)
5		᳾(i vowelstmlm)→(candrabindu_0951mlym)
5		᳾(llvocalicvowelstmlm)→(candrabindu_0951mlym)
5		᳾(lvocalicvowelstmlm)→(candrabindu_0951mlym)
5		᳾(rrvocalicvowelstmlm)→(candrabindu_0951mlym)
5		᳾(rvocalicvowelstmlm)→(candrabindu_0951mlym)
5		᳾(uuvowelstmlm)→(candrabindu_0951mlym)
5		᳾(uvowelstmlm)→(candrabindu_0951mlym)
5		᳾(vapostaltmlm)→(candrabindu_0951mlym)
5		᳾(vapostmlm)→(candrabindu_0951mlym)
5		᳾(visargamlym)→(candrabindu_0951mlym)
5		᳾(yapostaltmlm)→(candrabindu_0951mlym)
5		᳾(yapostmlm)→(candrabindu_0951mlym)
6		᳿(aavowelstmlm)→(candrabindu_0952mlym)
6		᳾(anusvaramlym)→(candrabindu_0952mlym)
6		᳾(aulengthmarkmlm)→(candrabindu_0952mlym)
6		᳾(ii vowelstmlm)→(candrabindu_0952mlym)
6		᳾(i vowelstmlm)→(candrabindu_0952mlym)
6		᳾(llvocalicvowelstmlm)→(candrabindu_0952mlym)
6		᳾(lvocalicvowelstmlm)→(candrabindu_0952mlym)
6		᳾(rrvocalicvowelstmlm)→(candrabindu_0952mlym)
6		᳾(rvocalicvowelstmlm)→(candrabindu_0952mlym)
6		᳾(uuvowelstmlm)→(candrabindu_0952mlym)
6		᳾(uvowelstmlm)→(candrabindu_0952mlym)
6		᳾(vapostaltmlm)→(candrabindu_0952mlym)
6		᳾(vapostmlm)→(candrabindu_0952mlym)
6		᳾(visargamlym)→(candrabindu_0952mlym)
6		᳾(yapostaltmlm)→(candrabindu_0952mlym)
6		᳾(yapostmlm)→(candrabindu_0952mlym)
7		᳿(aavowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(anusvaramlym)→(candrabindu_1CDAmlym)
7		᳾(aulengthmarkmlm)→(candrabindu_1CDAmlym)
7		᳾(ii vowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(i vowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(llvocalicvowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(lvocalicvowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(rrvocalicvowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(rvocalicvowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(uuvowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(uvowelstmlm)→(candrabindu_1CDAmlym)
7		᳾(vapostaltmlm)→(candrabindu_1CDAmlym)
7		᳾(vapostmlm)→(candrabindu_1CDAmlym)
7		᳾(visargamlym)→(candrabindu_1CDAmlym)
7		᳾(yapostaltmlm)→(candrabindu_1CDAmlym)
7		᳾(yapostmlm)→(candrabindu_1CDAmlym)
8		(candrabindu_0951mlym)→᳾(anusvaramlym)
8		(candrabindu_0952mlym)→᳾(anusvaramlym)
8		(candrabindu_1CDAmlym)→᳾(anusvaramlym)
8		(candrabindumlym)→᳾(anusvaramlym)
8		(uni0951)→᳾(anusvaramlym)
8		(uni0952)→᳾(anusvaramlym)
8		(uni0D00)→᳾(anusvaramlym)
8		(uni1CDA)→᳾(anusvaramlym)
9		(candrabindu_0951mlym)→᳾(visargamlym)
9		(candrabindu_0952mlym)→᳾(visargamlym)
9		(candrabindu_1CDAmlym)→᳾(visargamlym)
9		(candrabindumlym)→᳾(visargamlym)
9		(uni0951)→᳾(visargamlym)
9		(uni0952)→᳾(visargamlym)
9		(uni0D00)→᳾(visargamlym)

Table	Feature	Substitution
9		(uni1CDA)→8(visargamlym)
10		(candrabindu_0951mlym)→3(aavowelsignmlym)
10		(candrabindu_0952mlym)→3(aavowelsignmlym)
10		(candrabindu_1CDAmlym)→3(aavowelsignmlym)
10		(candrabindumlym)→3(aavowelsignmlym)
10		(uni0951)→3(aavowelsignmlym)
10		(uni0952)→3(aavowelsignmlym)
10		(uni0D00)→3(aavowelsignmlym)
10		(uni1CDA)→3(aavowelsignmlym)
11		(candrabindu_0951mlym)→1(ivowelsignmlym)
11		(candrabindu_0952mlym)→1(ivowelsignmlym)
11		(candrabindu_1CDAmlym)→1(ivowelsignmlym)
11		(candrabindumlym)→1(ivowelsignmlym)
11		(uni0951)→1(ivowelsignmlym)
11		(uni0952)→1(ivowelsignmlym)
11		(uni0D00)→1(ivowelsignmlym)
11		(uni1CDA)→1(ivowelsignmlym)
12		(candrabindu_0951mlym)→1(iivowelsignmlym)
12		(candrabindu_0952mlym)→1(iivowelsignmlym)
12		(candrabindu_1CDAmlym)→1(iivowelsignmlym)
12		(candrabindumlym)→1(iivowelsignmlym)
12		(uni0951)→1(iivowelsignmlym)
12		(uni0952)→1(iivowelsignmlym)
12		(uni0D00)→1(iivowelsignmlym)
12		(uni1CDA)→1(iivowelsignmlym)
13		(candrabindu_0951mlym)→2(uvowelsignmlym)
13		(candrabindu_0952mlym)→2(uvowelsignmlym)
13		(candrabindu_1CDAmlym)→2(uvowelsignmlym)
13		(candrabindumlym)→2(uvowelsignmlym)
13		(uni0951)→2(uvowelsignmlym)
13		(uni0952)→2(uvowelsignmlym)
13		(uni0D00)→2(uvowelsignmlym)
13		(uni1CDA)→2(uvowelsignmlym)
14		(candrabindu_0951mlym)→2(uuvowelsignmlym)
14		(candrabindu_0952mlym)→2(uuvowelsignmlym)
14		(candrabindu_1CDAmlym)→2(uuvowelsignmlym)
14		(candrabindumlym)→2(uuvowelsignmlym)
14		(uni0951)→2(uuvowelsignmlym)
14		(uni0952)→2(uuvowelsignmlym)
14		(uni0D00)→2(uuvowelsignmlym)
14		(uni1CDA)→2(uuvowelsignmlym)
15		(candrabindu_0951mlym)→2(rvocalicvowelsignmlym)
15		(candrabindu_0952mlym)→2(rvocalicvowelsignmlym)
15		(candrabindu_1CDAmlym)→2(rvocalicvowelsignmlym)
15		(candrabindumlym)→2(rvocalicvowelsignmlym)
15		(uni0951)→2(rvocalicvowelsignmlym)
15		(uni0952)→2(rvocalicvowelsignmlym)
15		(uni0D00)→2(rvocalicvowelsignmlym)
15		(uni1CDA)→2(rvocalicvowelsignmlym)
16		(candrabindu_0951mlym)→2(rrvocalicvowelsignmlym)
16		(candrabindu_0952mlym)→2(rrvocalicvowelsignmlym)
16		(candrabindu_1CDAmlym)→2(rrvocalicvowelsignmlym)
16		(candrabindumlym)→2(rrvocalicvowelsignmlym)
16		(uni0951)→2(rrvocalicvowelsignmlym)
16		(uni0952)→2(rrvocalicvowelsignmlym)
16		(uni0D00)→2(rrvocalicvowelsignmlym)
16		(uni1CDA)→2(rrvocalicvowelsignmlym)
17		(candrabindu_0951mlym)→3(aulengthmarkmlym)
17		(candrabindu_0952mlym)→3(aulengthmarkmlym)
17		(candrabindu_1CDAmlym)→3(aulengthmarkmlym)
17		(candrabindumlym)→3(aulengthmarkmlym)
17		(uni0951)→3(aulengthmarkmlym)
17		(uni0952)→3(aulengthmarkmlym)
17		(uni0D00)→3(aulengthmarkmlym)
17		(uni1CDA)→3(aulengthmarkmlym)
18		(candrabindu_0951mlym)→3(lvocalicvowelsignaltmlym)
18		(candrabindu_0952mlym)→3(lvocalicvowelsignaltmlym)
18		(candrabindu_1CDAmlym)→3(lvocalicvowelsignaltmlym)
18		(candrabindumlym)→3(lvocalicvowelsignaltmlym)
18		(uni0951)→3(lvocalicvowelsignaltmlym)
18		(uni0952)→3(lvocalicvowelsignaltmlym)
18		(uni0D00)→3(lvocalicvowelsignaltmlym)
18		(uni1CDA)→3(lvocalicvowelsignaltmlym)

Table	Feature	Substitution
19		(candrabindu_0951mlym)→(llvocalicvowelsignaltmlym)
19		(candrabindu_0952mlym)→(llvocalicvowelsignaltmlym)
19		(candrabindu_1CDAmlym)→(llvocalicvowelsignaltmlym)
19		(candrabindumlym)→(llvocalicvowelsignaltmlym)
19		(uni0951)→(llvocalicvowelsignaltmlym)
19		(uni0952)→(llvocalicvowelsignaltmlym)
19		(uni0D00)→(llvocalicvowelsignaltmlym)
19		(uni1CDA)→(llvocalicvowelsignaltmlym)
20		(candrabindu_0951mlym)→(yapostmlym)
20		(candrabindu_0952mlym)→(yapostmlym)
20		(candrabindu_1CDAmlym)→(yapostmlym)
20		(candrabindumlym)→(yapostmlym)
20		(uni0951)→(yapostmlym)
20		(uni0952)→(yapostmlym)
20		(uni0D00)→(yapostmlym)
20		(uni1CDA)→(yapostmlym)
21		(candrabindu_0951mlym)→(vapostmlym)
21		(candrabindu_0952mlym)→(vapostmlym)
21		(candrabindu_1CDAmlym)→(vapostmlym)
21		(candrabindumlym)→(vapostmlym)
21		(uni0951)→(vapostmlym)
21		(uni0952)→(vapostmlym)
21		(uni0D00)→(vapostmlym)
21		(uni1CDA)→(vapostmlym)
22		(candrabindu_0951mlym)→(yapostaltmlym)
22		(candrabindu_0952mlym)→(yapostaltmlym)
22		(candrabindu_1CDAmlym)→(yapostaltmlym)
22		(candrabindumlym)→(yapostaltmlym)
22		(uni0951)→(yapostaltmlym)
22		(uni0952)→(yapostaltmlym)
22		(uni0D00)→(yapostaltmlym)
22		(uni1CDA)→(yapostaltmlym)
23		(candrabindu_0951mlym)→(J(vapostaltmlym)
23		(candrabindu_0952mlym)→(J(vapostaltmlym)
23		(candrabindu_1CDAmlym)→(J(vapostaltmlym)
23		(candrabindumlym)→(J(vapostaltmlym)
23		(uni0951)→(J(vapostaltmlym)
23		(uni0952)→(J(vapostaltmlym)
23		(uni0D00)→(J(vapostaltmlym)
23		(uni1CDA)→(J(vapostaltmlym)
24	psts, rlig	(dhamlym) (uni0307)→(dhadotabove)
24	psts, rlig	(dhamlym) (uni0323)→(dhadotbelow)
24	psts, rlig	(gamlym) (uni0307)→(gadotabove)
24	psts, rlig	(gamlym) (uni0323)→(gadotbelow)
24	psts, rlig	(mamlym) (uni0307)→(madotabove)
24	psts, rlig	(mamlym) (uni0323)→(madotbelow)
24	psts, rlig	(namlym) (ivowelsignmlym) (uni0307)→(nidotabove)
24	psts, rlig	(namlym) (ivowelsignmlym) (uni0323)→(nidotbelow)
24	psts, rlig	(namlym) (uni0307) (ivowelsignmlym)→(nidotabove)
24	psts, rlig	(namlym) (uni0323) (ivowelsignmlym)→(nidotbelow)
24	psts, rlig	(pamlym) (uni0307)→(padotabove)
24	psts, rlig	(pamlym) (uni0323)→(padotbelow)
24	psts, rlig	(ramlym) (ivowelsignmlym) (uni0307)→(ridotabove)
24	psts, rlig	(ramlym) (ivowelsignmlym) (uni0323)→(ridotbelow)
24	psts, rlig	(ramlym) (uni0307) (ivowelsignmlym)→(ridotabove)
24	psts, rlig	(ramlym) (uni0323) (ivowelsignmlym)→(ridotbelow)
24	psts, rlig	(samlym) (uni0307)→(sadotabove)
24	psts, rlig	(samlym) (uni0323)→(sadotbelow)
25		(vapostmlym)→(viramamlym)
25		(yapostmlym)→(viramamlym)
26		(vapostmlym)→(vavamlym)
26		(yapostmlym)→(yayamlym)
27		(rapostmlym)→(viramamlym) (ramlym)
27		(vapostmlym)→(viramamlym) (vamlym)
28		(babamlym)→(bamlym) (viramamlym) (bamlym)
28		(badamlym)→(bamlym) (viramamlym) (damlym)
28		(badhamlym)→(bamlym) (viramamlym) (dhamlym)
28		(balamlym)→(bamlym) (viramamlym) (lamlym)
28		(cacamlym)→(camlym) (viramamlym) (camlym)
28		(cachamlym)→(camlym) (viramamlym) (chamlym)
28		(dadamlym)→(damlym) (viramamlym) (damlym)
28		(ddaddamlym)→(ddamlym) (viramamlym) (ddamlym)
28		(ddaddhamlym)→(ddamlym) (viramamlym) (ddhamlym)

Table	Feature	Substitution
28		ഗ (gagamlym)→ഗ (gamlym) ^വ (viramamlym) ഗ (gamlym)
28		ഗ (galamlym)→ഗ (gamlym) ^വ (viramamlym) ല (lamlym)
28		ഹ (halamlym)→ഹ (hamlym) ^വ (viramamlym) ല (lamlym)
28		ക (kalamlym)→ക (kamlym) ^വ (viramamlym) ല (lamlym)
28		ക (kattamlym)→ക (kamlym) ^വ (viramamlym) ട (ttamlym)
28		ല (lalamlym)→ല (lamlym) ^വ (viramamlym) ല (lamlym)
28		ല (lapamlym)→ല (lamlym) ^വ (viramamlym) പ (pamlym)
28		മ (malamlym)→മ (mamlym) ^വ (viramamlym) ല (lamlym)
28		മ്പ (mapalamlym)→മ്പ (mapamlym) ^വ (viramamlym) ല (lamlym)
28		ങ്ക (ngakalamlym)→ങ്ക (ngakamlym) ^വ (viramamlym) ല (lamlym)
28		ണ്ണ (nnannamlym)→ണ്ണ (nnamlym) ^വ (viramamlym) ണ (nnamlym)
28		പ്പ (palamlym)→പ (pamlym) ^വ (viramamlym) ല (lamlym)
28		പ (papamlym)→പ (pamlym) ^വ (viramamlym) പ (pamlym)
28		പ (patamlym)→പ (pamlym) ^വ (viramamlym) ത (tamlym)
28		ഫ (phalamlym)→ഫ (phamlym) ^വ (viramamlym) ല (lamlym)
28		റ (rrarramlym)→റ (rramlym) ^വ (viramamlym) റ (rramlym)
28		സ്സ (salamlym)→സ്സ (samlym) ^വ (viramamlym) ല (lamlym)
28		സ്സ (sarrarramlym)→സ്സ (samlym) ^വ (viramamlym) റ്റ (rraprehalfmlym) റ (rramlym)
28		സ്സ (sasamlym)→സ്സ (samlym) ^വ (viramamlym) സ്സ (samlym)
28		ശ (shalamlym)→ശ (shamlym) ^വ (viramamlym) ല (lamlym)
28		ശ (shashamlym)→ശ (shamlym) ^വ (viramamlym) ശ (shamlym)
28		ഷ (ssattamlym)→ഷ (ssamlym) ^വ (viramamlym) ട (ttamlym)
28		ത (talamlym)→ത (tamlym) ^വ (viramamlym) ല (lamlym)
28		ട്ട (ttattamlym)→ട്ട (ttamlym) ^വ (viramamlym) ട (ttamlym)
28		വ്വ (valamlym)→വ (vamlym) ^വ (viramamlym) ല (lamlym)
28		വ്വ (vavamlym)→വ (vamlym) ^വ (viramamlym) വ (vamlym)
28		യ്യാ (yayamlym)→യ (yamlym) ^വ (viramamlym) യ (yamlym)
29		ബ (babamlym)→ബ് (baprehalfmlym) ബ (bamlym)
29		ബ (badamlym)→ബ് (baprehalfmlym) ദ (damlym)
29		ബ (badhamlym)→ബ് (baprehalfmlym) ധ (dhamlym)
29		ബ്ബ (balamlym)→ബ് (baprehalfmlym) ല (lamlym)
29		ച (cacamlym)→ച് (caprehalfmlym) ച (camlym)
29		ച (cachamlym)→ച് (caprehalfmlym) ഛ (chamlym)
29		ദ (dadamlym)→ദ് (daprehalfmlym) ദ (damlym)
29		ഡ്ഡ (ddaddamlym)→ഡ് (ddaprehalfmlym) ഡ (ddamlym)
29		ഡ്ഡ (ddaddhamlym)→ഡ് (ddaprehalfmlym) ഡ്ഡ (ddhamlym)
29		ഗ (gagamlym)→ഗ് (gaprehalfmlym) ഗ (gamlym)
29		ഗ (galamlym)→ഗ് (gaprehalfmlym) ല (lamlym)
29		ഹ (halamlym)→ഹ് (haprehalfmlym) ല (lamlym)
29		ക (kalamlym)→ക് (kaprehalfmlym) ല (lamlym)
29		ക (kattamlym)→ക് (kaprehalfmlym) ട (ttamlym)
29		ല (lalamlym)→ല് (laprehalfmlym) ല (lamlym)
29		ല (lapamlym)→ല് (laprehalfmlym) പ (pamlym)
29		മ (malamlym)→മ് (maprehalfmlym) ല (lamlym)
29		മ്പ (mapalamlym)→മ്പ (mapamlym) ^വ (viramamlym) ല (lamlym)
29		ങ്ക (ngakalamlym)→ങ്ക (ngakamlym) ^വ (viramamlym) ല (lamlym)
29		ണ്ണ (nnannamlym)→ണ്ണ (nnaprehalfmlym) ണ (nnamlym)
29		പ്പ (palamlym)→പ് (paprehalfmlym) ല (lamlym)
29		പ (papamlym)→പ് (paprehalfmlym) പ (pamlym)
29		പ (patamlym)→പ് (paprehalfmlym) ത (tamlym)
29		ഫ (phalamlym)→ഫ് (phaprehalfmlym) ല (lamlym)
29		റ (rrarramlym)→റ്റ് (rraprehalfmlym) റ (rramlym)
29		സ്സ (salamlym)→സ് (saprehalfmlym) ല (lamlym)
29		സ്സ (sarrarramlym)→സ് (saprehalfmlym) റ്റ (rraprehalfmlym) റ (rramlym)
29		സ്സ (sasamlym)→സ് (saprehalfmlym) സ്സ (samlym)
29		ശ (shalamlym)→ശ് (shaprehalfmlym) ല (lamlym)
29		ശ (shashamlym)→ശ് (shaprehalfmlym) ശ (shamlym)
29		ഷ (ssattamlym)→ഷ് (ssaprehalfmlym) ട (ttamlym)
29		ത (talamlym)→ത് (taprehalfmlym) ല (lamlym)
29		ട്ട (ttattamlym)→ട്ട് (ttaprehalfmlym) ട (ttamlym)
29		വ്വ (valamlym)→വ് (vaprehalfmlym) ല (lamlym)
29		വ്വ (vavamlym)→വ് (vaprehalfmlym) ല (lamlym)
29		യ്യാ (yayamlym)→യ് (yaprehalfmlym) ല (lamlym)
30		(rapostmlym)→ (rapostaltmlym)
31		(rephmlym) ീ (iivowelsignmlym)→ (rephiivowelmlym)
31		(rephmlym) ി (ivowelsignmlym)→ (rephivowelmlym)
31		(rephmlym) ^വ (viramamlym)→ (rephviramamlym)
31		^വ (viramamlym) (rephmlym)→ (rephviramamlym)
32		ീ (iivowelsignmlym)→ ീ (iivowelsignalt2mlym)
32		ി (ivowelsignmlym)→ ി (ivowelsignalt2mlym)
33		ീ (iivowelsignmlym)→ ീ (iivowelsignaltmlym)
33		ി (ivowelsignmlym)→ ി (iivowelsignaltmlym)
33		(lvocalicvowelsignmlym)→ (lvocalicvowelsignaltmlym)
33		(lvocalicvowelsignmlym)→ (lvocalicvowelsignaltmlym)

Table	Feature	Substitution
36	akhn	ന(namlym)^(viramamlym) ഹ(uni200D)→ൻ(nachillumlym)
36	akhn	ന(namlym)^(viramamlym) ഹ(uni200D) റ(ramlym)→ൻ(narramlym)
36	akhn	ങ(ngamlym)^(viramamlym) ക(kamlym)→ങ(ngakamlym)
36	akhn	ങ(ngamlym)^(viramamlym) ക(kamlym)^(viramamlym) ല(lamlym)→ങ(ngakalamlym)
36	akhn	ങ(ngamlym)^(viramamlym) ങ(ngamlym)→ങ(ngangamlym)
36	akhn	ണ(nnamlym)^(viramamlym) ഡ(ddhamlym)→ണ(ṇṇamlym)
36	akhn	ണ(nnamlym)^(viramamlym) ഡ(ddamlym)→ണ(ṇṇamlym)
36	akhn	ണ(nnamlym)^(viramamlym) മ(mamlym)→ണ(ṇṇamlym)
36	akhn	ണ(nnamlym)^(viramamlym) ണ(nnamlym)→ണ(ṇṇamlym)
36	akhn	ണ(nnamlym)^(viramamlym) ട(ttamlym)→ണ(ṇṇamlym)
36	akhn	ണ(nnamlym)^(viramamlym) ഹ(uni200D)→ണ(ṇṇamlym)
36	akhn	ഞ(nyamlym)^(viramamlym) ഛ(chamlym)→ഞ(ṇṇamlym)
36	akhn	ഞ(nyamlym)^(viramamlym) ച(camlym)→ഞ(ṇṇamlym)
36	akhn	ഞ(nyamlym)^(viramamlym) ജ(jamlym)→ഞ(ṇṇamlym)
36	akhn	ഞ(nyamlym)^(viramamlym) ഞ(nyamlym)→ഞ(ṇṇamlym)
36	akhn	പ(pamlym)^(viramamlym) ത(tamlym)→പ(ṇṇamlym)
36	akhn	പ(pamlym)^(viramamlym) ല(lamlym)→പ(ṇṇamlym)
36	akhn	പ(pamlym)^(viramamlym) പ(pamlym)→പ(ṇṇamlym)
36	akhn	ഫ(phamlym)^(viramamlym) ല(lamlym)→ഫ(ṇṇamlym)
36	akhn	ര(ramlym)^(viramamlym) ഹ(uni200D)→ര(ṇṇamlym)
36	akhn	റ(ramlym)^(viramamlym) റ(ramlym)→റ(ṇṇamlym)
36	akhn	സ(samlym)^(viramamlym) ഡ(ddhamlym)→സ(ṇṇamlym)
36	akhn	സ(samlym)^(viramamlym) ല(lamlym)→സ(ṇṇamlym)
36	akhn	സ(samlym)^(viramamlym) റ(ramlym)^(viramamlym) റ(ramlym)→സ(ṇṇamlym)
36	akhn	സ(samlym)^(viramamlym) സ(samlym)→സ(ṇṇamlym)
36	akhn	സ(samlym)^(viramamlym) ഡ(ddhamlym)→സ(ṇṇamlym)
36	akhn	ശ(shamlym)^(viramamlym) ഛ(chamlym)→ശ(ṇṇamlym)
36	akhn	ശ(shamlym)^(viramamlym) ച(camlym)→ശ(ṇṇamlym)
36	akhn	ശ(shamlym)^(viramamlym) ല(lamlym)→ശ(ṇṇamlym)
36	akhn	ശ(shamlym)^(viramamlym) ശ(shamlym)→ശ(ṇṇamlym)
36	akhn	ഷ(ssamlym)^(viramamlym) ട(ttamlym)→ഷ(ṇṇamlym)
36	akhn	ത(tamlym)^(viramamlym) ട(ttamlym)→ത(ṇṇamlym)
36	akhn	ത(tamlym)^(viramamlym) ട(ttamlym)→ത(ṇṇamlym)
36	akhn	ത(tamlym)^(viramamlym) ല(lamlym)→ത(ṇṇamlym)
36	akhn	ത(tamlym)^(viramamlym) മ(mamlym)→ത(ṇṇamlym)
36	akhn	ത(tamlym)^(viramamlym) ന(namlym)→ത(ṇṇamlym)
36	akhn	ത(tamlym)^(viramamlym) സ(samlym)→ത(ṇṇamlym)
36	akhn	ത(tamlym)^(viramamlym) ത(tamlym)→ത(ṇṇamlym)
36	akhn	ത(tamlym)^(viramamlym) ഡ(ddhamlym)→ത(ṇṇamlym)
36	akhn	ട(ttamlym)^(viramamlym) ട(ttamlym)→ട(ṇṇamlym)
36	akhn	വ(vamlym)^(viramamlym) ല(lamlym)→വ(ṇṇamlym)
36	akhn	വ(vamlym)^(viramamlym) വ(vamlym)→വ(ṇṇamlym)
36	akhn	യ(yamlym)^(viramamlym) യ(yamlym)→യ(ṇṇamlym)
37	akhn	ബ(bamlym) ല(lamlym)^(viramamlym)→ബ(ṇṇamlym)
37	akhn	ബ(bamlym) ഹ(uni200D)^(viramamlym) ട(ttamlym)→ബ(ṇṇamlym)
37	akhn	ബ(bamlym) ഹ(uni200D)^(viramamlym) ഡ(ddhamlym)→ബ(ṇṇamlym)
37	akhn	ബ(bamlym)^(viramamlym) ബ(bamlym)→ബ(ṇṇamlym)
37	akhn	ച(camlym)^(viramamlym) ച(camlym)→ച(ṇṇamlym)
37	akhn	ച(camlym)^(viramamlym) ഛ(chamlym)→ച(ṇṇamlym)
37	akhn	ഓ(damlym)^(viramamlym) ഓ(damlym)→ഓ(ṇṇamlym)
37	akhn	ഓ(damlym)^(viramamlym) ഡ(ddhamlym)→ഓ(ṇṇamlym)
37	akhn	ഡ(ddamlym)^(viramamlym) ഡ(ddamlym)→ഡ(ṇṇamlym)
37	akhn	ഡ(ddamlym)^(viramamlym) ഡ(ddhamlym)→ഡ(ṇṇamlym)
37	akhn	ഗ(gamlym) ല(lamlym)^(viramamlym)→ഗ(ṇṇamlym)
37	akhn	ഗ(gamlym) ഹ(uni200D)^(viramamlym) ട(ttamlym)→ഗ(ṇṇamlym)
37	akhn	ഗ(gamlym) ഹ(uni200D)^(viramamlym) മ(mamlym)→ഗ(ṇṇamlym)
37	akhn	ഗ(gamlym) ഹ(uni200D)^(viramamlym) ന(namlym)→ഗ(ṇṇamlym)
37	akhn	ഗ(gamlym)^(viramamlym) ഗ(gamlym)→ഗ(ṇṇamlym)
37	akhn	ഗ(gamlym)^(viramamlym) മ(mamlym)→ഗ(ṇṇamlym)
37	akhn	ഗ(gamlym)^(viramamlym) ന(namlym)→ഗ(ṇṇamlym)
37	akhn	ഹ(hamlym) ല(lamlym)^(viramamlym)→ഹ(ṇṇamlym)
37	akhn	ഹ(hamlym) ഹ(uni200D)^(viramamlym) മ(mamlym)→ഹ(ṇṇamlym)
37	akhn	ഹ(hamlym) ഹ(uni200D)^(viramamlym) ന(namlym)→ഹ(ṇṇamlym)
37	akhn	ഹ(hamlym)^(viramamlym) മ(mamlym)→ഹ(ṇṇamlym)
37	akhn	ഹ(hamlym)^(viramamlym) ന(namlym)→ഹ(ṇṇamlym)
37	akhn	ജ(jamlym)^(viramamlym) ജ(jamlym)→ജ(ṇṇamlym)
37	akhn	ജ(jamlym)^(viramamlym) ഞ(nyamlym)→ജ(ṇṇamlym)
37	akhn	ക(kamlym) ല(lamlym)^(viramamlym)→ക(ṇṇamlym)
37	akhn	ക(kamlym) ഹ(uni200D)^(viramamlym) ട(ttamlym)→ക(ṇṇamlym)
37	akhn	ക(kamlym)^(viramamlym) ക(kamlym)→ക(ṇṇamlym)
37	akhn	ക(kamlym)^(viramamlym) ഷ(ssamlym)→ക(ṇṇamlym)
37	akhn	ക(kamlym)^(viramamlym) ത(tamlym)→ക(ṇṇamlym)
37	akhn	ല(lamlym) ല(lamlym)^(viramamlym)→ല(ṇṇamlym)
37	akhn	ല(lamlym) ഹ(uni200D)^(viramamlym) പ(pamlym)→ല(ṇṇamlym)

Table	Feature	Substitution
37	akhn	ല(lamlym) (viramamlym) പ(pamlym) → ല്ല(lapamlym)
37	akhn	ല(lamlym) (viramamlym) ി(uni200D) → ി(lachillumlym)
37	akhn	ള(llamlym) (viramamlym) റ(llamlym) → റ്റ(llaallamlym)
37	akhn	ള(llamlym) (viramamlym) ി(uni200D) → ി(llaachillumlym)
37	akhn	മ(mamlym) ല(lamlym) (viramamlym) → മ്ല(malamlym)
37	akhn	മ(mamlym) (viramamlym) മ(mamlym) → മ്മ(mamamlym)
37	akhn	മ(mamlym) (viramamlym) പ(pamlym) → മ്പ(mapamlym)
37	akhn	മ(mamlym) (viramamlym) പ(pamlym) ല(lamlym) (viramamlym) → മ്പ്പ(mapalamlym)
37	akhn	ൻ(nachillumlym) (viramamlym) റ(ramlym) → ന്ൻ(narramlym)
37	akhn	ന(namlym) ി(uni200D) (viramamlym) മ(thamlym) → ന്മ(nathamlym)
37	akhn	ന(namlym) (viramamlym) ദ(damlym) → നദ(nadamlym)
37	akhn	ന(namlym) (viramamlym) ധ(dhamlym) → നധ(nadhamlym)
37	akhn	ന(namlym) (viramamlym) മ(mamlym) → നമ(namamlym)
37	akhn	ന(namlym) (viramamlym) ന(namlym) → ന്ന(nanamlym)
37	akhn	ന(namlym) (viramamlym) റ(ramlym) → ന്ൻ(narramlym)
37	akhn	ന(namlym) (viramamlym) ത(tamlym) → നത(natamlym)
37	akhn	ന(namlym) (viramamlym) മ(thamlym) → ന്മ(nathamlym)
37	akhn	ന(namlym) (viramamlym) ി(uni200D) → ന്ൻ(nachillumlym)
37	akhn	ന(namlym) (viramamlym) ി(uni200D) റ(ramlym) → ന്ൻ(narramlym)
37	akhn	ങ(ngamlym) (viramamlym) ക(kamlym) → ങ്ക(ngakamlym)
37	akhn	ങ(ngamlym) (viramamlym) ക(kamlym) ല(lamlym) (viramamlym) → ങ്കല(ngakalamlym)
37	akhn	ങ(ngamlym) (viramamlym) ങ(ngamlym) → ങ്ങ(ngangamlym)
37	akhn	ണ(nnamlym) ി(uni200D) (viramamlym) ഡ(ddhamlym) → ണ്ഡ(nnaddhamlym)
37	akhn	ണ(nnamlym) (viramamlym) ഡ(ddamlym) → ണഡ(nnaddamlym)
37	akhn	ണ(nnamlym) (viramamlym) മ(mamlym) → ണമ(nnamamlym)
37	akhn	ണ(nnamlym) (viramamlym) ണ(nnamlym) → ണ്ണ(nnannamlym)
37	akhn	ണ(nnamlym) (viramamlym) ട(ttamlym) → ണ്ട(nnattamlym)
37	akhn	ണ(nnamlym) (viramamlym) ി(uni200D) → ണ്ൻ(nnachillumlym)
37	akhn	ഞ(nyamlym) ി(uni200D) (viramamlym) ഛ(chamlym) → ഞ്ങ(nyachamlym)
37	akhn	ഞ(nyamlym) (viramamlym) ച(camlym) → ഞച്ച(nyacamlym)
37	akhn	ഞ(nyamlym) (viramamlym) ജ(jamlym) → ഞജ(nyajamlym)
37	akhn	ഞ(nyamlym) (viramamlym) ഞ(nyamlym) → ഞ്ഞ(nyanyamlym)
37	akhn	പ(pamlym) ല(lamlym) (viramamlym) → പ്ല(palamlym)
37	akhn	പ(pamlym) ി(uni200D) (viramamlym) ത(tamlym) → പ്ത(patamlym)
37	akhn	പ(pamlym) (viramamlym) പ(pamlym) → പ്പ(papamlym)
37	akhn	ഫ(phamlym) ല(lamlym) (viramamlym) → ഫ്ല(phalamlym)
37	akhn	ര(ramlym) (viramamlym) ി(uni200D) → ര്(rrachillumlym)
37	akhn	റ(ramlym) (viramamlym) റ(ramlym) → റ്റ(rrarramlym)
37	akhn	സ(samlym) ല(lamlym) (viramamlym) → സ്ല(salamlym)
37	akhn	സ(samlym) ി(uni200D) (viramamlym) മ(thamlym) → സ്ഥ(sathamlym)
37	akhn	സ(samlym) (viramamlym) റ(ramlym) (viramamlym) റ(ramlym) → സ്സ(sarrarramlym)
37	akhn	സ(samlym) (viramamlym) സ(samlym) → സ്സ(sasamlym)
37	akhn	സ(samlym) (viramamlym) മ(thamlym) → സ്ഥ(sathamlym)
37	akhn	ശ(shamlym) ല(lamlym) (viramamlym) → ശ്ല(shalamlym)
37	akhn	ശ(shamlym) ി(uni200D) (viramamlym) ഛ(chamlym) → ശ്ങ(shachamlym)
37	akhn	ശ(shamlym) (viramamlym) ച(camlym) → ശച്ച(shacamlym)
37	akhn	ശ(shamlym) (viramamlym) ശ(shamlym) → ശ്ശ(shashamlym)
37	akhn	ഷ(ssamlym) ി(uni200D) (viramamlym) ട(ttamlym) → ഷ്ട(ssattamlym)
37	akhn	ത(tamlym) ല(lamlym) (viramamlym) → ത്ത(talamlym)
37	akhn	ത(tamlym) ി(uni200D) (viramamlym) ഭ(bhamlym) → തഭ(tabhamlym)
37	akhn	ത(tamlym) (viramamlym) ഭ(bhamlym) → തഭ(tabhamlym)
37	akhn	ത(tamlym) (viramamlym) മ(mamlym) → തമ(tamamlym)
37	akhn	ത(tamlym) (viramamlym) ന(namlym) → തന(tanamlym)
37	akhn	ത(tamlym) (viramamlym) സ(samlym) → തസ(tasamlym)
37	akhn	ത(tamlym) (viramamlym) ത(tamlym) → തത(tatamlym)
37	akhn	ത(tamlym) (viramamlym) മ(thamlym) → തഥ(tathamlym)
37	akhn	ട(ttamlym) (viramamlym) ട(ttamlym) → ട്ട(ttattamlym)
37	akhn	വ(vamlym) ല(lamlym) (viramamlym) → വ്വ(valamlym)
38	akhn	ബ(bamlym) ല(lamlym) (viramamlym) → ബ്ബ(balamlym)
38	akhn	ബ(bamlym) ി(uni200D) (viramamlym) ദ(damlym) → ബ്ദ(badamlym)
38	akhn	ബ(bamlym) ി(uni200D) (viramamlym) ധ(dhamlym) → ബ്ധ(badhamlym)
38	akhn	ബ(bamlym) (viramamlym) ബ(bamlym) → ബ്ബ(babamlym)
38	akhn	ച(camlym) (viramamlym) ച(camlym) → ച്ച(cacamlym)
38	akhn	ച(camlym) (viramamlym) ഛ(chamlym) → ച്ഛ(cachamlym)
38	akhn	ദ(damlym) (viramamlym) ദ(damlym) → ദ്ദ(dadamlym)
38	akhn	ദ(damlym) (viramamlym) ധ(dhamlym) → ദ്ധ(dadhamlym)
38	akhn	ഡ(ddamlym) (viramamlym) ഡ(ddamlym) → ഡ്ഡ(ddaddamlym)
38	akhn	ഡ(ddamlym) (viramamlym) ഡ്ധ(ddhamlym) → ഡ്ഡ്ഡ(ddaddhamlym)
38	akhn	ഗ(gamlym) ല(lamlym) (viramamlym) → ഗ്ല(galamlym)
38	akhn	ഗ(gamlym) ി(uni200D) (viramamlym) ദ(damlym) → ഗ്ദ(gadamlym)
38	akhn	ഗ(gamlym) ി(uni200D) (viramamlym) മ(mamlym) → ഗ്മ(gamamlym)
38	akhn	ഗ(gamlym) ി(uni200D) (viramamlym) ന(namlym) → ഗ്ന(ganamlym)
38	akhn	ഗ(gamlym) (viramamlym) ദ(damlym) → ഗ്ദ(gadamlym)
38	akhn	ഗ(gamlym) (viramamlym) ഗ(gamlym) → ഗ്ഗ(gagamlym)

Table	Feature	Substitution
38	akhn	ഗ(gamlym) ^u (viramamlym) മ(mamlym)→ഗമ(gamamlym)
38	akhn	ഗ(gamlym) ^u (viramamlym) ന(namlym)→ഗന(ganamlym)
38	akhn	ഹ(hamlym) ല(lamlym) ^u (viramamlym)→ഹ്ല(halamlym)
38	akhn	ഹ(hamlym) ി(uni200D) ^u (viramamlym) മ(mamlym)→ഹമ(hamamlym)
38	akhn	ഹ(hamlym) ി(uni200D) ^u (viramamlym) ന(namlym)→ഹന(hanamlym)
38	akhn	ഹ(hamlym) ^u (viramamlym) മ(mamlym)→ഹമ(hamamlym)
38	akhn	ഹ(hamlym) ^u (viramamlym) ന(namlym)→ഹന(hanamlym)
38	akhn	ജ(jamlym) ^u (viramamlym) ജ(jamlym)→ജജ(jajamlym)
38	akhn	ജ(jamlym) ^u (viramamlym) ണ(nyamlym)→ജണ(janyamlym)
38	akhn	ക(kamlym) ല(lamlym) ^u (viramamlym)→ക്ല(kalamlym)
38	akhn	ക(kamlym) ി(uni200D) ^u (viramamlym) ട(ttamlym)→ക്ട(kattamlym)
38	akhn	ക(kamlym) ^u (viramamlym) ക(kamlym)→ക്ക(kakamlym)
38	akhn	ക(kamlym) ^u (viramamlym) ഷ(ssamlym)→ക്ഷ(kassamlym)
38	akhn	ക(kamlym) ^u (viramamlym) ത(tamlym)→കത(katamlym)
38	akhn	ക(kamlym) ^u (viramamlym) ട(ttamlym)→ക്ട(kattamlym)
38	akhn	ല(lamlym) ല(lamlym) ^u (viramamlym)→ല്ല(lalamlym)
38	akhn	ല(lamlym) ി(uni200D) ^u (viramamlym) പ(pamlym)→ല്പ(lapamlym)
38	akhn	ല(lamlym) ^u (viramamlym) പ(pamlym)→ല്പ(lapamlym)
38	akhn	ല(lamlym) ^u (viramamlym) ി(uni200D)→ൽ(lachillumlym)
38	akhn	ള(llamlym) ^u (viramamlym) ള(llamlym)→ളള(llallamlym)
38	akhn	ള(llamlym) ^u (viramamlym) ി(uni200D)→ൾ(llachillumlym)
38	akhn	മ(mamlym) ല(lamlym) ^u (viramamlym)→മ്ല(malamlym)
38	akhn	മ(mamlym) ^u (viramamlym) മ(mamlym)→മ്മ(mamamlym)
38	akhn	മ(mamlym) ^u (viramamlym) പ(pamlym)→മ്പ(mapamlym)
38	akhn	മ(mamlym) ^u (viramamlym) പ(pamlym) ല(lamlym) ^u (viramamlym)→മ്പ്ല(mapalamlym)
38	akhn	ൻ(nachillumlym) ^u (viramamlym) റ(rramlym)→ൻറ(narramlym)
38	akhn	ന(namlym) ^u (uni200D) ^u (viramamlym) ഡ(thamlym)→നഥ(nathamlym)
38	akhn	ന(namlym) ^u (viramamlym) ട(damlym)→നട(nadamlym)
38	akhn	ന(namlym) ^u (viramamlym) ധ(dhamlym)→നധ(nadhamlym)
38	akhn	ന(namlym) ^u (viramamlym) മ(mamlym)→നമ(namamlym)
38	akhn	ന(namlym) ^u (viramamlym) ന(namlym)→നന(nanamlym)
38	akhn	ന(namlym) ^u (viramamlym) റ(rramlym)→ൻറ(narramlym)
38	akhn	ന(namlym) ^u (viramamlym) ത(tamlym)→നത(natamlym)
38	akhn	ന(namlym) ^u (viramamlym) ഡ(thamlym)→നഥ(nathamlym)
38	akhn	ന(namlym) ^u (viramamlym) ^u (uni200D)→ൻ(nachillumlym)
38	akhn	ന(namlym) ^u (viramamlym) ^u (uni200D) റ(rramlym)→ൻറ(narramlym)
38	akhn	ങ(ngamlym) ^u (viramamlym) ക(kamlym)→ങ്ക(ngakamlym)
38	akhn	ങ(ngamlym) ^u (viramamlym) ക(kamlym) ല(lamlym) ^u (viramamlym)→ങ്കല(ngakalamlym)
38	akhn	ങ(ngamlym) ^u (viramamlym) ങ(ngamlym)→ങങ(ngangamlym)
38	akhn	ണ(nnamlym) ^u (uni200D) ^u (viramamlym) ഡ(ddhamlym)→ണഡ(nnaddhamlym)
38	akhn	ണ(nnamlym) ^u (viramamlym) ഡ(ddamlym)→ണഡ(nnaddamlym)
38	akhn	ണ(nnamlym) ^u (viramamlym) മ(mamlym)→ണമ(nnamamlym)
38	akhn	ണ(nnamlym) ^u (viramamlym) ണ(nnamlym)→ണ്ണ(nnannamlym)
38	akhn	ണ(nnamlym) ^u (viramamlym) ട(ttamlym)→ണ്ട(nnattamlym)
38	akhn	ണ(nnamlym) ^u (viramamlym) ^u (uni200D)→ൻറ(nnachillumlym)
38	akhn	ഞ(nyamlym) ^u (uni200D) ^u (viramamlym) ഛ(chamlym)→ഞഛ(nyachamlym)
38	akhn	ഞ(nyamlym) ^u (viramamlym) ച(camlym)→ഞ്ച(nyacamlym)
38	akhn	ഞ(nyamlym) ^u (viramamlym) ജ(jamlym)→ഞ്ജ(nyajamlym)
38	akhn	ഞ(nyamlym) ^u (viramamlym) ണ(nyamlym)→ഞ്ഞ(nyanyamlym)
38	akhn	പ(pamlym) ല(lamlym) ^u (viramamlym)→പ്ല(palamlym)
38	akhn	പ(pamlym) ^u (uni200D) ^u (viramamlym) ത(tamlym)→പ്ത(patamlym)
38	akhn	പ(pamlym) ^u (viramamlym) പ(pamlym)→പ്പ(papamlym)
38	akhn	ഫ(phamlym) ല(lamlym) ^u (viramamlym)→ഫ്ല(phalamlym)
38	akhn	ര(ramlym) ^u (viramamlym) ^u (uni200D)→ർ(rrachillumlym)
38	akhn	റ(rramlym) ^u (viramamlym) റ(rramlym)→റ്റ(rrarramlym)
38	akhn	സ(samlym) ല(lamlym) ^u (viramamlym)→സ്ല(salamlym)
38	akhn	സ(samlym) ^u (uni200D) ^u (viramamlym) ഡ(thamlym)→സഥ(sathamlym)
38	akhn	സ(samlym) ^u (viramamlym) റ(rramlym) ^u (viramamlym) റ(rramlym)→സ്സ(sarrarramlym)
38	akhn	സ(samlym) ^u (viramamlym) സ(samlym)→സ്സ(sasamlym)
38	akhn	സ(samlym) ^u (viramamlym) ഡ(thamlym)→സഥ(sathamlym)
38	akhn	ശ(shamlym) ല(lamlym) ^u (viramamlym)→ശ്ല(shalamlym)
38	akhn	ശ(shamlym) ^u (uni200D) ^u (viramamlym) ഛ(chamlym)→ശഛ(shachamlym)
38	akhn	ശ(shamlym) ^u (viramamlym) ച(camlym)→ശ്ച(shacamlym)
38	akhn	ശ(shamlym) ^u (viramamlym) ശ(shamlym)→ശ്ശ(shashamlym)
38	akhn	ഷ(ssamlym) ^u (uni200D) ^u (viramamlym) ട(ttamlym)→ഷ്ട(ssattamlym)
38	akhn	ത(tamlym) ല(lamlym) ^u (viramamlym)→ത്ല(talamlym)
38	akhn	ത(tamlym) ^u (uni200D) ^u (viramamlym) ഭ(bhamlym)→തഭ(tabhamlym)
38	akhn	ത(tamlym) ^u (viramamlym) ഭ(bhamlym)→തഭ(tabhamlym)
38	akhn	ത(tamlym) ^u (viramamlym) മ(mamlym)→തമ(tamamlym)
38	akhn	ത(tamlym) ^u (viramamlym) ന(namlym)→തന(tanamlym)
38	akhn	ത(tamlym) ^u (viramamlym) സ(samlym)→തസ(tasamlym)
38	akhn	ത(tamlym) ^u (viramamlym) ത(tamlym)→തത(tatamlym)
38	akhn	ത(tamlym) ^u (viramamlym) ഡ(thamlym)→തഥ(tathamlym)
38	akhn	ട(ttamlym) ^u (viramamlym) ട(ttamlym)→ട്ട(ttattamlym)

Table	Feature	Substitution
38	akhn	വ(vamlym) ല(lamlym) ^u (viramamlym)→വ്വ(valamlym)
39	pref	^u (viramamlym) ര(ramlym)→ര്ര(rapostmlym)
40	pref	→
41	half	ബ(bamlym) ^u (viramamlym)→ബ്(baprehalfmlym)
41	half	ഭ(bhamlym) ^u (viramamlym)→ഭ്(bhaprehalfmlym)
41	half	ച(camlym) ^u (viramamlym)→ച്(caprehalfmlym)
41	half	ഛ(chamlym) ^u (viramamlym)→ഛ്(chaprehalfmlym)
41	half	ദ(damlym) ^u (viramamlym)→ദ്(daprehalfmlym)
41	half	ഡ(ddamlym) ^u (viramamlym)→ഡ്(ddaprehalfmlym)
41	half	ഢ(ddhamlym) ^u (viramamlym)→ഢ്(ddhaprehalfmlym)
41	half	ധ(dhamlym) ^u (viramamlym)→ധ്(dhaprehalfmlym)
41	half	ഗ(gamlym) ^u (viramamlym)→ഗ്(gaprehalfmlym)
41	half	ഘ(ghamlym) ^u (viramamlym)→ഘ്(ghaprehalfmlym)
41	half	ഹ(hamlym) ^u (viramamlym)→ഹ്(haprehalfmlym)
41	half	ജ(jamlym) ^u (viramamlym)→ജ്(japrehalfmlym)
41	half	ഝ(jhamlym) ^u (viramamlym)→ഝ്(jhaprehalfmlym)
41	half	ക(kamlym) ^u (viramamlym)→ക്(kaprehalfmlym)
41	half	ക്ഷ(kassamlym) ^u (viramamlym)→ക്ഷ്(kassaprehalfmlym)
41	half	ഖ(khamlym) ^u (viramamlym)→ഖ്(khaprehalfmlym)
41	half	ല(lamlym) ^u (viramamlym)→ല്(laprehalfmlym)
41	half	ല(lamlym) ^u (viramamlym) ^u (uni200D)→ൽ(lachillumlym)
41	half	ള(llamlym) ^u (viramamlym)→ള്(llaprehalfmlym)
41	half	ള(llamlym) ^u (viramamlym) ^u (uni200D)→ൾ(llachillumlym)
41	half	ഴ(lllamlym) ^u (viramamlym)→ഴ്(lllaprehalfmlym)
41	half	മ(mamlym) ^u (viramamlym)→മ്(maprehalfmlym)
41	half	ന(namlym) ^u (viramamlym)→ന്(naprehalfmlym)
41	half	ന(namlym) ^u (viramamlym) ^u (uni200D)→ൻ(nachillumlym)
41	half	ങ(ngamlym) ^u (viramamlym)→ങ്(ngaprehalfmlym)
41	half	ണ(nnamlym) ^u (viramamlym)→ണ്(nnaprehalfmlym)
41	half	ണ(nnamlym) ^u (viramamlym) ^u (uni200D)→ൻ(nnachillumlym)
41	half	ഞ(nyamlym) ^u (viramamlym)→ഞ്(nyaprehalfmlym)
41	half	പ(pamlym) ^u (viramamlym)→പ്(paprehalfmlym)
41	half	ഫ(phamlym) ^u (viramamlym)→ഫ്(phaprehalfmlym)
41	half	ര(ramlym) ^u (viramamlym)→ര്(raprehalfmlym)
41	half	ര(ramlym) ^u (viramamlym) ^u (uni200D)→ർ(rrachillumlym)
41	half	റ(rramlym) ^u (viramamlym)→ര്(rraprehalfmlym)
41	half	സ(samlym) ^u (viramamlym)→സ്(saprehalfmlym)
41	half	ശ(shamlym) ^u (viramamlym)→ശ്(shaprehalfmlym)
41	half	ഷ(ssamlym) ^u (viramamlym)→ഷ്(ssaprehalfmlym)
41	half	ത(tamlym) ^u (viramamlym)→ത്(taprehalfmlym)
41	half	ഥ(thamlym) ^u (viramamlym)→ഥ്(thaprehalfmlym)
41	half	ട(ttamlym) ^u (viramamlym)→ട്ട്(ttaprehalfmlym)
41	half	ഠ(tthamlym) ^u (viramamlym)→ഠ്(tthaprehalfmlym)
41	half	വ(vamlym) ^u (viramamlym)→വ്(vaprehalfmlym)
41	half	യ(yamlym) ^u (viramamlym)→യ്(yaprehalfmlym)
42	blwf	ല(lamlym) ^u (viramamlym) ^u (lasubscriptmlym)
43	blwf	^u (lasubscriptmlym)→ ^u (viramamlym) ല(lamlym)
44	pstf	^u (viramamlym) വ(vamlym)→വ്(vapostmlym)
44	pstf	^u (viramamlym) യ(yamlym)→യ്(yapostmlym)
46	pstf	ര(ramlym) ^u (viramamlym)→ര്ര(rapostmlym)
46	pstf	വ(vamlym) ^u (viramamlym)→വ്(vapostmlym)
46	pstf	യ(yamlym) ^u (viramamlym)→യ്(yapostmlym)
48	psts	ഭ(bhamlym) ^u (llvocalicvowelsignmlym)→ഭ്(bhallvocalicmlym)
48	psts	ഭ(bhamlym) ^u (lvocalicvowelsignmlym)→ഭ്(bhalvocalicmlym)
48	psts	ദ(damlym) ^u (llvocalicvowelsignmlym)→ദ്(dallvocalicmlym)
48	psts	ദ(damlym) ^u (lvocalicvowelsignmlym)→ദ്(dalvocalicmlym)
48	psts	ഘ(ghamlym) ^u (llvocalicvowelsignmlym)→ഘ്(ghallvocalicmlym)
48	psts	ഘ(ghamlym) ^u (lvocalicvowelsignmlym)→ഘ്(ghalvocalicmlym)
48	psts	മ(mamlym) ^u (llvocalicvowelsignmlym)→മ്(mallvocalicmlym)
48	psts	മ(mamlym) ^u (lvocalicvowelsignmlym)→മ്(malvocalicmlym)
48	psts	ര(ramlym) ^u (llvocalicvowelsignmlym)→ര്(rallvocalicmlym)
48	psts	ര(ramlym) ^u (lvocalicvowelsignmlym)→ര്(ralvocalicmlym)
48	psts	റ(rramlym) ^u (llvocalicvowelsignmlym)→ര്(rrallvocalicmlym)
48	psts	റ(rramlym) ^u (lvocalicvowelsignmlym)→ര്(rralvocalicmlym)
48	psts	ട(ttamlym) ^u (llvocalicvowelsignmlym)→ട്ട്(ttallvocalicmlym)
48	psts	ട(ttamlym) ^u (lvocalicvowelsignmlym)→ട്ട്(ttalvocalicmlym)
48	psts	ഠ(tthamlym) ^u (llvocalicvowelsignmlym)→ഠ്(tthallvocalicmlym)
48	psts	ഠ(tthamlym) ^u (lvocalicvowelsignmlym)→ഠ്(tthalvocalicmlym)
51	psts	^e (candrabindumlym) ^e (uni0951)→ ^e (candrabindu_0951mlym)
51	psts	^e (candrabindumlym) ^e (uni0952)→ ^e (candrabindu_0952mlym)
51	psts	^e (candrabindumlym) ^e (uni1CDA)→ ^e (candrabindu_1CDAmlym)
58	psts	^e (candrabindu_0952mlym)→ ^e (candrabindumlym) ^e (uni0952)
59	psts	ല(lamlym) ^u (viramamlym) ല(lamlym)→ല്ല(lalamlym)
59	psts	വ(vamlym) ^u (viramamlym) വ(vamlym)→വ്വ(vavamlym)

Table	Feature	Substitution
59	psts	ᳵ(vamlym)ᳵ(viramamlym) ᳵ(vamlym)→ᳵ(vavamlym)
59	psts	ᳶ(yamlym)ᳶ(viramamlym) ᳶ(yamlym)→ᳶ(yayamlym)
59	psts	ᳶ(yamlym)ᳵ(yapostmlym)→ᳶ(yayamlym)
63	haln	ᳶ(lamlym)ᳶ(viramamlym) ᳶ(uni200D)→ᳶ(lachillumlym)
63	haln	ᳶ(llamlym)ᳶ(viramamlym) ᳶ(uni200D)→ᳶ(llachillumlym)
63	haln	ᳶ(namlym)ᳶ(viramamlym) ᳶ(uni200D)→ᳶ(nachillumlym)
63	haln	ᳶ(nnamlym)ᳶ(viramamlym) ᳶ(uni200D)→ᳶ(nnachillumlym)
63	haln	ᳶ(ramlym)ᳶ(viramamlym) ᳶ(uni200D)→ᳶ(rrachillumlym)
65		i(i)→ı(dotlessi)
65		j(j)→j(uni0237)
66	ccmp	Ą(Ą) ą(uni0328)→Ą(Ąogonek)
66	ccmp	Ę(Ę) ę(uni0328)→Ę(Ęogonek)
66	ccmp	Į(Į) į(uni0328)→Į(Įogonek)
66	ccmp	Ų(Ų) ų(uni0328)→Ų(Ųogonek)
66	ccmp	ą(a) ą(uni0328)→ą(ąogonek)
66	ccmp	ę(e) ę(uni0328)→ę(ęogonek)
66	ccmp	į(i) į(uni0328)→į(įogonek)
66	ccmp	ų(u) ų(uni0328)→ų(ųogonek)
67	locl	Ś(Ścedilla)→Ś(uni0218)
67	locl	ś(ścedilla)→ś(uni0219)
68	locl	Ś(Ścedilla)→Ś(uni0218)
68	locl	ś(ścedilla)→ś(uni0219)