

**NAME**

Locale::RecodeData::IBM420 – Conversion routines for IBM420

**SYNOPSIS**

This module is internal to libintl. Do not use directly!

**DESCRIPTION**

This module is generated and contains the conversion tables and routines for IBM420.

**COMMENTS**

The following comments have been extracted from the original charmap:

```
version: 1.0
source: IBM NLS RM Vol2 SE09-8002-01, March 1990
       IBM NLS RM p 11-11
alias CP420
alias EBCDIC-CP-AR1
```

Please note that aliases listed above are not necessarily valid!

**CHARACTER TABLE**

The following table is sorted in the same order as the original charmap. All character codes are in hexadecimal. Please read 'ISO-10646' as 'ISO-10646-UCS4'.

Local	ISO-10646	Description
00	00000000	NULL (NUL)
01	00000001	START OF HEADING (SOH)
02	00000002	START OF TEXT (STX)
03	00000003	END OF TEXT (ETX)
04	0000009C	STRING TERMINATOR (ST)
05	00000009	CHARACTER TABULATION (HT)
06	00000086	START OF SELECTED AREA (SSA)
07	0000007F	DELETE (DEL)
08	00000097	END OF GUARDED AREA (EPA)
09	0000008D	REVERSE LINE FEED (RI)
0A	0000008E	SINGLE-SHIFT TWO (SS2)
0B	0000000B	LINE TABULATION (VT)
0C	0000000C	FORM FEED (FF)
0D	0000000D	CARRIAGE RETURN (CR)
0E	0000000E	SHIFT OUT (SO)
0F	0000000F	SHIFT IN (SI)
10	00000010	DATALINK ESCAPE (DLE)
11	00000011	DEVICE CONTROL ONE (DC1)
12	00000012	DEVICE CONTROL TWO (DC2)
13	00000013	DEVICE CONTROL THREE (DC3)
14	0000009D	OPERATING SYSTEM COMMAND (OSC)
15	00000085	NEXT LINE (NEL)
16	00000008	BACKSPACE (BS)
17	00000087	END OF SELECTED AREA (ESA)
18	00000018	CANCEL (CAN)
19	00000019	END OF MEDIUM (EM)
1A	00000092	PRIVATE USE TWO (PU2)
1B	0000008F	SINGLE-SHIFT THREE (SS3)
1C	0000001C	FILE SEPARATOR (IS4)
1D	0000001D	GROUP SEPARATOR (IS3)
1E	0000001E	RECORD SEPARATOR (IS2)
1F	0000001F	UNIT SEPARATOR (IS1)
20	00000080	PADDING CHARACTER (PAD)

21	00000081	HIGH OCTET PRESET (HOP)
22	00000082	BREAK PERMITTED HERE (BPH)
23	00000083	NO BREAK HERE (NBH)
24	00000084	INDEX (IND)
25	0000000A	LINE FEED (LF)
26	00000017	END OF TRANSMISSION BLOCK (ETB)
27	0000001B	ESCAPE (ESC)
28	00000088	CHARACTER TABULATION SET (HTS)
29	00000089	CHARACTER TABULATION WITH JUSTIFICATION (HTJ)
2A	0000008A	LINE TABULATION SET (VTS)
2B	0000008B	PARTIAL LINE FORWARD (PLD)
2C	0000008C	PARTIAL LINE BACKWARD (PLU)
2D	00000005	ENQUIRY (ENQ)
2E	00000006	ACKNOWLEDGE (ACK)
2F	00000007	BELL (BEL)
30	00000090	DEVICE CONTROL STRING (DCS)
31	00000091	PRIVATE USE ONE (PU1)
32	00000016	SYNCHRONOUS IDLE (SYN)
33	00000093	SET TRANSMIT STATE (STS)
34	00000094	CANCEL CHARACTER (CCH)
35	00000095	MESSAGE WAITING (MW)
36	00000096	START OF GUARDED AREA (SPA)
37	00000004	END OF TRANSMISSION (EOT)
38	00000098	START OF STRING (SOS)
39	00000099	SINGLE GRAPHIC CHARACTER INTRODUCER (SGCI)
3A	0000009A	SINGLE CHARACTER INTRODUCER (SCI)
3B	0000009B	CONTROL SEQUENCE INTRODUCER (CSI)
3C	00000014	DEVICE CONTROL FOUR (DC4)
3D	00000015	NEGATIVE ACKNOWLEDGE (NAK)
3E	0000009E	PRIVACY MESSAGE (PM)
3F	0000001A	SUBSTITUTE (SUB)
40	00000020	SPACE
41	000000A0	NO-BREAK SPACE
42	00000651	ARABIC SHADDA
43	0000FE7D	ARABIC SHADDA MEDIAL FORM
44	00000640	ARABIC TATWEEL
46	00000621	ARABIC LETTER HAMZA
47	00000622	ARABIC LETTER ALEF WITH MADDA ABOVE
48	0000FE82	ARABIC LETTER ALEF WITH MADDA ABOVE FINAL FORM
49	00000623	ARABIC LETTER ALEF WITH HAMZA ABOVE
4A	000000A2	CENT SIGN
4B	0000002E	FULL STOP
4C	0000003C	LESS-THAN SIGN
4D	00000028	LEFT PARENTHESIS
4E	0000002B	PLUS SIGN
4F	0000007C	VERTICAL LINE
50	00000026	AMPERSAND
51	0000FE84	ARABIC LETTER ALEF WITH HAMZA ABOVE FINAL FORM
52	00000624	ARABIC LETTER WAW WITH HAMZA ABOVE
55	00000626	ARABIC LETTER YEH WITH HAMZA ABOVE
56	00000627	ARABIC LETTER ALEF
57	0000FE8E	ARABIC LETTER ALEF FINAL FORM
58	00000628	ARABIC LETTER BEH
59	0000FE91	ARABIC LETTER BEH INITIAL FORM

5A	00000021	EXCLAMATION MARK
5B	00000024	DOLLAR SIGN
5C	0000002A	ASTERISK
5D	00000029	RIGHT PARENTHESIS
5E	0000003B	SEMICOLON
5F	000000AC	NOT SIGN
60	0000002D	HYPHEN-MINUS
61	0000002F	SOLIDUS
62	00000629	ARABIC LETTER TEH MARBUTA
63	0000062A	ARABIC LETTER TEH
64	0000FE97	ARABIC LETTER TEH INITIAL FORM
65	0000062B	ARABIC LETTER THEH
66	0000FE9B	ARABIC LETTER THEH INITIAL FORM
67	0000062C	ARABIC LETTER JEEM
68	0000FE9F	ARABIC LETTER JEEM INITIAL FORM
69	0000062D	ARABIC LETTER HAH
6A	000000A6	BROKEN BAR
6B	0000002C	COMMA
6C	00000025	PERCENT SIGN
6D	0000005F	LOW LINE
6E	0000003E	GREATER-THAN SIGN
6F	0000003F	QUESTION MARK
70	0000FEA3	ARABIC LETTER HAH INITIAL FORM
71	0000062E	ARABIC LETTER KHAH
72	0000FEA7	ARABIC LETTER KHAH INITIAL FORM
73	0000062F	ARABIC LETTER DAL
74	00000630	ARABIC LETTER THAL
75	00000631	ARABIC LETTER REH
76	00000632	ARABIC LETTER ZAIN
77	00000633	ARABIC LETTER SEEN
78	0000FEB3	ARABIC LETTER SEEN INITIAL FORM
79	0000060C	ARABIC COMMA
7A	0000003A	COLON
7B	00000023	NUMBER SIGN
7C	00000040	COMMERCIAL AT
7D	00000027	APOSTROPHE
7E	0000003D	EQUALS SIGN
7F	00000022	QUOTATION MARK
80	00000634	ARABIC LETTER SHEEN
81	00000061	LATIN SMALL LETTER A
82	00000062	LATIN SMALL LETTER B
83	00000063	LATIN SMALL LETTER C
84	00000064	LATIN SMALL LETTER D
85	00000065	LATIN SMALL LETTER E
86	00000066	LATIN SMALL LETTER F
87	00000067	LATIN SMALL LETTER G
88	00000068	LATIN SMALL LETTER H
89	00000069	LATIN SMALL LETTER I
8A	0000FEB7	ARABIC LETTER SHEEN INITIAL FORM
8B	00000635	ARABIC LETTER SAD
8C	0000FEBB	ARABIC LETTER SAD INITIAL FORM
8D	00000636	ARABIC LETTER DAD
8E	0000FEBF	ARABIC LETTER DAD INITIAL FORM
8F	00000637	ARABIC LETTER TAH

90	00000638	ARABIC LETTER ZAH
91	0000006A	LATIN SMALL LETTER J
92	0000006B	LATIN SMALL LETTER K
93	0000006C	LATIN SMALL LETTER L
94	0000006D	LATIN SMALL LETTER M
95	0000006E	LATIN SMALL LETTER N
96	0000006F	LATIN SMALL LETTER O
97	00000070	LATIN SMALL LETTER P
98	00000071	LATIN SMALL LETTER Q
99	00000072	LATIN SMALL LETTER R
9A	00000639	ARABIC LETTER AIN
9B	0000FECA	ARABIC LETTER AIN FINAL FORM
9C	0000FECB	ARABIC LETTER AIN INITIAL FORM
9D	0000FECC	ARABIC LETTER AIN MEDIAL FORM
9E	0000063A	ARABIC LETTER GHAIN
9F	0000FECE	ARABIC LETTER GHAIN FINAL FORM
A0	0000FECF	ARABIC LETTER GHAIN INITIAL FORM
A1	000000F7	DIVISION SIGN
A2	00000073	LATIN SMALL LETTER S
A3	00000074	LATIN SMALL LETTER T
A4	00000075	LATIN SMALL LETTER U
A5	00000076	LATIN SMALL LETTER V
A6	00000077	LATIN SMALL LETTER W
A7	00000078	LATIN SMALL LETTER X
A8	00000079	LATIN SMALL LETTER Y
A9	0000007A	LATIN SMALL LETTER Z
AA	0000FED0	ARABIC LETTER GHAIN MEDIAL FORM
AB	00000641	ARABIC LETTER FEH
AC	0000FED3	ARABIC LETTER FEH INITIAL FORM
AD	00000642	ARABIC LETTER QAF
AE	0000FED7	ARABIC LETTER QAF INITIAL FORM
AF	00000643	ARABIC LETTER KAF
B0	0000FEDB	ARABIC LETTER KAF INITIAL FORM
B1	00000644	ARABIC LETTER LAM
B2	0000FEF5	ARABIC LIGATURE LAM WITH ALEF WITH MADDA ABOVE ISOLATED FORM
B3	0000FEF6	ARABIC LIGATURE LAM WITH ALEF WITH MADDA ABOVE FINAL FORM
B4	0000FEF7	ARABIC LIGATURE LAM WITH ALEF WITH HAMZA ABOVE ISOLATED FORM
B5	0000FEF8	ARABIC LIGATURE LAM WITH ALEF WITH HAMZA ABOVE FINAL FORM
B8	0000FEFB	ARABIC LIGATURE LAM WITH ALEF ISOLATED FORM
B9	0000FEFC	ARABIC LIGATURE LAM WITH ALEF FINAL FORM
BA	0000FEDF	ARABIC LETTER LAM INITIAL FORM
BB	00000645	ARABIC LETTER MEEM
BC	0000FEE3	ARABIC LETTER MEEM INITIAL FORM
BD	00000646	ARABIC LETTER NOON
BE	0000FEE7	ARABIC LETTER NOON INITIAL FORM
BF	00000647	ARABIC LETTER HEH
C0	0000061B	ARABIC SEMICOLON
C1	00000041	LATIN CAPITAL LETTER A
C2	00000042	LATIN CAPITAL LETTER B
C3	00000043	LATIN CAPITAL LETTER C
C4	00000044	LATIN CAPITAL LETTER D
C5	00000045	LATIN CAPITAL LETTER E
C6	00000046	LATIN CAPITAL LETTER F
C7	00000047	LATIN CAPITAL LETTER G

C8	00000048	LATIN CAPITAL LETTER H
C9	00000049	LATIN CAPITAL LETTER I
CA	000000AD	SOFT HYPHEN
CB	0000FEEB	ARABIC LETTER HEH INITIAL FORM
CD	0000FEED	ARABIC LETTER HEH MEDIAL FORM
CF	00000648	ARABIC LETTER WAW
D0	0000061F	ARABIC QUESTION MARK
D1	0000004A	LATIN CAPITAL LETTER J
D2	0000004B	LATIN CAPITAL LETTER K
D3	0000004C	LATIN CAPITAL LETTER L
D4	0000004D	LATIN CAPITAL LETTER M
D5	0000004E	LATIN CAPITAL LETTER N
D6	0000004F	LATIN CAPITAL LETTER O
D7	00000050	LATIN CAPITAL LETTER P
D8	00000051	LATIN CAPITAL LETTER Q
D9	00000052	LATIN CAPITAL LETTER R
DA	00000649	ARABIC LETTER ALEF MAKSURA
DB	0000FEF0	ARABIC LETTER ALEF MAKSURA FINAL FORM
DC	0000064A	ARABIC LETTER YEH
DD	0000FEF2	ARABIC LETTER YEH FINAL FORM
DE	0000FEF3	ARABIC LETTER YEH INITIAL FORM
DF	00000660	ARABIC-INDIC DIGIT ZERO
E0	000000D7	MULTIPLICATION SIGN
E2	00000053	LATIN CAPITAL LETTER S
E3	00000054	LATIN CAPITAL LETTER T
E4	00000055	LATIN CAPITAL LETTER U
E5	00000056	LATIN CAPITAL LETTER V
E6	00000057	LATIN CAPITAL LETTER W
E7	00000058	LATIN CAPITAL LETTER X
E8	00000059	LATIN CAPITAL LETTER Y
E9	0000005A	LATIN CAPITAL LETTER Z
EA	00000661	ARABIC-INDIC DIGIT ONE
EB	00000662	ARABIC-INDIC DIGIT TWO
ED	00000663	ARABIC-INDIC DIGIT THREE
EE	00000664	ARABIC-INDIC DIGIT FOUR
EF	00000665	ARABIC-INDIC DIGIT FIVE
F0	00000030	DIGIT ZERO
F1	00000031	DIGIT ONE
F2	00000032	DIGIT TWO
F3	00000033	DIGIT THREE
F4	00000034	DIGIT FOUR
F5	00000035	DIGIT FIVE
F6	00000036	DIGIT SIX
F7	00000037	DIGIT SEVEN
F8	00000038	DIGIT EIGHT
F9	00000039	DIGIT NINE
FB	00000666	ARABIC-INDIC DIGIT SIX
FC	00000667	ARABIC-INDIC DIGIT SEVEN
FD	00000668	ARABIC-INDIC DIGIT EIGHT
FE	00000669	ARABIC-INDIC DIGIT NINE
FF	0000009F	APPLICATION PROGRAM COMMAND (APC)

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**SEE ALSO**

**Locale::RecodeData** (3), **Locale::Recode** (3), **perl** (1)