Inhaltsverzeichnis

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Modul:Unicode data/control

Die Dokumentation für dieses Modul kann unter Modul:Unicode data/control/Doku erstellt werden

```
local Cc, Cf, Cs, Co, Cn =
        "control", "format", "surrogate", "private-use", "unassigned"
local Zs, Zl, Zp =
        "space-separator", "line-separator", "paragraph-separator"

local data = {
        singles = {
                [0x000020] = Zs,
                [0x0000A0] = Zs,
                [0x0000AD] = Cf,
                [0x00038B] = Cn,
                [0x00038D] = Cn,
                [0x0003A2] = Cn,
                [0x000530] = Cn,
                [0x000590] = Cn,
                [0x00061C] = Cf,
                [0x0006DD] = Cf,
                [0x00070E] = Cn,
                [0x00070F] = Cf,
                [0x00083F] = Cn,
                [0x00085F] = Cn,
                [0x00088F] = Cn,
                [0x0008E2] = Cf,
                [0x000984] = Cn,
                [0x0009A9] = Cn,
                [0x0009B1] = Cn,
                [0x0009DE] = Cn,
                [0x000A04] = Cn,
                [0x000A29] = Cn,
                [0x000A31] = Cn,
                [0x000A34] = Cn,
                [0x000A37] = Cn,
                [0x000A3D] = Cn,
                [0x000A5D] = Cn,
                [0x000A84] = Cn,
                [0x000A8E] = Cn,
                [0x000A92] = Cn,
                [0x000AA9] = Cn,
                [0x000AB1] = Cn,
                [0x000AB4] = Cn,
                [0x000AC6] = Cn,
                [0x000ACA] = Cn,
                [0x000B00] = Cn,
                [0x000B04] = Cn,
                [0x000B29] = Cn,
                [0x000B31] = Cn,
                [0x000B34] = Cn,
                [0x000B5E] = Cn,
                [0x000B84] = Cn,
                [0x000B91] = Cn,
                [0x000B9B] = Cn,
                [0x000B9D] = Cn,
                [0x000BC9] = Cn,
                [0x000C0D] = Cn,
                [0x000C11] = Cn,
                [0x000C29] = Cn,
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                [0x000C45] = Cn,
                [0x000C49] = Cn,
                [0x000C57] = Cn,
                [0x000C8D] = Cn,
                [0x000C91] = Cn,
                [0x000CA9] = Cn,
                [0x000CB4] = Cn,
                [0x000CC5] = Cn,
                [0x000CC9] = Cn,
                [0x000CDF] = Cn,
                [0x000CF0] = Cn,
                [0x000D0D] = Cn,
                [0x000D11] = Cn,
                [0x000D45] = Cn,
                [0x000D49] = Cn,
                [0x000D80] = Cn,
                [0x000D84] = Cn,
                [0x000DB2] = Cn,
                [0x000DBC] = Cn,
                [0x000DD5] = Cn,
                [0x000DD7] = Cn,
                [0x000E83] = Cn,
                [0x000E85] = Cn,
                [0x000E8B] = Cn,
                [0x000EA4] = Cn,
                [0x000EA6] = Cn,
                [0x000EC5] = Cn,
                [0x000EC7] = Cn,
                [0x000F48] = Cn,
                [0x000F98] = Cn,
                [0x000FBD] = Cn,
                [0x000FCD] = Cn,
                [0x0010C6] = Cn,
                [0x001249] = Cn,
                [0x001257] = Cn,
                [0x001259] = Cn,
                [0x001289] = Cn,
                [0x0012B1] = Cn,
                [0x0012BF] = Cn,
                [0x0012C1] = Cn,
                [0x0012D7] = Cn,
                [0x001311] = Cn,
                [0x001680] = Zs,
                [0x00176D] = Cn,
                [0x001771] = Cn,
                [0x00180E] = Cf,
                [0x00191F] = Cn,
                [0x001A5F] = Cn,
                [0x001B7F] = Cn,
                [0x001F58] = Cn,
                [0x001F5A] = Cn,
                [0x001F5C] = Cn,
                [0x001F5E] = Cn,
                [0x001FB5] = Cn,
                [0x001FC5] = Cn,
                [0x001FDC] = Cn,
                [0x001FF5] = Cn,
                [0x001FFF] = Cn,
                [0x002028] = Zl,
                [0x002029] = Zp,
                [0x00202F] = Zs,
                [0x00205F] = Zs,
                [0x002065] = Cn,
                [0x00208F] = Cn,
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                [0x002D26] = Cn,
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                [0x002DAF] = Cn,
                [0x002DB7] = Cn,
                [0x002DBF] = Cn,
                [0x002DC7] = Cn,
                [0x002DCF] = Cn,
                [0x002DD7] = Cn,
                [0x002DDF] = Cn,
                [0x002E9A] = Cn,
                [0x003000] = Zs,
                [0x003040] = Cn,
                [0x003130] = Cn,
                [0x00318F] = Cn,
                [0x00321F] = Cn,
                [0x00A7D2] = Cn,
                [0x00A7D4] = Cn,
                [0x00A9CE] = Cn,
                [0x00A9FF] = Cn,
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                [0x00AB2F] = Cn,
                [0x00FB37] = Cn,
                [0x00FB3D] = Cn,
                [0x00FB3F] = Cn,
                [0x00FB42] = Cn,
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                [0x00FE75] = Cn,
                [0x00FEFF] = Cf,
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                [0x010027] = Cn,
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                [0x010596] = Cn,
                [0x0105A2] = Cn,
                [0x0105B2] = Cn,
                [0x0105BA] = Cn,
                [0x010786] = Cn,
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                [0x010EAA] = Cn,
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                [0x0110CD] = Cf,
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                [0x0111E0] = Cn,
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                [0x011287] = Cn,
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                [0x011914] = Cn,
                [0x011917] = Cn,
                [0x011936] = Cn,
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                [0x011C37] = Cn,
                [0x011CA8] = Cn,
                [0x011D07] = Cn,
                [0x011D0A] = Cn,
                [0x011D3B] = Cn,
                [0x011D3E] = Cn,
                [0x011D66] = Cn,
                [0x011D69] = Cn,
                [0x011D8F] = Cn,
                [0x011D92] = Cn,
                [0x01246F] = Cn,
                [0x01342F] = Cn,
                [0x016A5F] = Cn,
                [0x016ABF] = Cn,
                [0x016B5A] = Cn,
                [0x016B62] = Cn,
                [0x01AFF4] = Cn,
                [0x01AFFC] = Cn,
                [0x01AFFF] = Cn,
                [0x01D455] = Cn,
                [0x01D49D] = Cn,
                [0x01D4AD] = Cn,
                [0x01D4BA] = Cn,
                [0x01D4BC] = Cn,
                [0x01D4C4] = Cn,
                [0x01D506] = Cn,
                [0x01D515] = Cn,
                [0x01D51D] = Cn,
                [0x01D53A] = Cn,
                [0x01D53F] = Cn,
                [0x01D545] = Cn,
                [0x01D551] = Cn,
                [0x01DAA0] = Cn,
                [0x01E007] = Cn,
                [0x01E022] = Cn,
                [0x01E025] = Cn,
                [0x01E7E7] = Cn,
                [0x01E7EC] = Cn,
                [0x01E7EF] = Cn,
                [0x01E7FF] = Cn,
                [0x01EE04] = Cn,
                [0x01EE20] = Cn,
                [0x01EE23] = Cn,
                [0x01EE28] = Cn,
                [0x01EE33] = Cn,
                [0x01EE38] = Cn,
                [0x01EE3A] = Cn,
                [0x01EE48] = Cn,
                [0x01EE4A] = Cn,
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                [0x01EE50] = Cn,
                [0x01EE53] = Cn,
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                [0x01EE58] = Cn,
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                [0x01EE63] = Cn,
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                [0x01EE73] = Cn,
                [0x01EE78] = Cn,
                [0x01EE7D] = Cn,
                [0x01EE7F] = Cn,
                [0x01EE8A] = Cn,
                [0x01EEA4] = Cn,
                [0x01EEAA] = Cn,
                [0x01F0C0] = Cn,
                [0x01F0D0] = Cn,
                [0x01FB93] = Cn,
                [0x0E0001] = Cf,
        };
        ranges = {
                { 0x000000, 0x00001F, Cc },
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                { 0x000380, 0x000383, Cn },
                { 0x000557, 0x000558, Cn },
                { 0x00058B, 0x00058C, Cn },
                { 0x0005C8, 0x0005CF, Cn },
                { 0x0005EB, 0x0005EE, Cn },
                { 0x0005F5, 0x0005FF, Cn },
                { 0x000600, 0x000605, Cf },
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                { 0x0007B2, 0x0007BF, Cn },
                { 0x0007FB, 0x0007FC, Cn },
                { 0x00082E, 0x00082F, Cn },
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                { 0x00086B, 0x00086F, Cn },
                { 0x000890, 0x000891, Cf },
                { 0x000892, 0x000897, Cn },
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                { 0x000991, 0x000992, Cn },
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                { 0x0009BA, 0x0009BB, Cn },
                { 0x0009C5, 0x0009C6, Cn },
                { 0x0009C9, 0x0009CA, Cn },
                { 0x0009CF, 0x0009D6, Cn },
                { 0x0009D8, 0x0009DB, Cn },
                { 0x0009E4, 0x0009E5, Cn },
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                { 0x000A5F, 0x000A65, Cn },
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                { 0x000ACE, 0x000ACF, Cn },
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                { 0x000B78, 0x000B81, Cn },
                { 0x000B8B, 0x000B8D, Cn },
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                { 0x000BD8, 0x000BE5, Cn },
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                { 0x000CF3, 0x000CFF, Cn },
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                { 0x00200B, 0x00200F, Cf },
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                { 0x002066, 0x00206F, Cf },
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                { 0x00244B, 0x00245F, Cn },
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                { 0x002D28, 0x002D2C, Cn },
                { 0x002D2E, 0x002D2F, Cn },
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                { 0x00D7C7, 0x00D7CA, Cn },
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                { 0x00D800, 0x00DFFF, Cs },
                { 0x00E000, 0x00F8FF, Co },
                { 0x00FA6E, 0x00FA6F, Cn },
                { 0x00FADA, 0x00FAFF, Cn },
                { 0x00FB07, 0x00FB12, Cn },
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                { 0x00FDC8, 0x00FDCE, Cn },
                { 0x00FDD0, 0x00FDEF, Cn },
                { 0x00FE1A, 0x00FE1F, Cn },
                { 0x00FE6C, 0x00FE6F, Cn },
                { 0x00FEFD, 0x00FEFE, Cn },
                { 0x00FFBF, 0x00FFC1, Cn },
                { 0x00FFC8, 0x00FFC9, Cn },
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                { 0x00FFEF, 0x00FFF8, Cn },
                { 0x00FFF9, 0x00FFFB, Cf },
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                { 0x01005E, 0x01007F, Cn },
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                { 0x01019D, 0x01019F, Cn },
                { 0x0101A1, 0x0101CF, Cn },
                { 0x0101FE, 0x01027F, Cn },
                { 0x01029D, 0x01029F, Cn },
                { 0x0102D1, 0x0102DF, Cn },
                { 0x0102FC, 0x0102FF, Cn },
                { 0x010324, 0x01032C, Cn },
                { 0x01034B, 0x01034F, Cn },
                { 0x01037B, 0x01037F, Cn },
                { 0x0103C4, 0x0103C7, Cn },
                { 0x0103D6, 0x0103FF, Cn },
```

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                { 0x01049E, 0x01049F, Cn },
                { 0x0104AA, 0x0104AF, Cn },
                { 0x0104D4, 0x0104D7, Cn },
                { 0x0104FC, 0x0104FF, Cn },
                { 0x010528, 0x01052F, Cn },
                { 0x010564, 0x01056E, Cn },
                { 0x0105BD, 0x0105FF, Cn },
                { 0x010737, 0x01073F, Cn },
                { 0x010756, 0x01075F, Cn },
                { 0x010768, 0x01077F, Cn },
                { 0x0107BB, 0x0107FF, Cn },
                { 0x010806, 0x010807, Cn },
                { 0x010839, 0x01083B, Cn },
                { 0x01083D, 0x01083E, Cn },
                { 0x01089F, 0x0108A6, Cn },
                { 0x0108B0, 0x0108DF, Cn },
                { 0x0108F6, 0x0108FA, Cn },
                { 0x01091C, 0x01091E, Cn },
                { 0x01093A, 0x01093E, Cn },
                { 0x010940, 0x01097F, Cn },
                { 0x0109B8, 0x0109BB, Cn },
                { 0x0109D0, 0x0109D1, Cn },
                { 0x010A07, 0x010A0B, Cn },
                { 0x010A36, 0x010A37, Cn },
                { 0x010A3B, 0x010A3E, Cn },
                { 0x010A49, 0x010A4F, Cn },
                { 0x010A59, 0x010A5F, Cn },
                { 0x010AA0, 0x010ABF, Cn },
                { 0x010AE7, 0x010AEA, Cn },
                { 0x010AF7, 0x010AFF, Cn },
                { 0x010B36, 0x010B38, Cn },
                { 0x010B56, 0x010B57, Cn },
                { 0x010B73, 0x010B77, Cn },
                { 0x010B92, 0x010B98, Cn },
                { 0x010B9D, 0x010BA8, Cn },
                { 0x010BB0, 0x010BFF, Cn },
                { 0x010C49, 0x010C7F, Cn },
                { 0x010CB3, 0x010CBF, Cn },
                { 0x010CF3, 0x010CF9, Cn },
                { 0x010D28, 0x010D2F, Cn },
                { 0x010D3A, 0x010E5F, Cn },
                { 0x010EAE, 0x010EAF, Cn },
                { 0x010EB2, 0x010EFF, Cn },
                { 0x010F28, 0x010F2F, Cn },
                { 0x010F5A, 0x010F6F, Cn },
                { 0x010F8A, 0x010FAF, Cn },
                { 0x010FCC, 0x010FDF, Cn },
                { 0x010FF7, 0x010FFF, Cn },
                { 0x01104E, 0x011051, Cn },
                { 0x011076, 0x01107E, Cn },
                { 0x0110C3, 0x0110CC, Cn },
                { 0x0110CE, 0x0110CF, Cn },
                { 0x0110E9, 0x0110EF, Cn },
                { 0x0110FA, 0x0110FF, Cn },
                { 0x011148, 0x01114F, Cn },
                { 0x011177, 0x01117F, Cn },
                { 0x0111F5, 0x0111FF, Cn },
                { 0x01123F, 0x01127F, Cn },
                { 0x0112AA, 0x0112AF, Cn },
                { 0x0112EB, 0x0112EF, Cn },
                { 0x0112FA, 0x0112FF, Cn },
                { 0x01130D, 0x01130E, Cn },
                { 0x011311, 0x011312, Cn },
                { 0x011345, 0x011346, Cn },
```

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                { 0x011349, 0x01134A, Cn },
                { 0x01134E, 0x01134F, Cn },
                { 0x011351, 0x011356, Cn },
                { 0x011358, 0x01135C, Cn },
                { 0x011364, 0x011365, Cn },
                { 0x01136D, 0x01136F, Cn },
                { 0x011375, 0x0113FF, Cn },
                { 0x011462, 0x01147F, Cn },
                { 0x0114C8, 0x0114CF, Cn },
                { 0x0114DA, 0x01157F, Cn },
                { 0x0115B6, 0x0115B7, Cn },
                { 0x0115DE, 0x0115FF, Cn },
                { 0x011645, 0x01164F, Cn },
                { 0x01165A, 0x01165F, Cn },
                { 0x01166D, 0x01167F, Cn },
                { 0x0116BA, 0x0116BF, Cn },
                { 0x0116CA, 0x0116FF, Cn },
                { 0x01171B, 0x01171C, Cn },
                { 0x01172C, 0x01172F, Cn },
                { 0x011747, 0x0117FF, Cn },
                { 0x01183C, 0x01189F, Cn },
                { 0x0118F3, 0x0118FE, Cn },
                { 0x011907, 0x011908, Cn },
                { 0x01190A, 0x01190B, Cn },
                { 0x011939, 0x01193A, Cn },
                { 0x011947, 0x01194F, Cn },
                { 0x01195A, 0x01199F, Cn },
                { 0x0119A8, 0x0119A9, Cn },
                { 0x0119D8, 0x0119D9, Cn },
                { 0x0119E5, 0x0119FF, Cn },
                { 0x011A48, 0x011A4F, Cn },
                { 0x011AA3, 0x011AAF, Cn },
                { 0x011AF9, 0x011BFF, Cn },
                { 0x011C46, 0x011C4F, Cn },
                { 0x011C6D, 0x011C6F, Cn },
                { 0x011C90, 0x011C91, Cn },
                { 0x011CB7, 0x011CFF, Cn },
                { 0x011D37, 0x011D39, Cn },
                { 0x011D48, 0x011D4F, Cn },
                { 0x011D5A, 0x011D5F, Cn },
                { 0x011D99, 0x011D9F, Cn },
                { 0x011DAA, 0x011EDF, Cn },
                { 0x011EF9, 0x011FAF, Cn },
                { 0x011FB1, 0x011FBF, Cn },
                { 0x011FF2, 0x011FFE, Cn },
                { 0x01239A, 0x0123FF, Cn },
                { 0x012475, 0x01247F, Cn },
                { 0x012544, 0x012F8F, Cn },
                { 0x012FF3, 0x012FFF, Cn },
                { 0x013430, 0x013438, Cf },
                { 0x013439, 0x0143FF, Cn },
                { 0x014647, 0x0167FF, Cn },
                { 0x016A39, 0x016A3F, Cn },
                { 0x016A6A, 0x016A6D, Cn },
                { 0x016ACA, 0x016ACF, Cn },
                { 0x016AEE, 0x016AEF, Cn },
                { 0x016AF6, 0x016AFF, Cn },
                { 0x016B46, 0x016B4F, Cn },
                { 0x016B78, 0x016B7C, Cn },
                { 0x016B90, 0x016E3F, Cn },
                { 0x016E9B, 0x016EFF, Cn },
                { 0x016F4B, 0x016F4E, Cn },
                { 0x016F88, 0x016F8E, Cn },
                { 0x016FA0, 0x016FDF, Cn },
```

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                { 0x016FE5, 0x016FEF, Cn },
                { 0x016FF2, 0x016FFF, Cn },
                { 0x0187F8, 0x0187FF, Cn },
                { 0x018CD6, 0x018CFF, Cn },
                { 0x018D09, 0x01AFEF, Cn },
                { 0x01B123, 0x01B14F, Cn },
                { 0x01B153, 0x01B163, Cn },
                { 0x01B168, 0x01B16F, Cn },
                { 0x01B2FC, 0x01BBFF, Cn },
                { 0x01BC6B, 0x01BC6F, Cn },
                { 0x01BC7D, 0x01BC7F, Cn },
                { 0x01BC89, 0x01BC8F, Cn },
                { 0x01BC9A, 0x01BC9B, Cn },
                { 0x01BCA0, 0x01BCA3, Cf },
                { 0x01BCA4, 0x01CEFF, Cn },
                { 0x01CF2E, 0x01CF2F, Cn },
                { 0x01CF47, 0x01CF4F, Cn },
                { 0x01CFC4, 0x01CFFF, Cn },
                { 0x01D0F6, 0x01D0FF, Cn },
                { 0x01D127, 0x01D128, Cn },
                { 0x01D173, 0x01D17A, Cf },
                { 0x01D1EB, 0x01D1FF, Cn },
                { 0x01D246, 0x01D2DF, Cn },
                { 0x01D2F4, 0x01D2FF, Cn },
                { 0x01D357, 0x01D35F, Cn },
                { 0x01D379, 0x01D3FF, Cn },
                { 0x01D4A0, 0x01D4A1, Cn },
                { 0x01D4A3, 0x01D4A4, Cn },
                { 0x01D4A7, 0x01D4A8, Cn },
                { 0x01D50B, 0x01D50C, Cn },
                { 0x01D547, 0x01D549, Cn },
                { 0x01D6A6, 0x01D6A7, Cn },
                { 0x01D7CC, 0x01D7CD, Cn },
                { 0x01DA8C, 0x01DA9A, Cn },
                { 0x01DAB0, 0x01DEFF, Cn },
                { 0x01DF1F, 0x01DFFF, Cn },
                { 0x01E019, 0x01E01A, Cn },
                { 0x01E02B, 0x01E0FF, Cn },
                { 0x01E12D, 0x01E12F, Cn },
                { 0x01E13E, 0x01E13F, Cn },
                { 0x01E14A, 0x01E14D, Cn },
                { 0x01E150, 0x01E28F, Cn },
                { 0x01E2AF, 0x01E2BF, Cn },
                { 0x01E2FA, 0x01E2FE, Cn },
                { 0x01E300, 0x01E7DF, Cn },
                { 0x01E8C5, 0x01E8C6, Cn },
                { 0x01E8D7, 0x01E8FF, Cn },
                { 0x01E94C, 0x01E94F, Cn },
                { 0x01E95A, 0x01E95D, Cn },
                { 0x01E960, 0x01EC70, Cn },
                { 0x01ECB5, 0x01ED00, Cn },
                { 0x01ED3E, 0x01EDFF, Cn },
                { 0x01EE25, 0x01EE26, Cn },
                { 0x01EE3C, 0x01EE41, Cn },
                { 0x01EE43, 0x01EE46, Cn },
                { 0x01EE55, 0x01EE56, Cn },
                { 0x01EE65, 0x01EE66, Cn },
                { 0x01EE9C, 0x01EEA0, Cn },
                { 0x01EEBC, 0x01EEEF, Cn },
                { 0x01EEF2, 0x01EFFF, Cn },
                { 0x01F02C, 0x01F02F, Cn },
                { 0x01F094, 0x01F09F, Cn },
                { 0x01F0AF, 0x01F0B0, Cn },
                { 0x01F0F6, 0x01F0FF, Cn },
```

```
                { 0x01F1AE, 0x01F1E5, Cn },
                { 0x01F203, 0x01F20F, Cn },
                { 0x01F23C, 0x01F23F, Cn },
                { 0x01F249, 0x01F24F, Cn },
                { 0x01F252, 0x01F25F, Cn },
                { 0x01F266, 0x01F2FF, Cn },
                { 0x01F6D8, 0x01F6DC, Cn },
                { 0x01F6ED, 0x01F6EF, Cn },
                { 0x01F6FD, 0x01F6FF, Cn },
                { 0x01F774, 0x01F77F, Cn },
                { 0x01F7D9, 0x01F7DF, Cn },
                { 0x01F7EC, 0x01F7EF, Cn },
                { 0x01F7F1, 0x01F7FF, Cn },
                { 0x01F80C, 0x01F80F, Cn },
                { 0x01F848, 0x01F84F, Cn },
                { 0x01F85A, 0x01F85F, Cn },
                { 0x01F888, 0x01F88F, Cn },
                { 0x01F8AE, 0x01F8AF, Cn },
                { 0x01F8B2, 0x01F8FF, Cn },
                { 0x01FA54, 0x01FA5F, Cn },
                { 0x01FA6E, 0x01FA6F, Cn },
                { 0x01FA75, 0x01FA77, Cn },
                { 0x01FA7D, 0x01FA7F, Cn },
                { 0x01FA87, 0x01FA8F, Cn },
                { 0x01FAAD, 0x01FAAF, Cn },
                { 0x01FABB, 0x01FABF, Cn },
                { 0x01FAC6, 0x01FACF, Cn },
                { 0x01FADA, 0x01FADF, Cn },
                { 0x01FAE8, 0x01FAEF, Cn },
                { 0x01FAF7, 0x01FAFF, Cn },
                { 0x01FBCB, 0x01FBEF, Cn },
                { 0x01FBFA, 0x01FFFF, Cn },
                { 0x02A6E0, 0x02A6FF, Cn },
                { 0x02B739, 0x02B73F, Cn },
                { 0x02B81E, 0x02B81F, Cn },
                { 0x02CEA2, 0x02CEAF, Cn },
                { 0x02EBE1, 0x02F7FF, Cn },
                { 0x02FA1E, 0x02FFFF, Cn },
                { 0x03134B, 0x0E0000, Cn },
                { 0x0E0002, 0x0E001F, Cn },
                { 0x0E0020, 0x0E007F, Cf },
                { 0x0E0080, 0x0E00FF, Cn },
                { 0x0E01F0, 0x0EFFFF, Cn },
                { 0x0F0000, 0x0FFFFD, Co },
                { 0x0FFFFE, 0x0FFFFF, Cn },
                { 0x100000, 0x10FFFD, Co },
                { 0x10FFFE, 0x10FFFF, Cn },
        };
}

-- Needed for binary search.
data.ranges.length = #data.ranges

return data
```