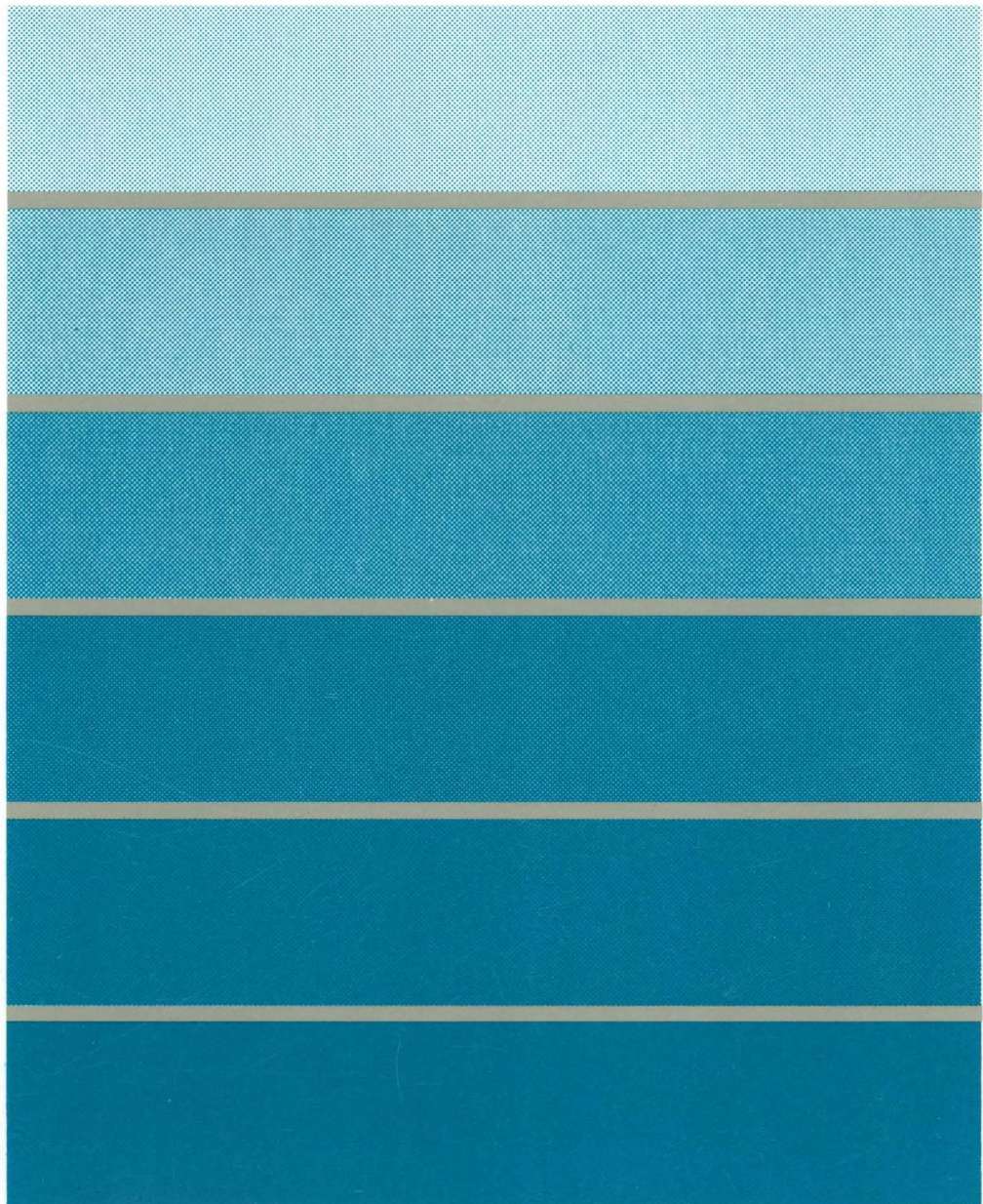




Character Set Reference





3174 Establishment Controller

GA27-3831-01

Character Set Reference

Second Edition (May 1989)

This edition supersedes and obsoletes GA27-3831-0.

Changes are made periodically to the information herein; before using this publication in connection with the operation of IBM systems or equipment, consult your IBM sales representative or the latest *IBM System/370, 30xx, and 4300 Processors Bibliography*, GC20-0001, for the editions that are applicable and current.

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Choosing the Right Book from the 3174 Library

The 3174 library contains information for installing, customizing, operating, maintaining, and programming the data stream for the 3174 controller. The list below shows the manuals you need to perform these tasks.

To Organize Library Materials:

Binders and Inserts, SBOF-0089
Binder, SX23-0331
Inserts, SX23-0332

To Become Familiar with the 3174:

Master Index, GC30-3515
3174 Introduction, GA27-3850
3270 Information Display System Introduction, GA27-2739

To Prepare Your Site for the 3174:

Site Planning, GA23-0213
Physical Planning Template, GX27-2999

To Set Up and Operate the 3174:

Models 1L, 1R, 2R, 3R, 11L, 11R, 12R, and 13R User's Guide, GA23-0337
Models 51R, 52R, 53R, 61R, 62R, and 63R User's Guide, GA23-0333
Models 81R, 82R, 91R, and 92R User's Guide, GA23-0313

To Plan for and Customize the 3174:

Configuration Support A and S

Planning Guide, GA27-3844
Utilities Guide, GA27-3853
Central Site Customizing User's Guide, GA23-0342

Configuration Support B

Planning Guide, GA27-3862
Utilities Guide, GA27-3863
Central Site Customizing User's Guide, GA23-3868

To Install Features or Convert Models on the 3174:

Encrypt/Decrypt Adapter Installation and Removal Instructions, GA23-0262
Fixed Disk Installation and Removal Instructions, GA27-3864
Diskette Drive Installation and Removal Instructions, GA23-0263
Terminal Multiplexer Adapter Installation and Removal Instructions, GA23-0265
Model Conversion Instructions, GA23-0295
Token-Ring Network Feature Installation and Removal Instructions, GA23-0329
Storage Expansion Feature Installation and Removal Instructions, GA23-0330
Communications Adapter Installation and Removal Instructions, GA27-3830
Asynchronous Emulation Adapter Installation and Removal Instructions, GA23-0341
Concurrent Communication Adapter Installation and Removal Instructions, GA27-3851

To Plan for and Use the Asynchronous Emulation Adapter Feature:

Planning Guide, GA27-3844 or GA27-3862
Utilities Guide, GA27-3853 or GA27-3863
Terminal User's Reference for Expanded Functions, GA23-0332

To Use the Multiple Logical Terminals Function:

Planning Guide, GA27-3844 or GA27-3862
Utilities Guide, GA27-3853 or GA27-3863
Terminal User's Reference for Expanded Functions, GA23-0332

To Perform Problem Determination:

Customer Problem Determination, GA23-0217
Status Codes, GA27-3832

To Obtain Data Stream Programming and Reference Information:

Functional Description, GA23-0218
Data Stream Programmer's Reference, GA23-0059
3174 Character Set Reference, GA27-3831
3270 Character Set Reference, GA27-2837
3270 X.25 Operation, GA23-0204

To Perform Maintenance (Service Personnel):

Models 1L, 1R, 2R, 3R, 11L, 11R, 12R, and 13R Maintenance Information, SY27-2572
Models 51R, 52R, 53R, 61R, 62R, and 63R Maintenance Information, SY27-2573
Models 81R, 82R, 91R, and 92R Maintenance Information, SY27-2584

To Find Translations of Safety Notices:

Safety Notices, GA27-3824

Related Publications

- *IBM 3270 Information Display System Entry Assist User's Guide*, GA23-0119.

Preface

This manual provides management personnel, programmers, and systems analysts with general reference information relating to keyboards, code pages, and character generators that are supported by the 3174 Establishment Controller both in the United States and in World Trade (WT) countries.

Note: Information for specific or unique keyboard functions independent of 3174 support can be found in each specific terminal's user documentation.

Summary of Changes

Second Edition (May 1989)

This book supports Configuration Support A and S Release 5.0 and Configuration Support B Release 1.0.

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Chapter 1. Introduction

This reference manual illustrates layouts of the common keyboard function, code pages, and character generators for the various national languages supported by the IBM 3174. Some keyboards have *local function* keys that support terminal functions independent of 3174 support. Those keys are not shown in this manual. For the local keyboard functions supported by a specific terminal, see the documentation for that terminal.

Some keyboard customizing questions and responses are summarized with each national language. This information is shown as: **Qnnn = xxx**. Where **nnn** is the customizing question number and **xxx** is the response for each corresponding language or keyboard feature. Refer to "Choosing the Right Book from the 3174 Library" on page iii for 3174 publications containing customizing information.

Keyboards Supported by the 3174

The 3174 supports the following keyboards:

- Base keyboard
- Converged keyboard
- Enhanced keyboard.

The terminals that use the keyboards described in this manual are:

- | | |
|----------------------------------|----------------------------------|
| • IBM 3178 Display Station | • IBM 3192 Display Station |
| • IBM 3179 Color Display Station | • IBM 3278 Display Station |
| • IBM 3180 Display Station | • IBM 3279 Color Display Station |
| • IBM 3191 Display Station | • IBM emulators |

Also, there are code page charts in Chapter 5 for the following alphanumeric national languages and features.

Note: Be aware that the exact shapes of the code page characters shown in this book may vary somewhat from those you see displayed or printed, depending on how your display or printer forms the characters.

APL Character Set	English (U.S.) ASCII-7	Norwegian
APL2 Character Set	English (U.S.) ASCII-8	Portuguese
Austrian/German	English (U.S.) ASCII-International	ROECE Latin
Belgian	Finnish	Spanish
Belgian (New)	French	Spanish-Speaking
Brazilian	Greek	Swedish
Canadian Bilingual	Icelandic	Swiss-French (New)
Cyrillic	International	Swiss-German (New)
Danish	Italian	TEXT Character Set
EBCDIC (WT)	Japanese English	Thai
English (U.K)	Japanese Katakana	Turkish
English (U.S.)	Netherlands	Yugoslav

Supported Keyboards

The code pages, except where noted, are applicable to the following machines besides those listed previously:

- 3812 Page Printer Model 2
- 4214 Printer Model 1
- 4224 Printer Models 201, 202, 2C2, and 2E2
- 4234 Printer Model 1
- 4245 Printer Models D12 and D20
- 4250 Printer
- 5210 Printer Models G01 and G02.
- 6262 Printer Models D12 and D14

Extension/Extended Select Function

The Extension (Base keyboards) and Extended Select (Enhanced and Converged keyboards) function provides a keyboard mode in which additional functions required by such features as the X.21 or X.25 interfaces may be activated. The keyboard is placed in Extension/Extended Select mode by use of the Extension key or Extended Select key on the keyboard. The keys that have been assigned the additional functions required by the feature then become active. See the keyboard layouts in the respective keyboard chapters in this book.

Base Keyboards and Supported Languages

The following table summarizes the National Language Support for the base keyboards that are shown in Chapter 2, "Base Keyboards."

Table 1-1. Base Keyboards					
Language/Type	Typewriter	Data Entry	Data Entry Keypunch	APL	Text
Austrian/German	X	X	X	X	
Belgian	X	X	X	X	
Belgian (New)	X	X	X	X	
Brazilian	X	X	X	X	
Canadian Bilingual	X	X	X	X	X
Danish	X	X	X	X	
EBCDIC (WT)	X	X	X	X	
English (UK)	X	X	X	X	
English (US)	X	X	X	X	X
English (US) ASCII	X				
Finnish	X	X	X	X	
French	X	X	X	X	
Greek	X	X			
Icelandic	X				
International	X	X	X	X	
Italian	X	X	X	X	
Japanese (English)	X	X	X	X	
Japanese (Katakana)	X	X		X	
Netherlands	X	X	X	X	X
Norwegian	X	X	X	X	
Portuguese	X	X	X	X	
Spanish	X	X	X	X	
Spanish-Speaking	X	X	X	X	
Swedish	X	X	X	X	
Swiss-French (New)	X	X			
Swiss-German (New)	X	X			
Turkish	X				
Special Keyboards					
Attribute Select	X			X	
Model 1038	X				
Model 1158	X			X	
Model 1808	X				
Model 1932	X				

Converged Keyboards and Supported Languages

The following table summarizes the National Language Support for the converged keyboards that are shown in Chapter 3, “Converged Keyboards.”

Table 1-2. Converged Keyboards			
Language/Type	Typewriter	Data Entry	APL
Austria/German	X	X	X
Belgian	X		X
Belgian (New)	X		X
Canadian Bilingual	X	X	X
Cyrillic	X		
Danish	X	X	X
English (UK)	X	X	X
English (US)	X	X	X
English (US) ASCII	X		
Finnish	X	X	X
French	X	X	X
Greek	X		
Icelandic	X		
Italian	X	X	X
Japanese Katakana	X	X	X
Netherlands	X	X	X
Norwegian	X	X	X
Portuguese	X	X	X
ROECE Latin	X		
Spanish	X		X
Spanish-Speaking	X	X	X
Swedish	X	X	X
Swiss-French (New)	X		X
Swiss-German (New)	X		X
Turkish	X		
Yugoslav	X		

Enhanced Keyboards and Supported Languages

The following table summarizes the National Language Support for the enhanced keyboards that are shown in Chapter 4, “Enhanced Keyboards.”

Table 1-3. Enhanced Keyboards	
Country	Typewriter
Austria/German	X
Belgian (New)	X
Canadian Bilingual	X
Cyrillic	X
Danish	X
English (UK)	X
English (US)	X
Finnish	X
French	X
Greek	X
Icelandic	X
Italian	X
Japanese Katakana	X
Netherlands	X
Norwegian	X
Portuguese	X
ROECE Latin	X
Spanish	X
Spanish-Speaking	X
Swedish	X
Swiss-French (New)	X
Swiss-German (New)	X
Thai	X
Turkish	X
Yugoslav	X

Chapter 2. Base Keyboards

This chapter provides definitions and national language layouts for the IBM Base keyboards.

These keyboards consists of 75-key and 87-key keyboards. The Japanese Katakana versions add one key, making those 76-key and 88-key keyboards respectively. The 3178, 3278, and 3279 display stations use the Base keyboards described in the following sections.

You can mix Typewriter, Data Entry, Text, APL, or Data Entry Keypunch keyboards in the same control unit environment, if the keyboard languages are the same.

Twelve of the keys in the top row of the 75/76-key keyboard are standard program function keys PF1 through PF12. APL keyboards do not have PF keys in the top row; see the following note. On 87/88-key keyboards, an additional group of 12 program function keys are on the right-hand side of the keyboard. On 87/88-key keyboards attached to a 3278 Model 2, 3, or 4, or to a 3279 Model 2B or 3B, the additional program function keys may have added functions. The added functions control the extended attributes: highlighting, programmed symbols, and, on the 3279, color.

Note: On 87/88-key APL and Text keyboards, the 12 program function keys to the right of the keyboard are PF1 through PF12. Where these keys also control attribute selection, their use is the same as on other 87/88-key keyboards.

Control Unit Terminal (CUT) Emulators

The IBM 3194 Display Station operating in CUT mode has either a Converged or an Enhanced keyboard that emulates a Base keyboard. IBM personal computer keyboards emulate a Base keyboard.

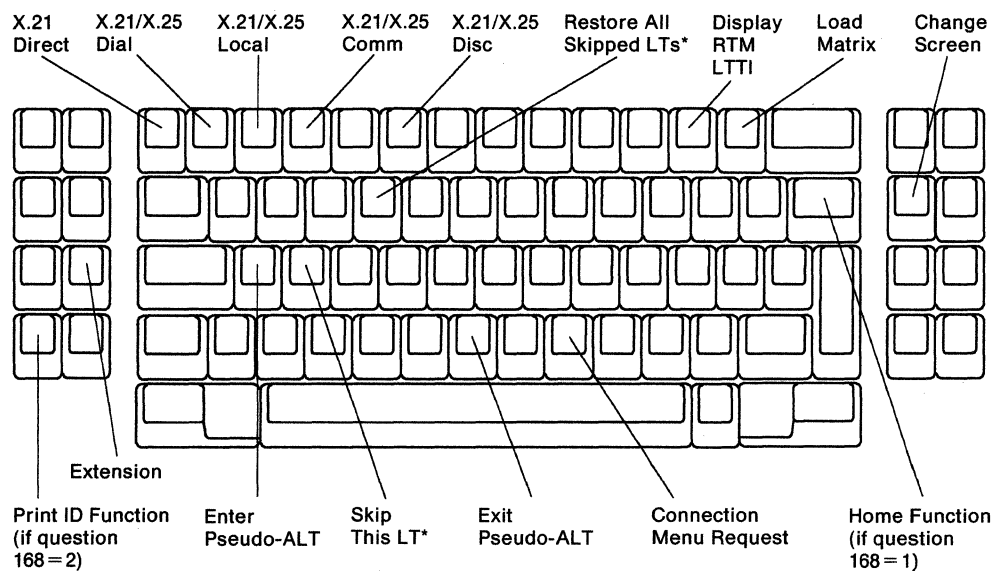
Base Keyboard Layouts

The remainder of this chapter shows the Base keyboard layouts in the various national languages supported by the 3174.

Note: For ASCII supported keyboards, refer to the *Terminal User's Reference for Expanded Functions*, GA23-0332.

Extension Functions

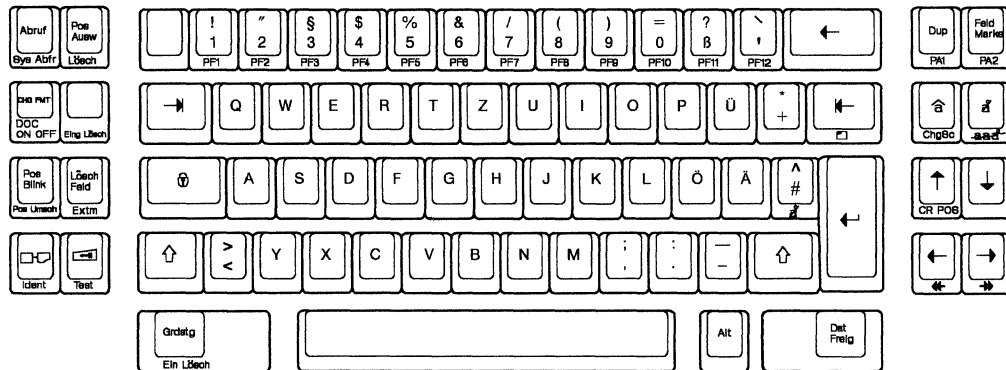
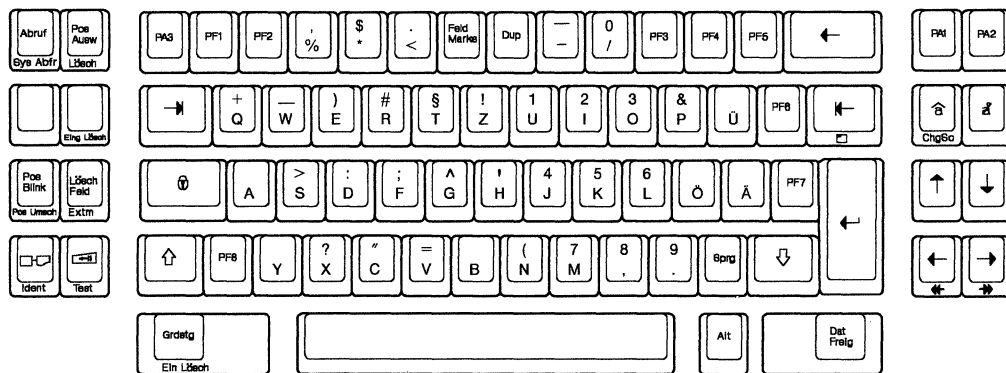
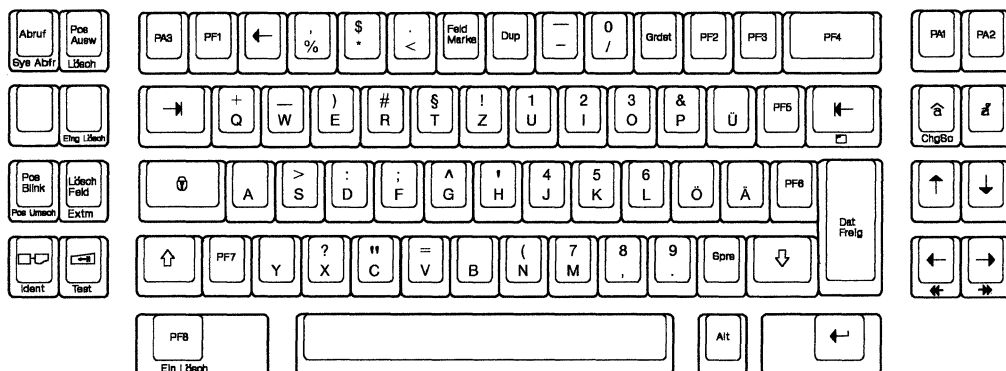
The following layout shows the functions that are enabled after invoking Extension/Extended Select mode. Descriptions of the functions are found in the *3174 Functional Description*, GA23-0218.

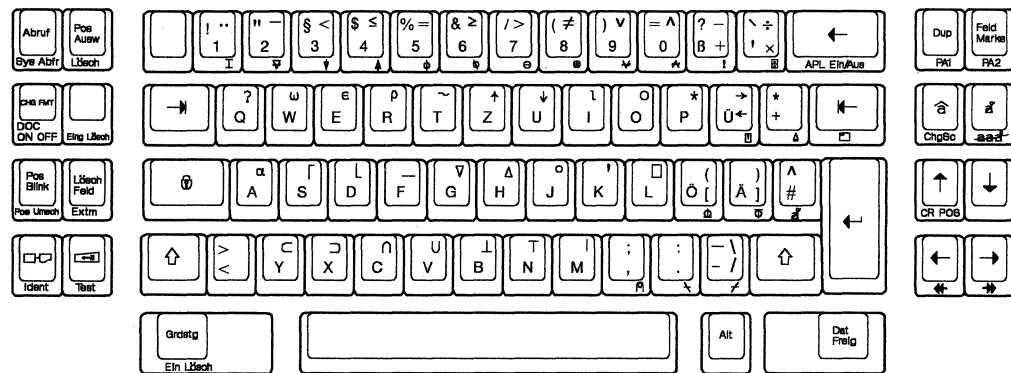


*Configuration Support B Only

Austrian/German

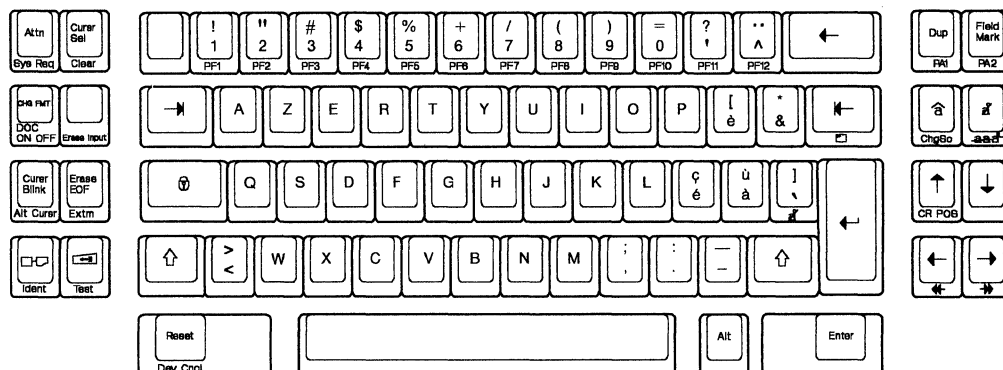
(Q121 = 03)

Typewriter**Data Entry****Data Entry Keypunch**

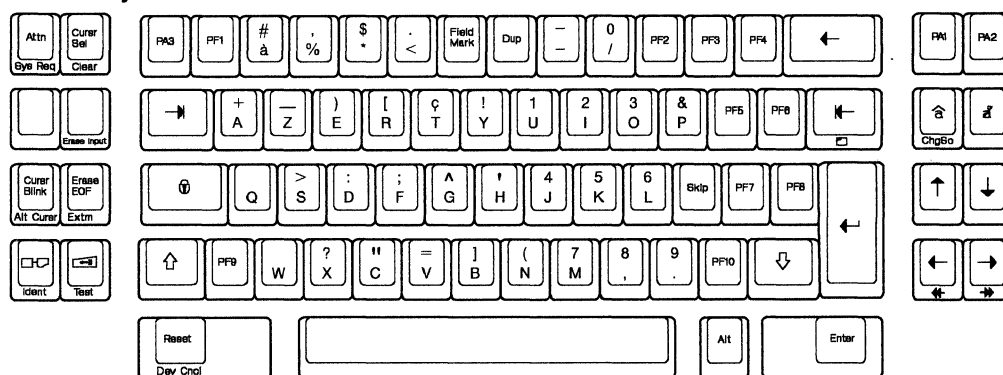
APL

Belgian (Q121 = 04)

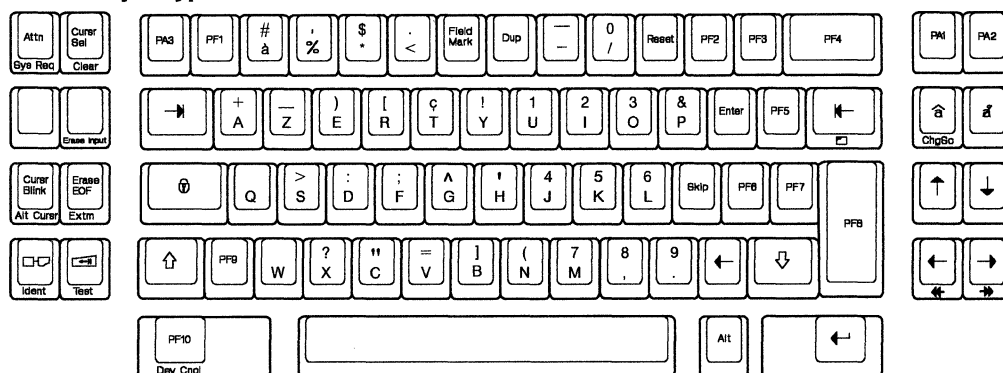
Typewriter



Data Entry



Data Entry Keypunch

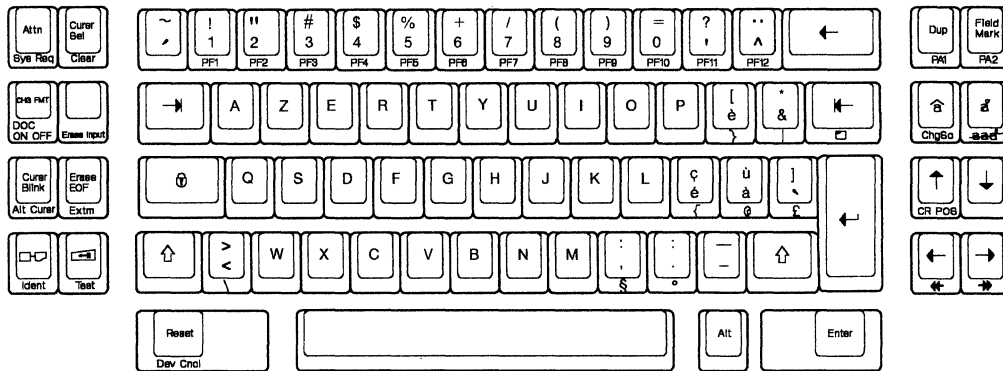
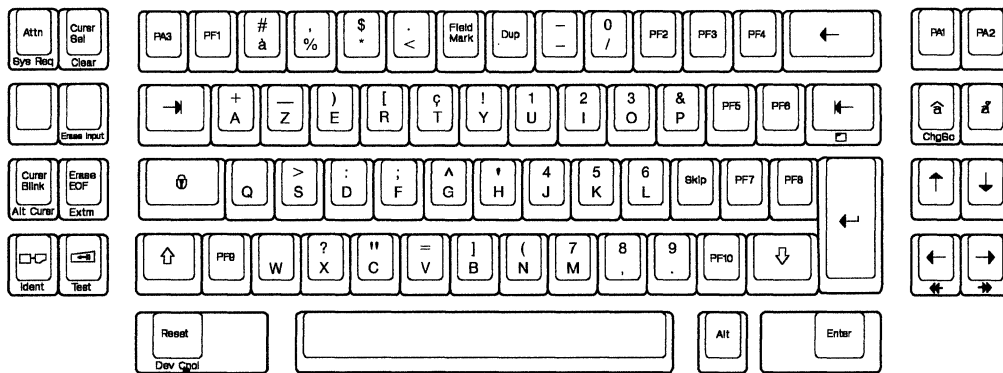
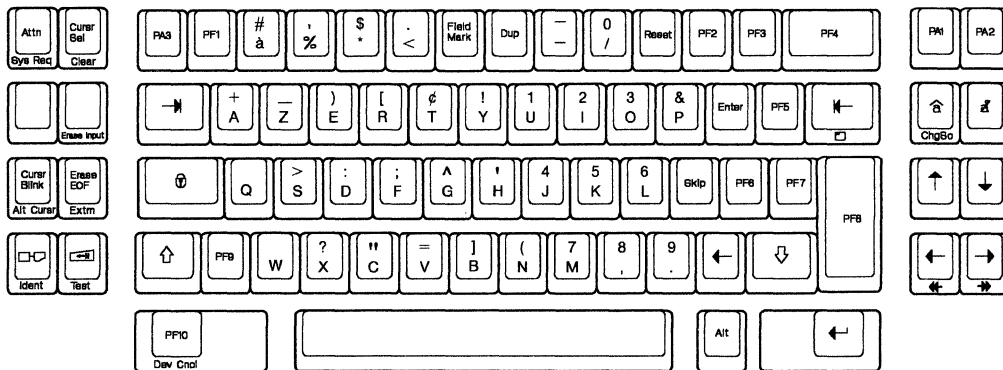


9



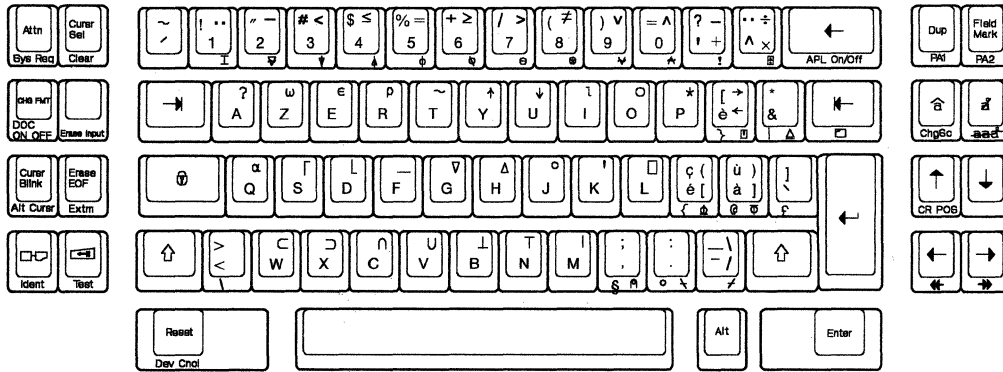
Belgian (New)

(Q121 = 43)

Typewriter**Data Entry****Data Entry Keypunch**

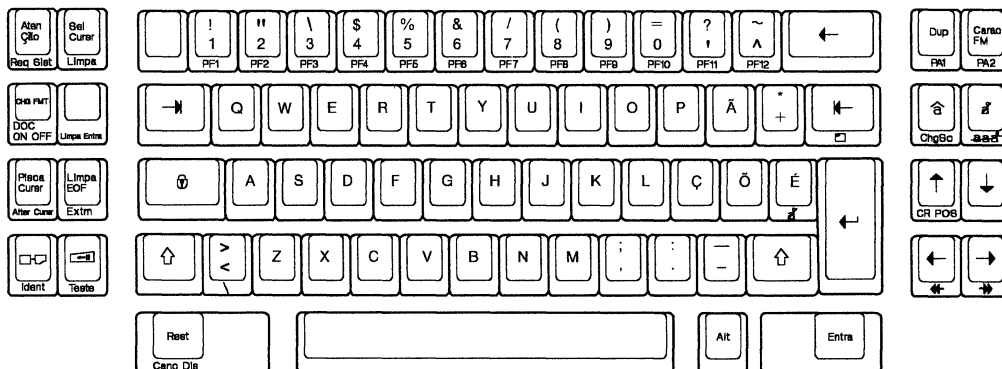
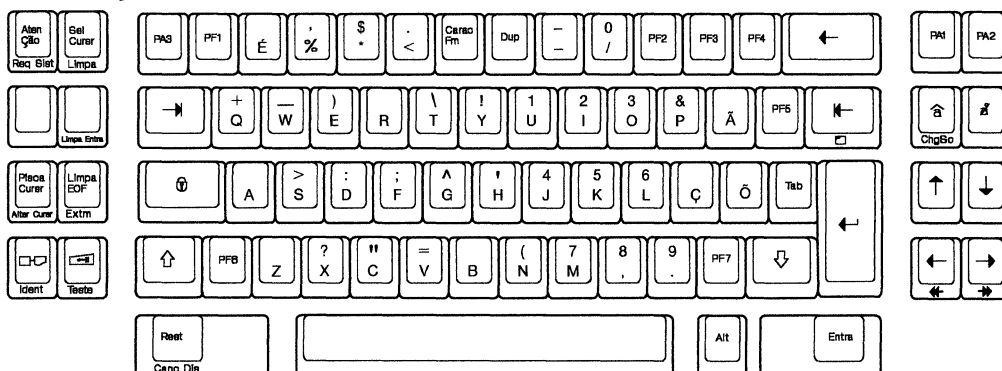
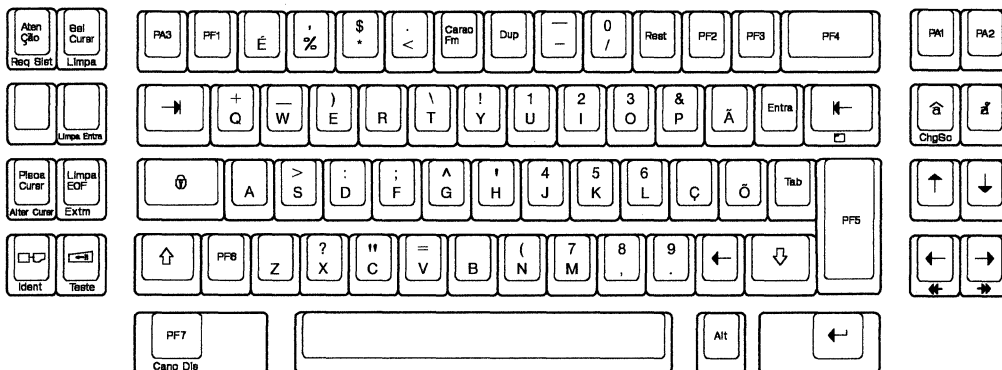
Belgian (New)

APL

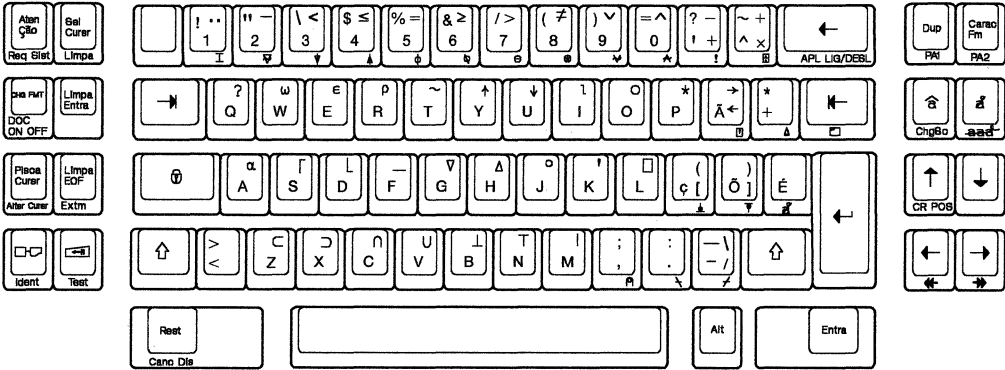


Brazilian

(Q121 = 05)

Typewriter**Data Entry****Data Entry Keypunch**

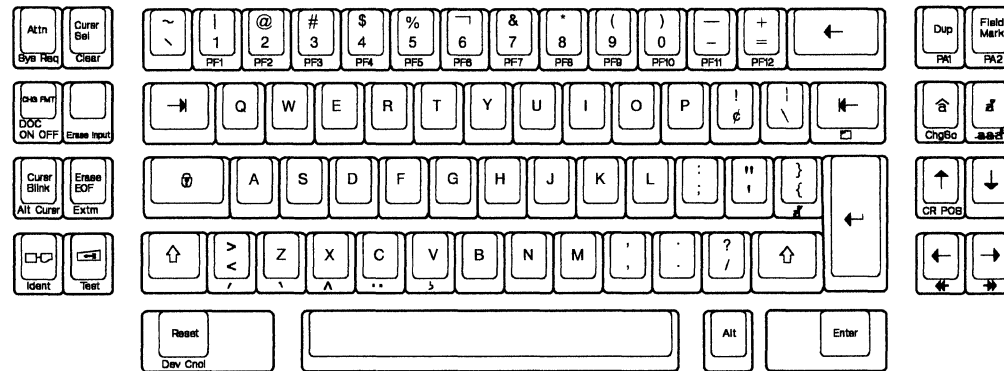
APL



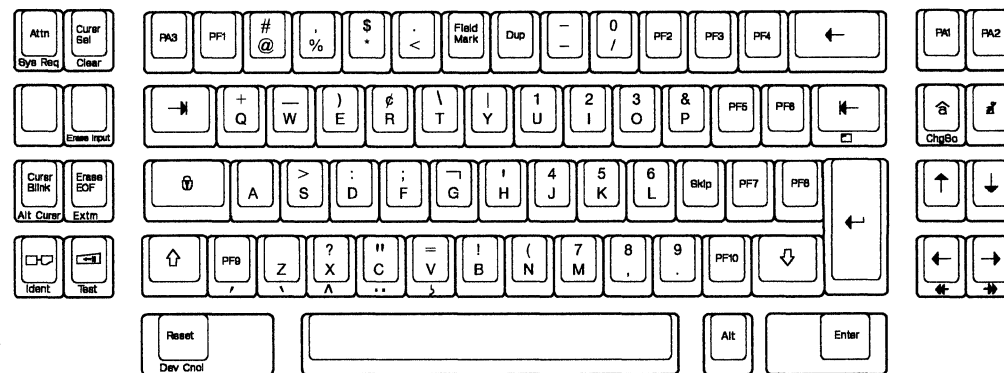
Canadian Bilingual

(Q121 = 29)

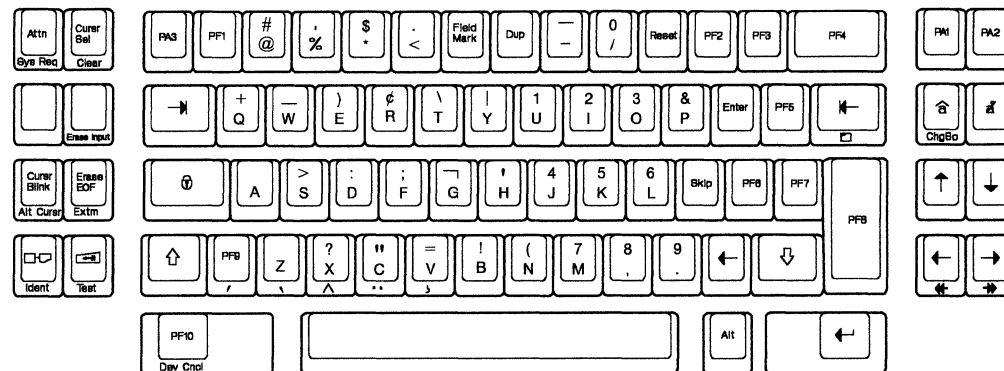
Typewriter



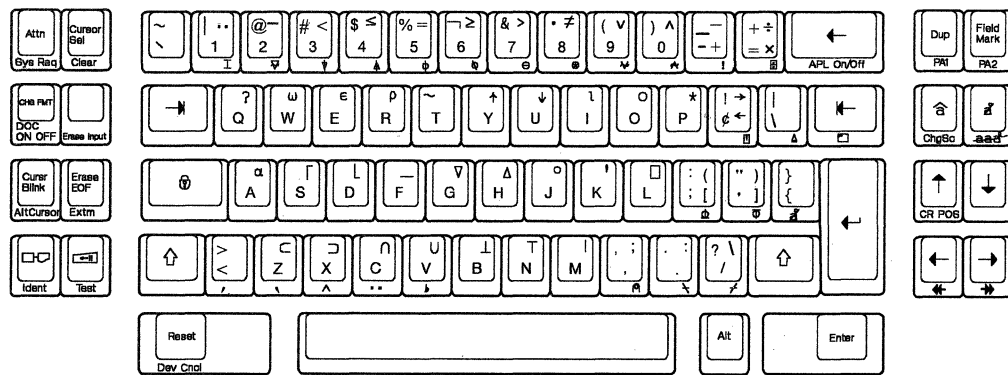
Data Entry



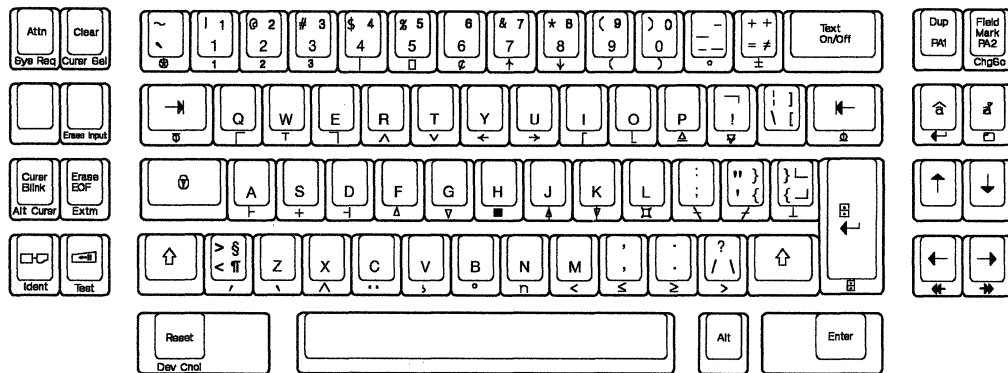
Data Entry Keypunch



APL

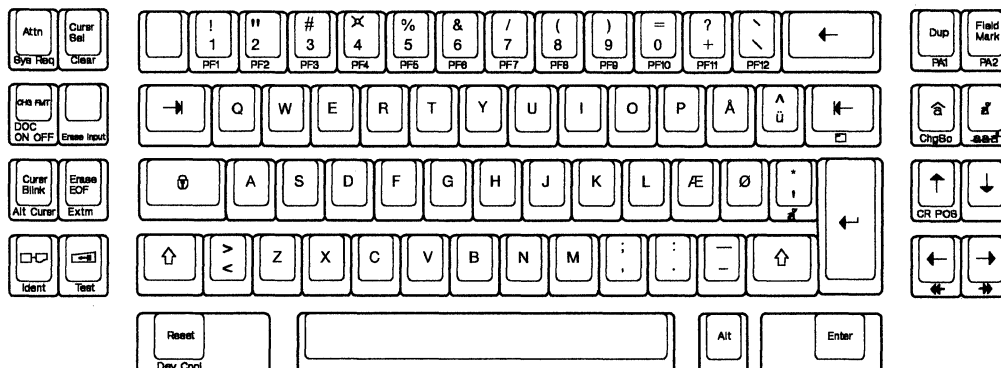


Text

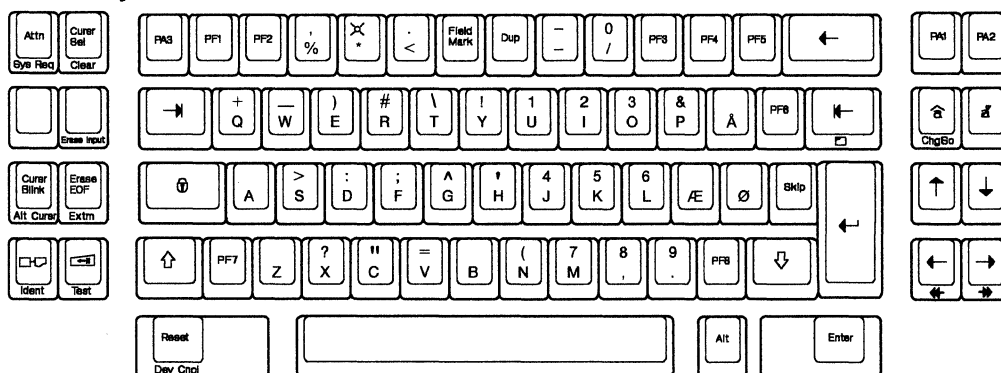


Danish (Q121 = 07)

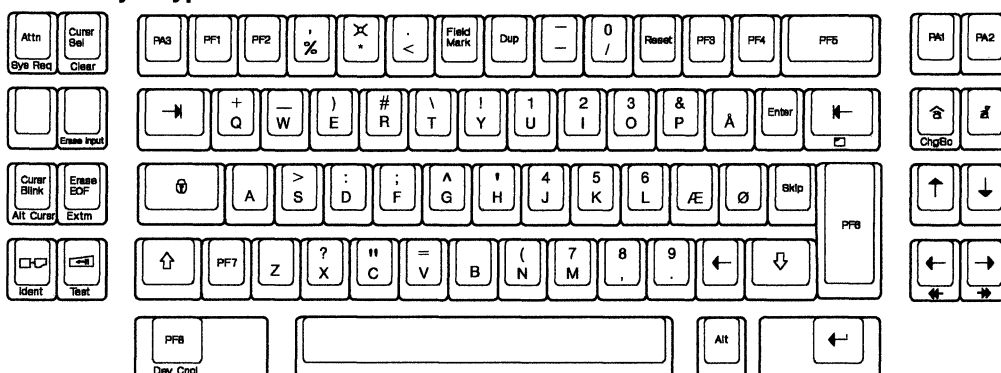
Typewriter



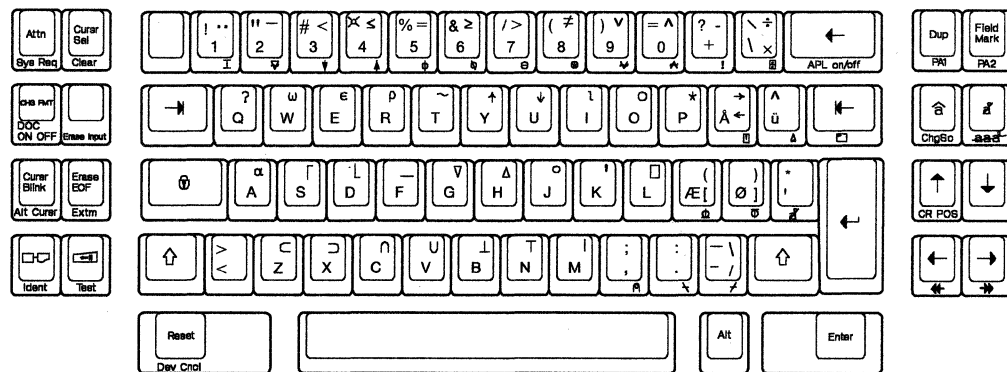
Data Entry



Data Entry Keypunch



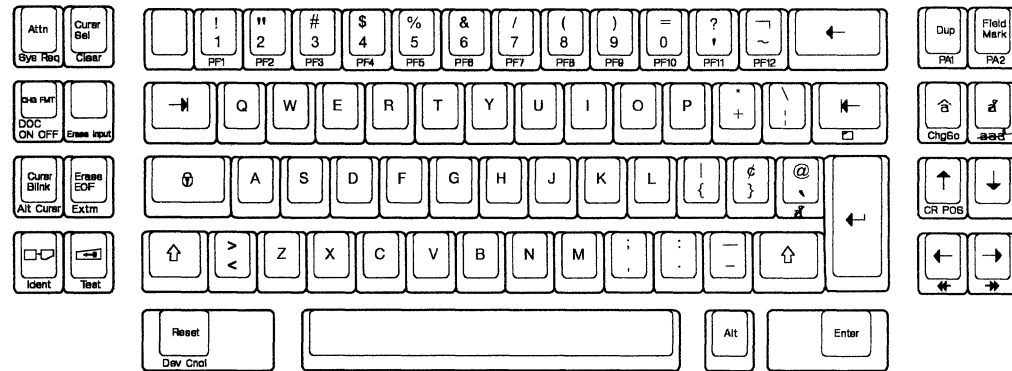
APL



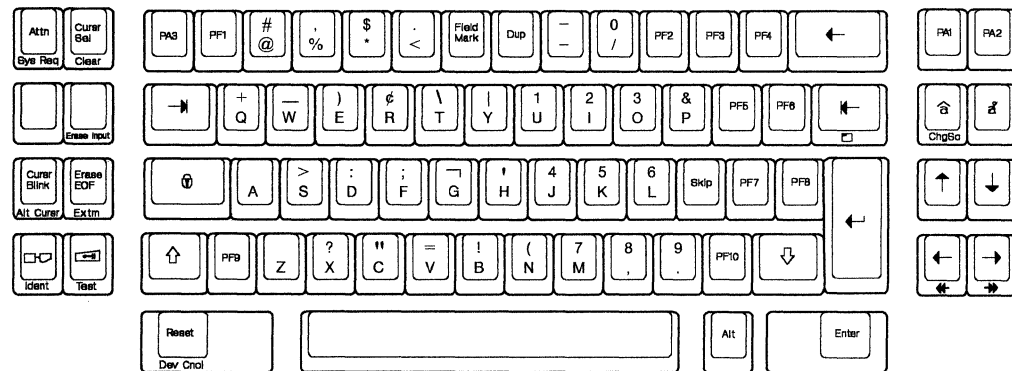
EBCDIC WT

(Q121 = 25)

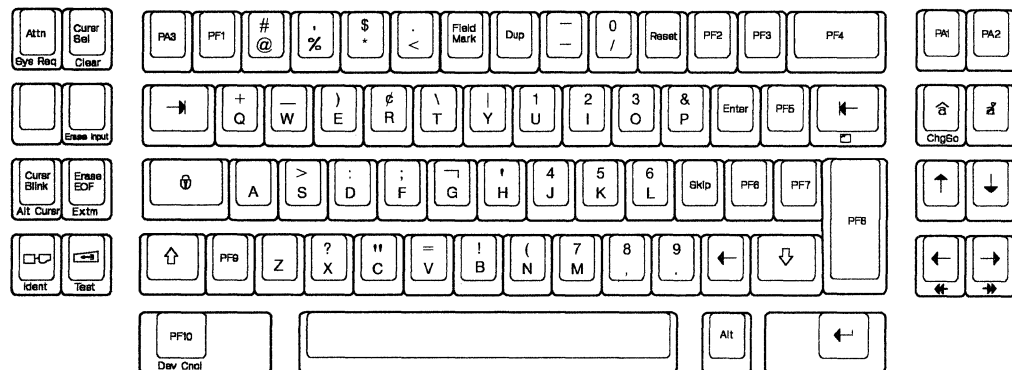
Typewriter



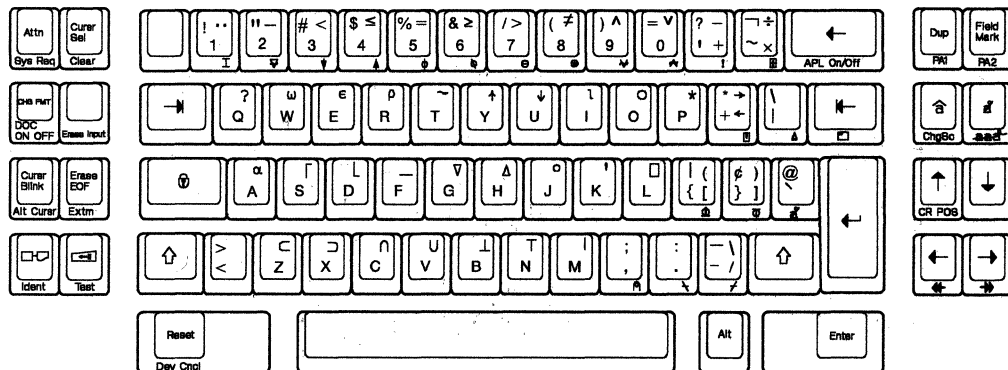
Data Entry



Data Entry Keypunch

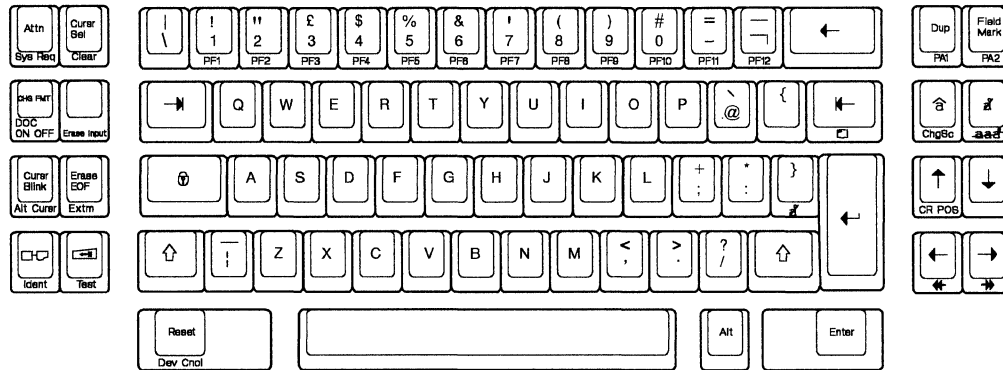
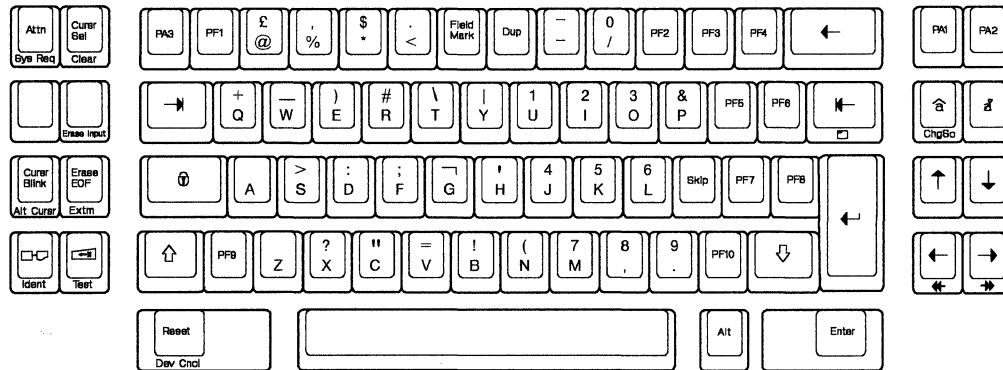
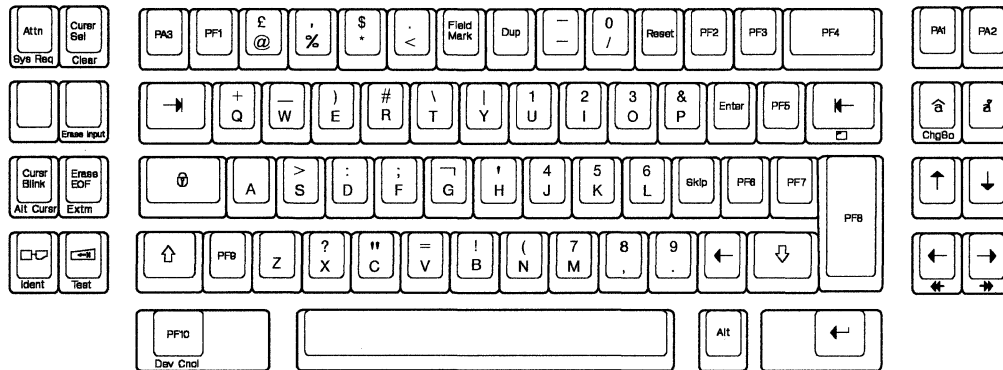


APL

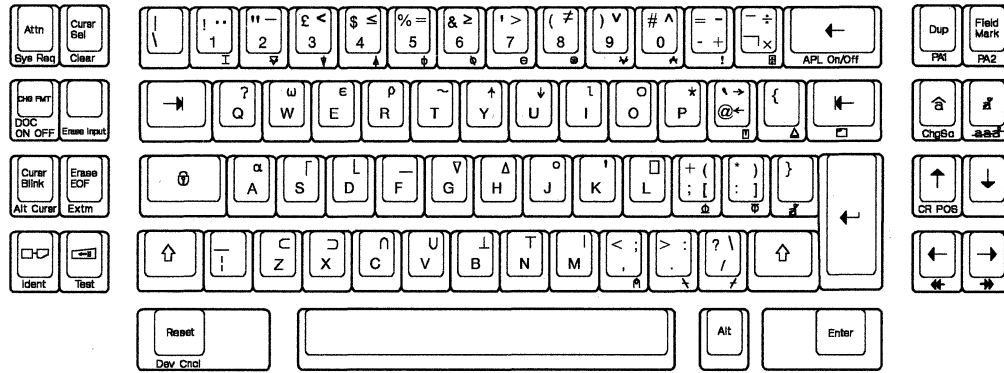


English (U.K.)

(Q121 = 22)

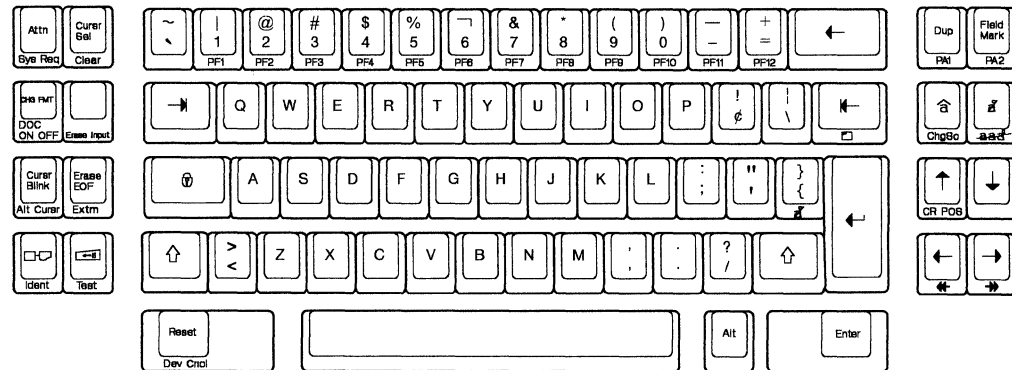
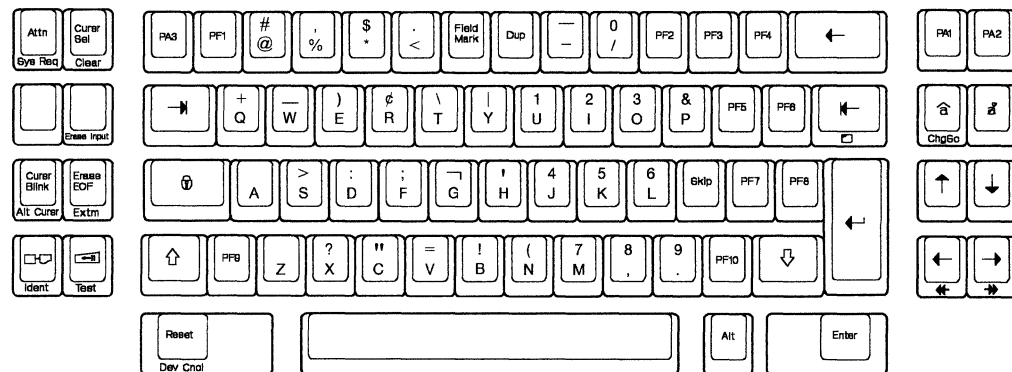
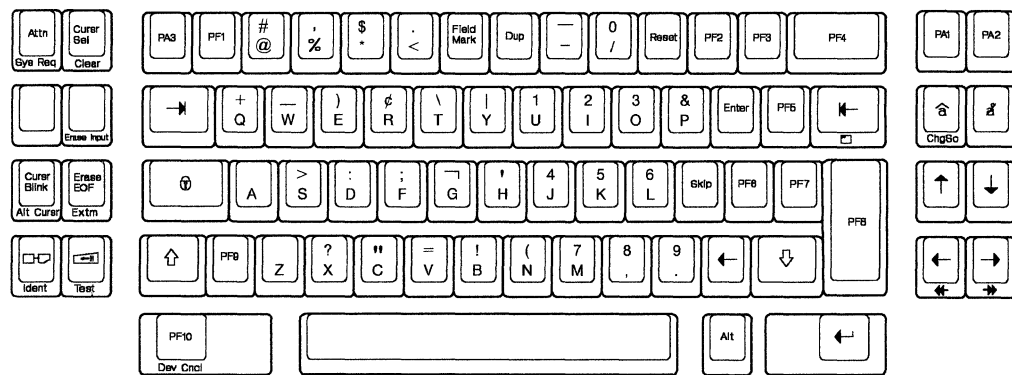
Typewriter**Data Entry****Data Entry Keypunch**

APL

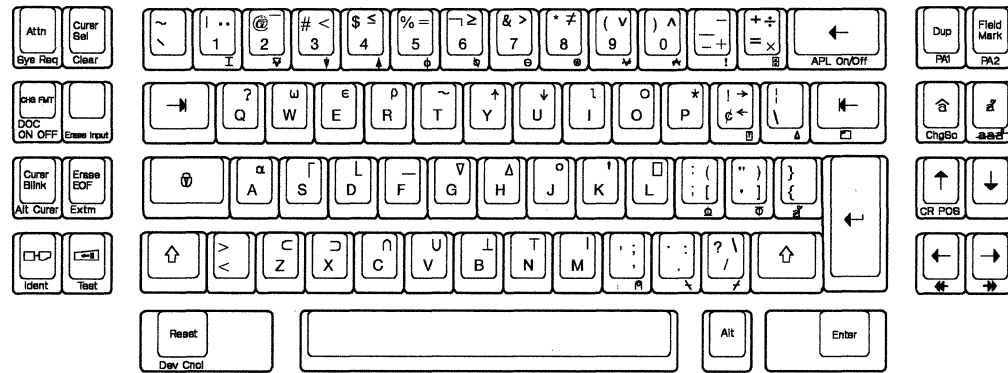


English (U.S.)

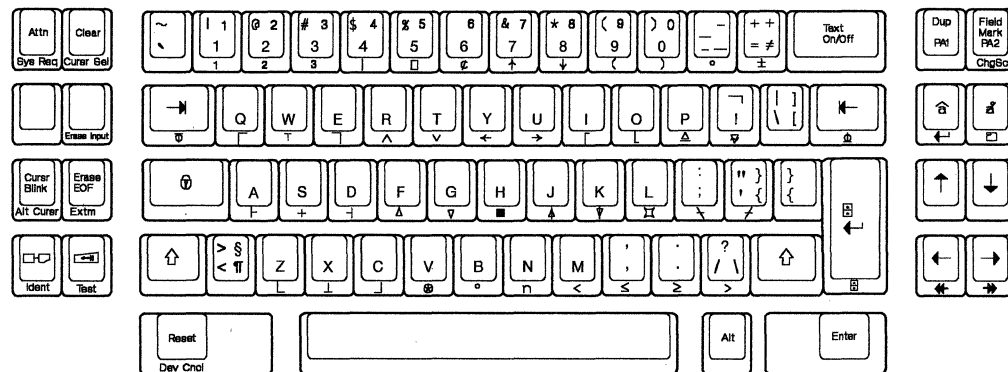
(Q121 = 01)

Typewriter**Data Entry****Data Entry Key Punch**

APL

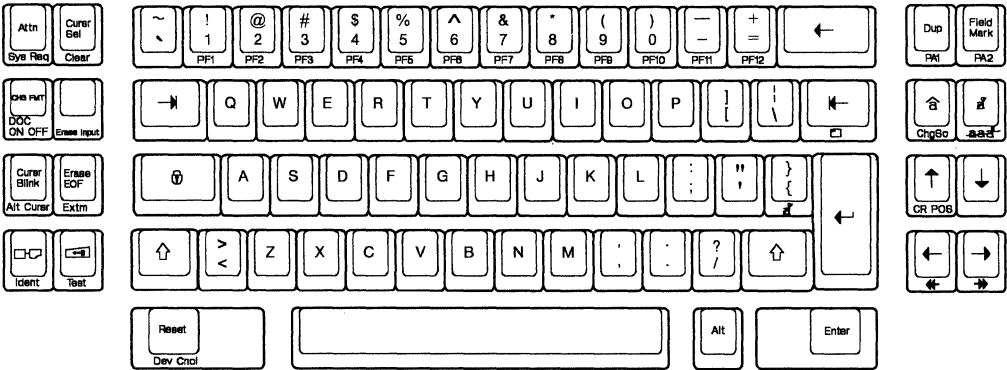


Text



English (U.S.) ASCII
(Q121 = 02, 33, 34)

Typewriter



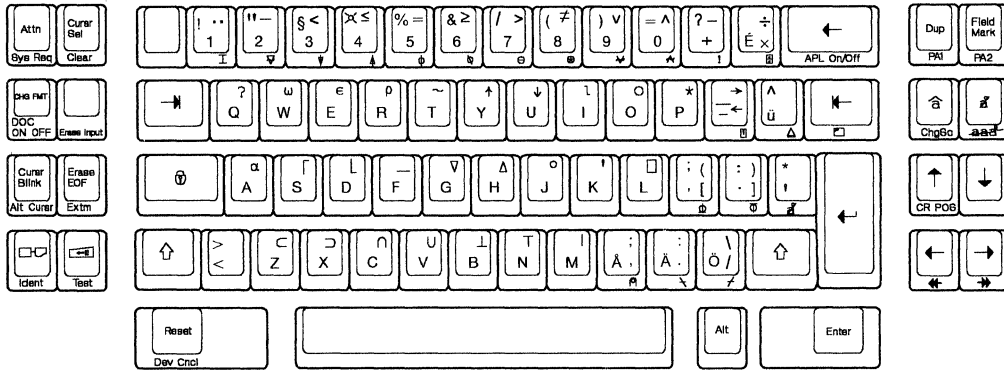
The diagram illustrates the keyboard layout for the HP-41C calculator. It is organized into several rows of keys, each with specific functions and labels:

- Top Row:** Includes function keys (Attn, Curr Sel, Sys Req, Clear), numeric keys (1-0, PF1-PF12), and navigation keys (Dup, Field Mark, FA1, FA2).
- Second Row:** Includes function keys (2nd Fmt, DDC, ON OFF, Erase Input), alphanumeric keys (Q, W, E, R, T, Y, U, I, O, P, -, A, U), and navigation keys (ChgBo, aad).
- Third Row:** Includes function keys (Curr Blink, Erase EOF, Alt Currer, Extm), alphanumeric keys (A, S, D, F, G, H, J, K, L, ;, :, '), and navigation keys (CR POB, up, down arrows).
- Fourth Row:** Includes function keys (Ident, Test), alphanumeric keys (up, right, left, down arrows, Z, X, C, V, B, N, M, A, A, O, up arrow), and navigation keys (left, right arrows, left, right arrows with shift).
- Bottom Row:** Includes function keys (Reset, Dev Cncl), a large empty space, and navigation keys (Alt, Enter).

The diagram illustrates the keyboard layout for the HP-41C calculator. The keys are arranged in a standard QWERTY-like format with additional calculator-specific functions. The layout is as follows:

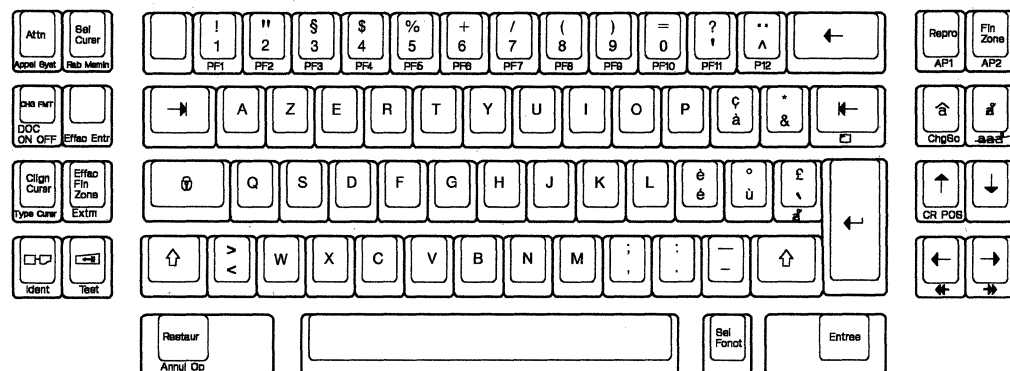
- Top Row:** Attn (Sys Req), Curr Sel (Clear), PA3, PF1, E (Exp), % (Percent), $\frac{\square}{\square}$ (Divide), < (Less Than), Field Mark, Dup, 0 /, PF2, PF3, PF4, Left Arrow.
- Second Row:** Right Arrow, + (Plus), - (Minus),) (Close Parenthesis), S (Square Root), T (Tan), I (Inv), 1 U (1/x), 2 I (2nd), 3 O (3rd), & (And), . (Decimal Point), PF5, Right Arrow (with a small square icon).
- Third Row:** Curr Blink (Alt Curr), Erase EOF (Extm), U (Unit), A (Alpha), > S (Greater Than), : D (Colon), ; F (Semicolon), ^ G (Power), ' H (Quote), 4 J (4th), 5 K (5th), 6 L (6th), Skip (Skip), , (Comma), PF6, Right Arrow (with a small square icon).
- Fourth Row:** Ident (Ident), Test (Test), Up Arrow, PF7, Z (Z), ? X (Question Mark), " C (Quote), = V (Equals), (N (Parenthesis), 7 M (7th), 8 A (8th), 9 A (9th), O (O), Down Arrow, Right Arrow (with a small square icon).
- Bottom Row:** Reset (Dev Chnl), a long empty rectangular key, Alt, and Enter.

APL

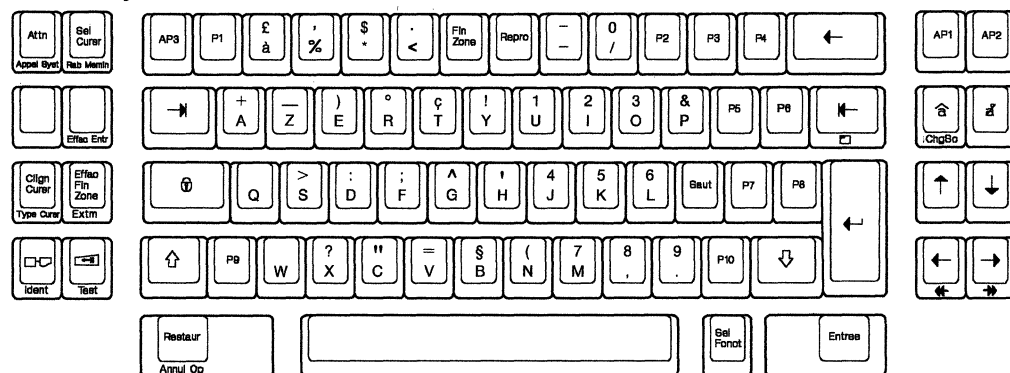


French (Q121 = 30)

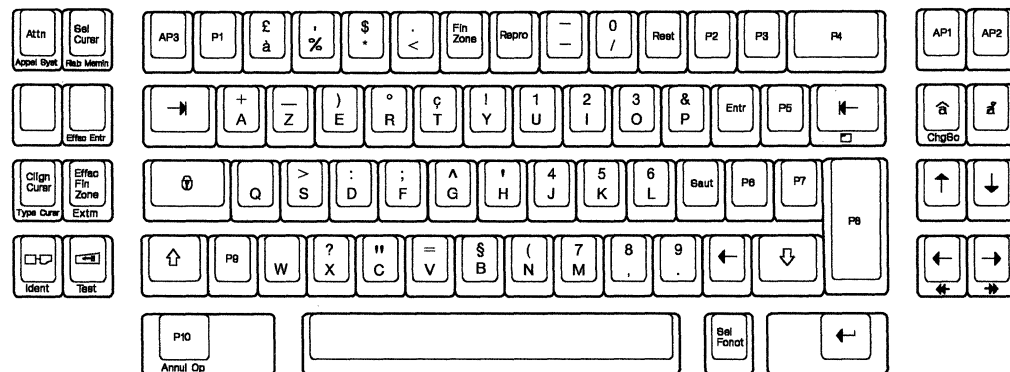
Typewriter



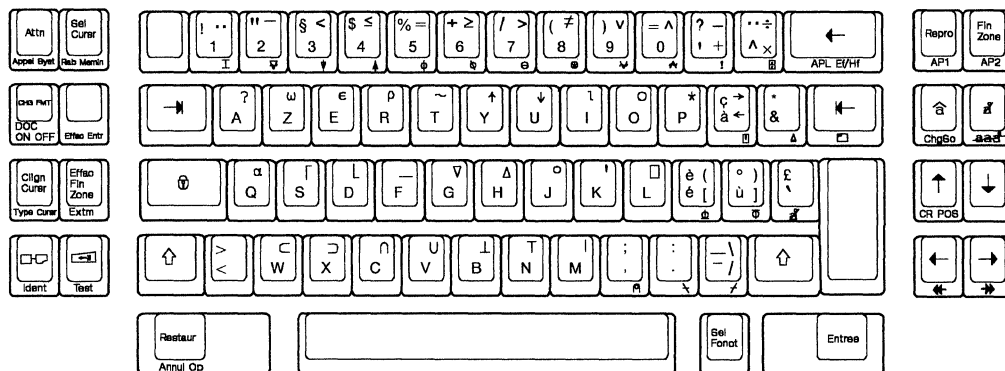
Data Entry



Data Entry Keypunch



APL

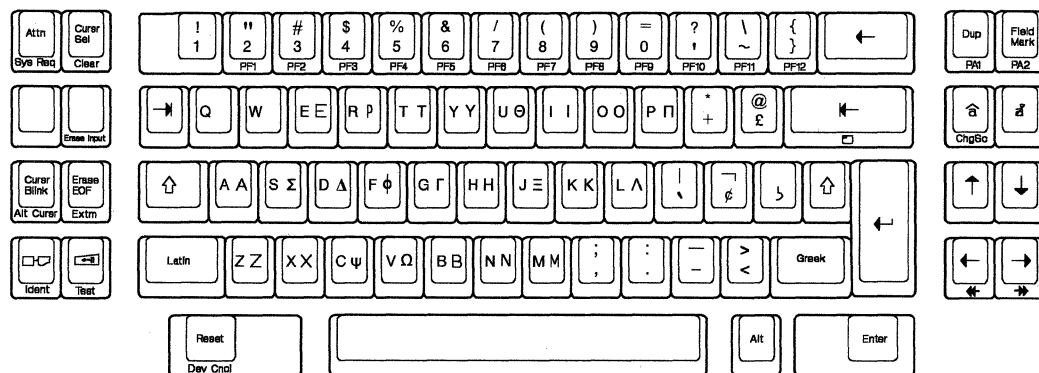


Greek

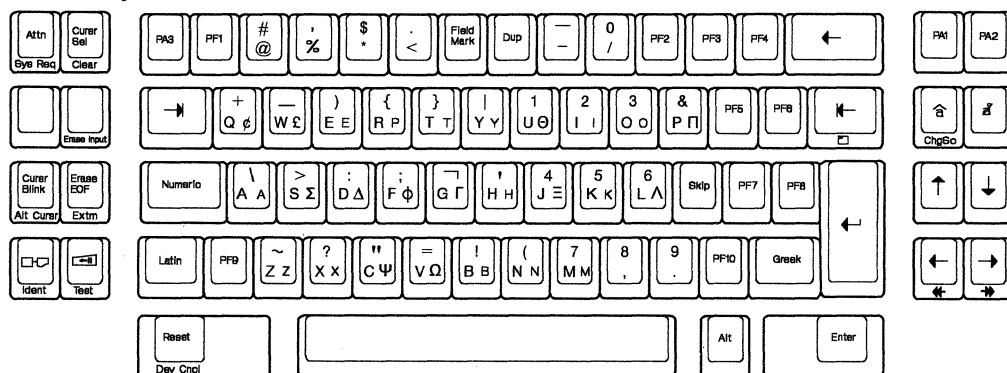
Greek

(Q121 = 36)

Typewriter



Data Entry



Icelandic
(Q121 = 37)

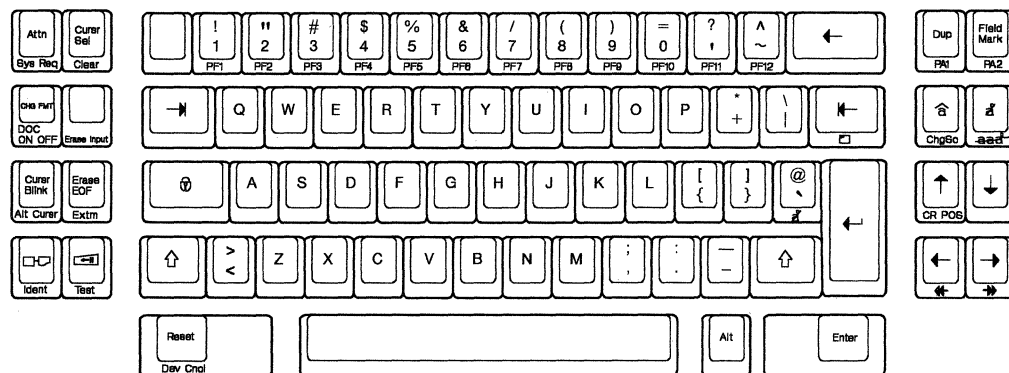
Typewriter



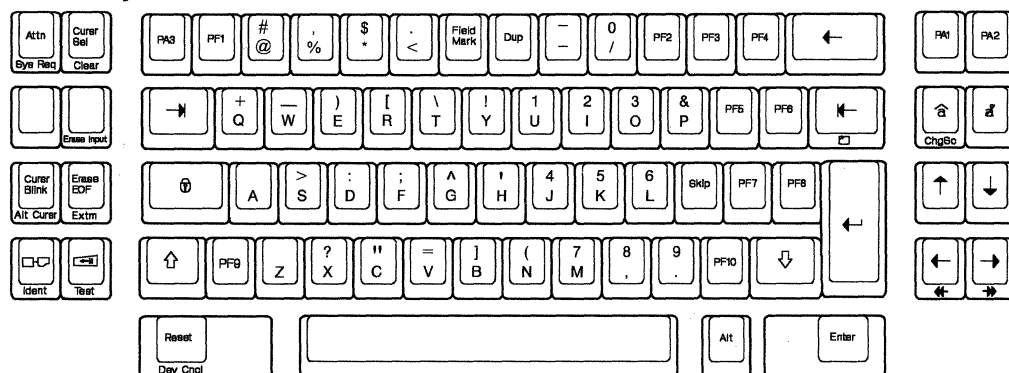
International

(Q121 = 14)

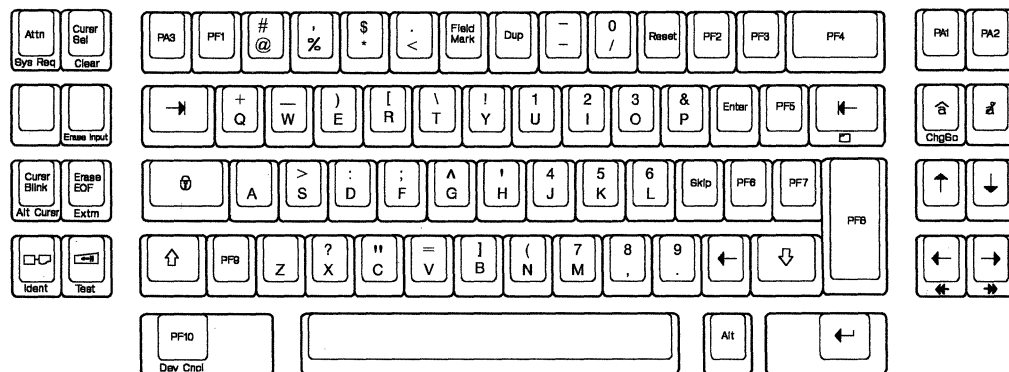
Typewriter



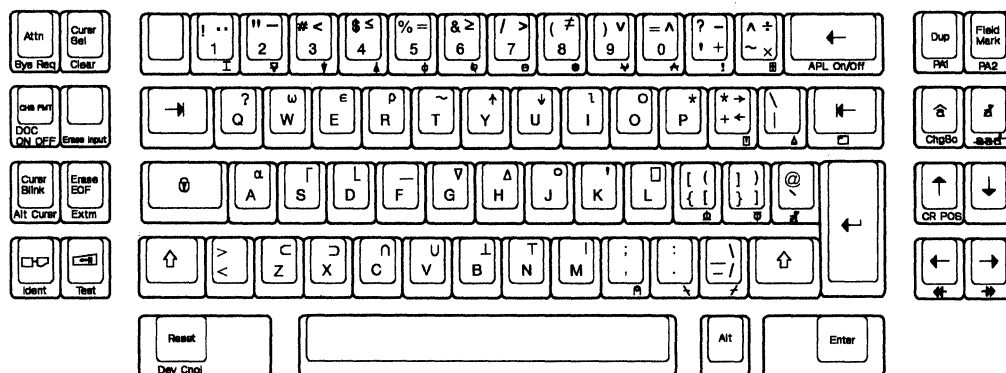
Data Entry



Data Entry Keypunch



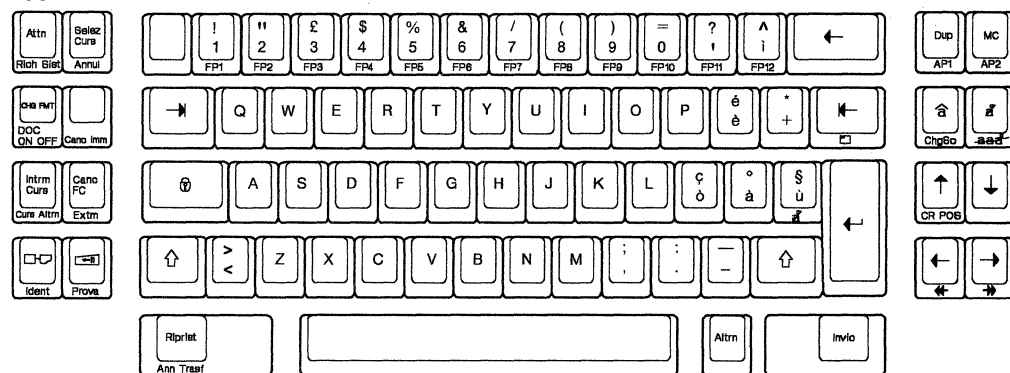
APL



Italian

(Q121 = 15)

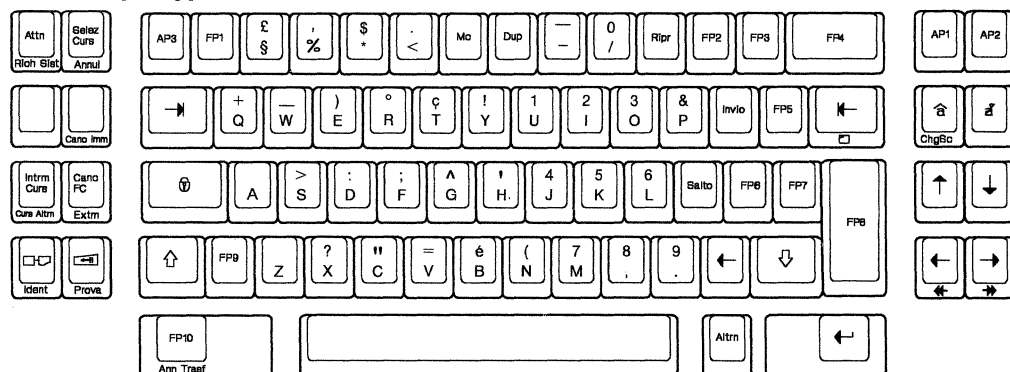
Typewriter



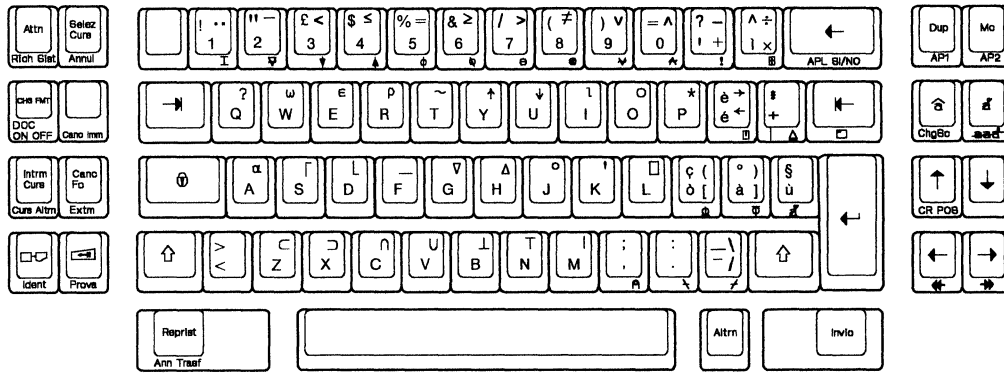
Data Entry



Data Entry Keypunch



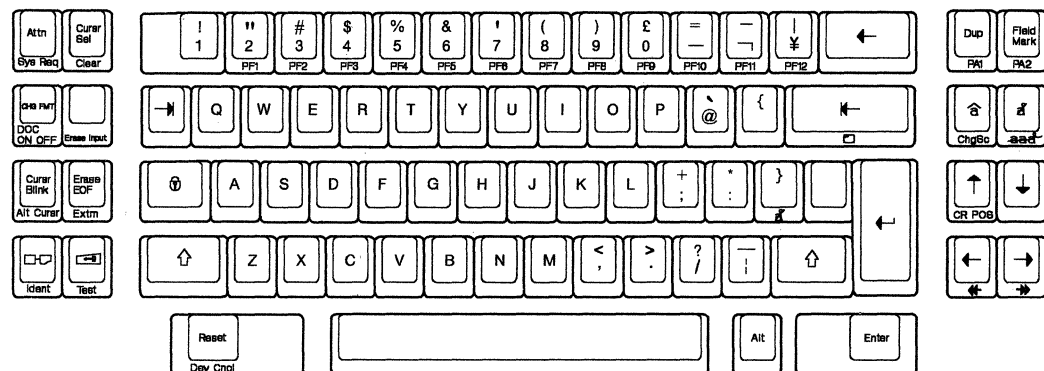
APL



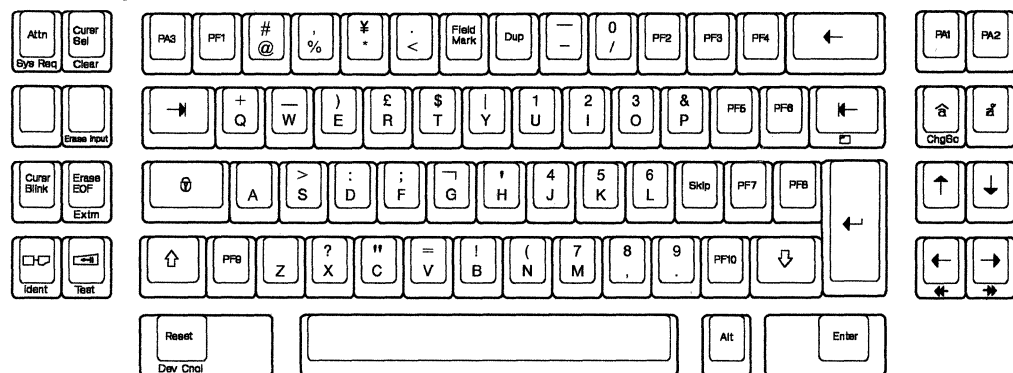
Japanese-English

(Q121 = 16)

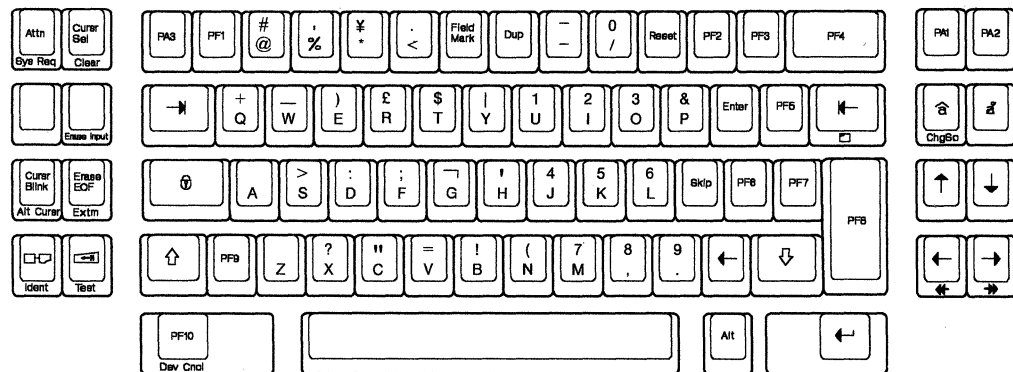
Typewriter



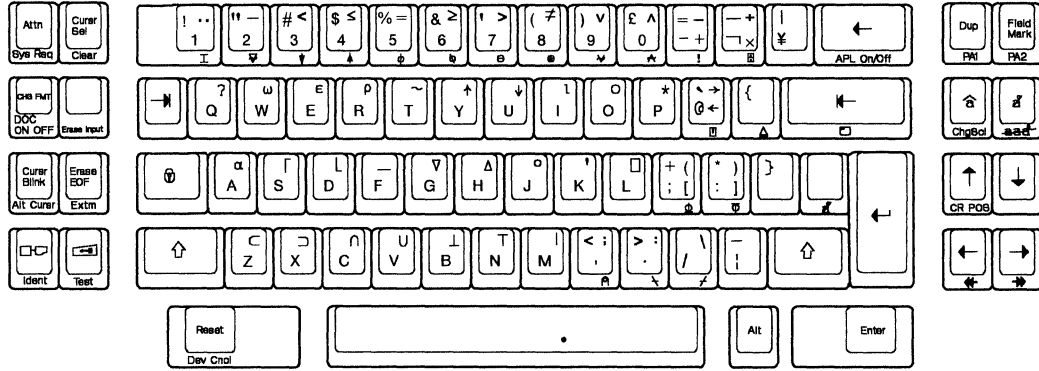
Data Entry



Data Entry Keypunch



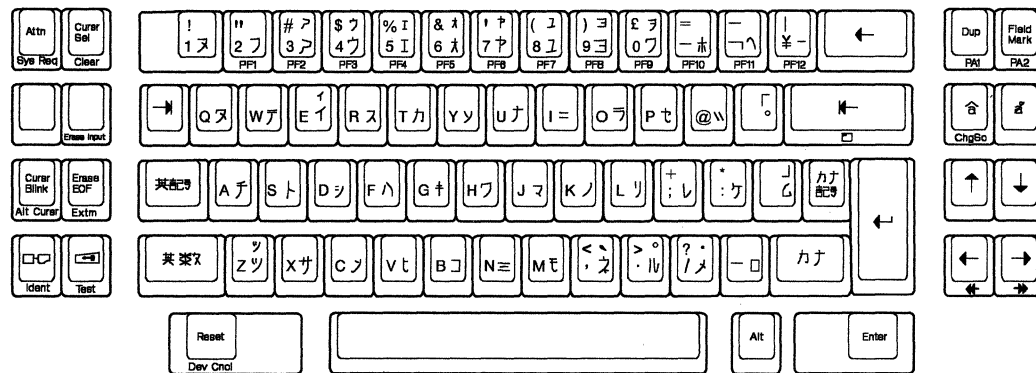
APL



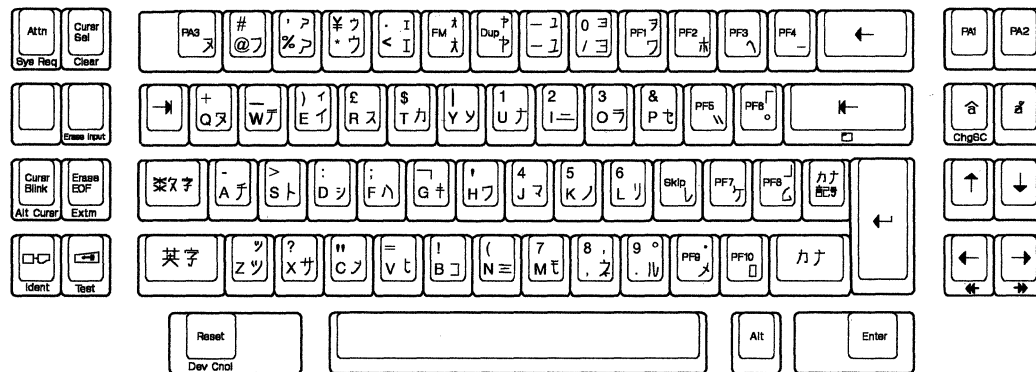
Japanese-Katakana

(Q121 = 17)

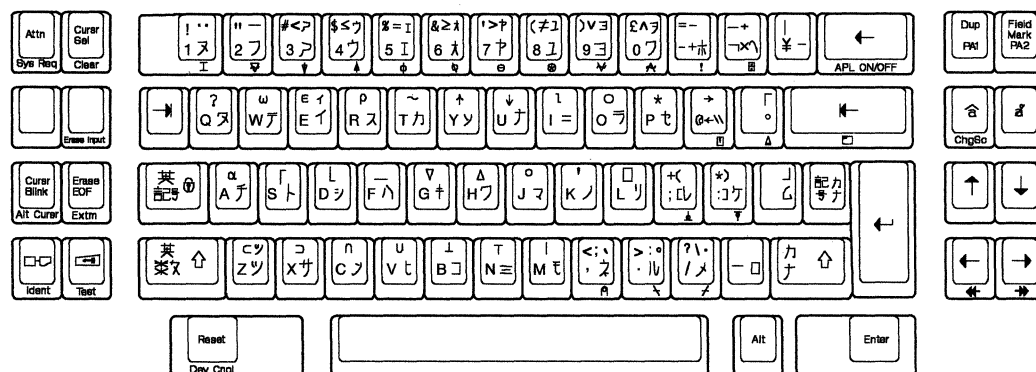
Typewriter



Data Entry



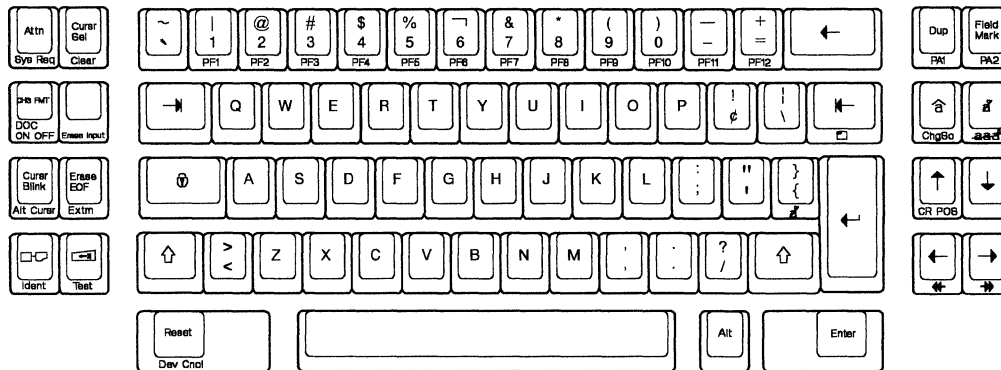
APL



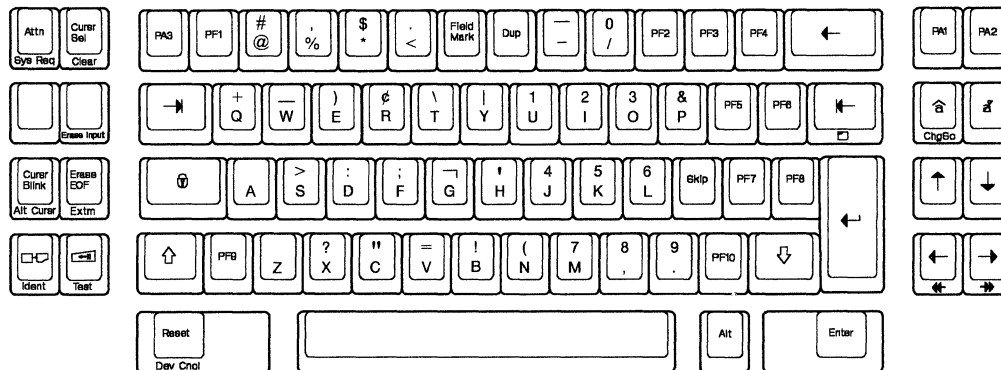
Netherlands

(Q121 = 47)

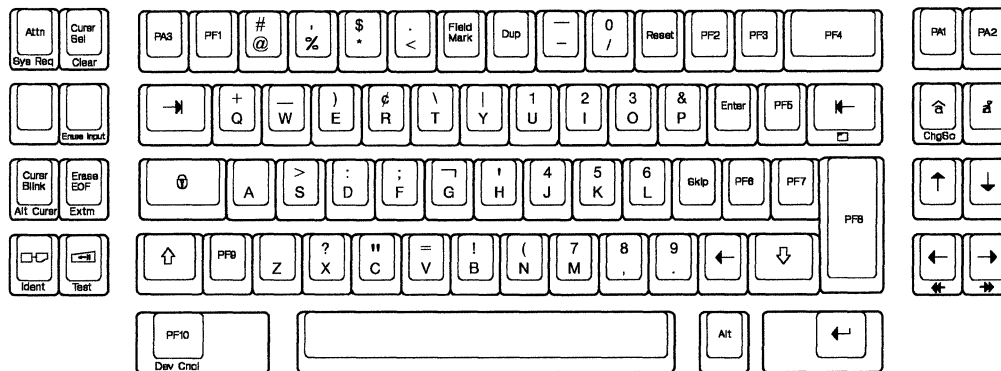
Typewriter



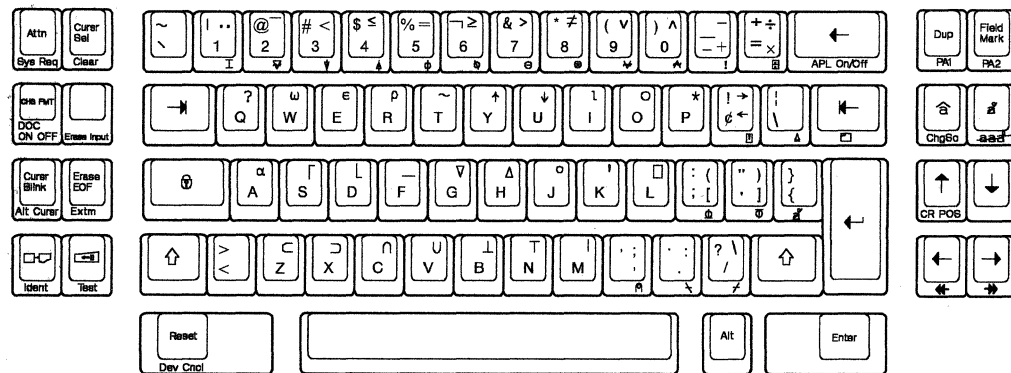
Data Entry



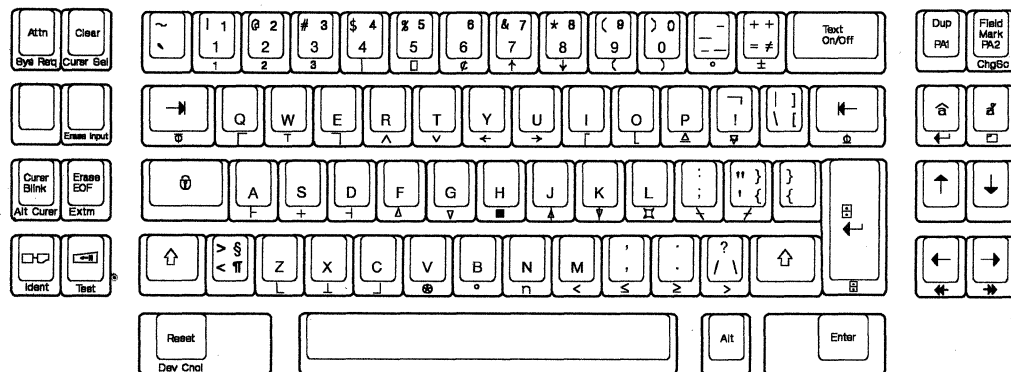
Data Entry Keypunch



APL



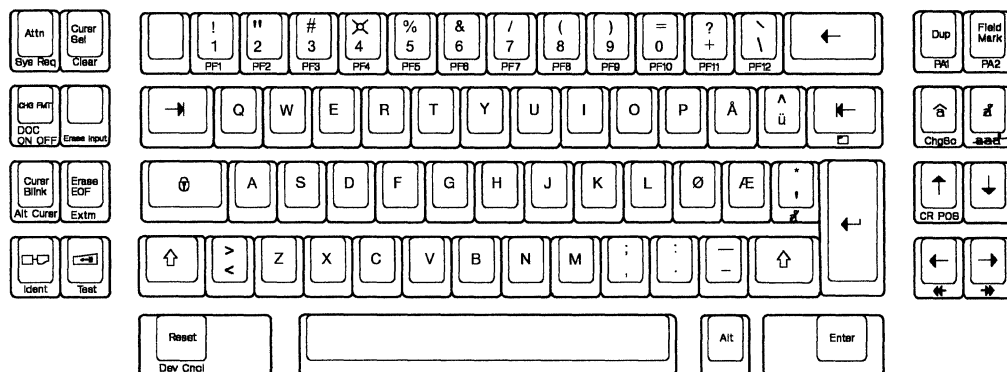
Text



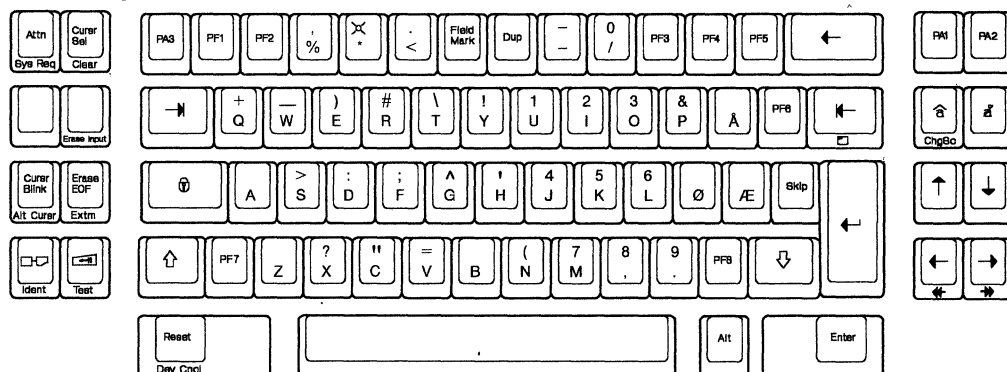
Norwegian

(Q121 = 23)

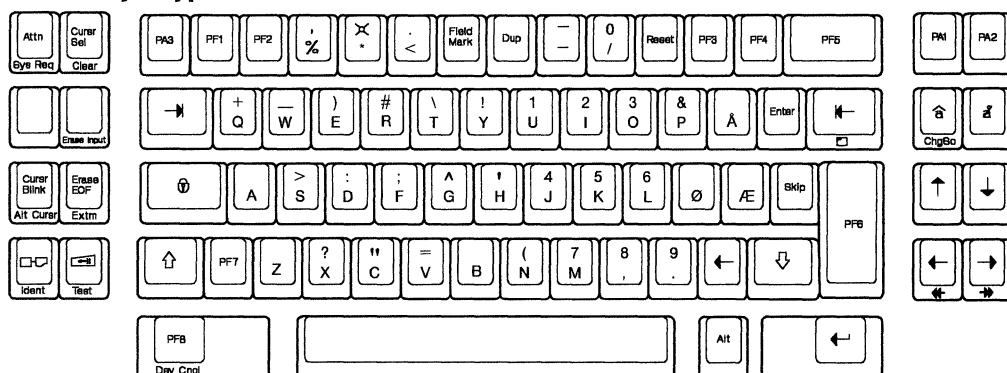
Typewriter



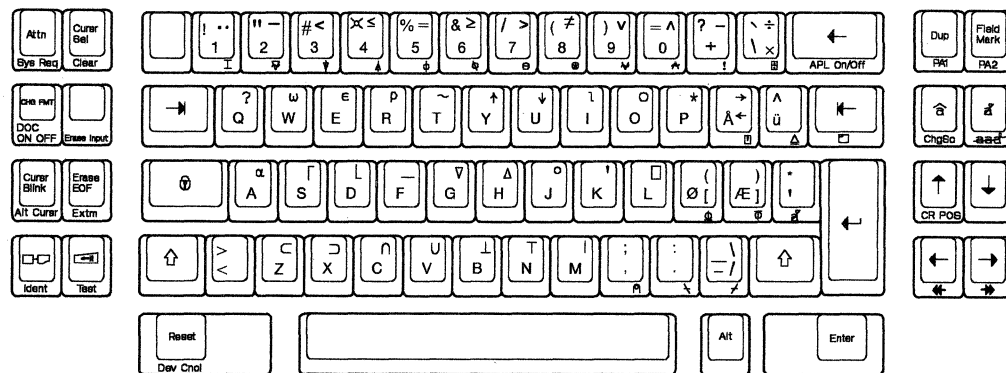
Data Entry



Data Entry Keypunch

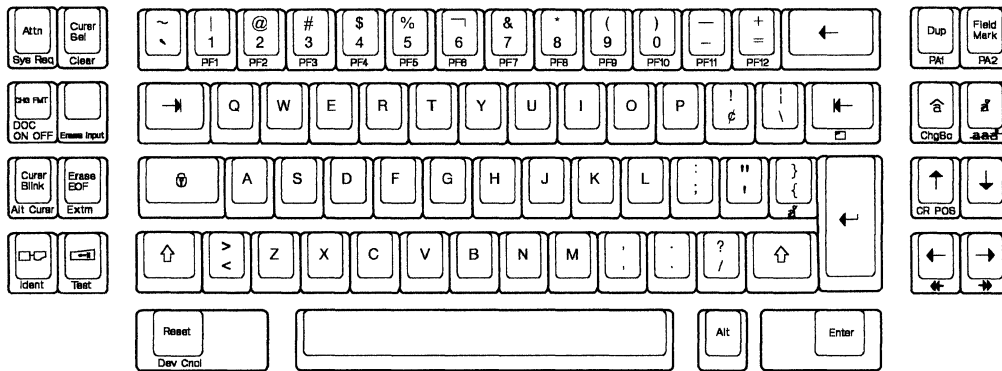
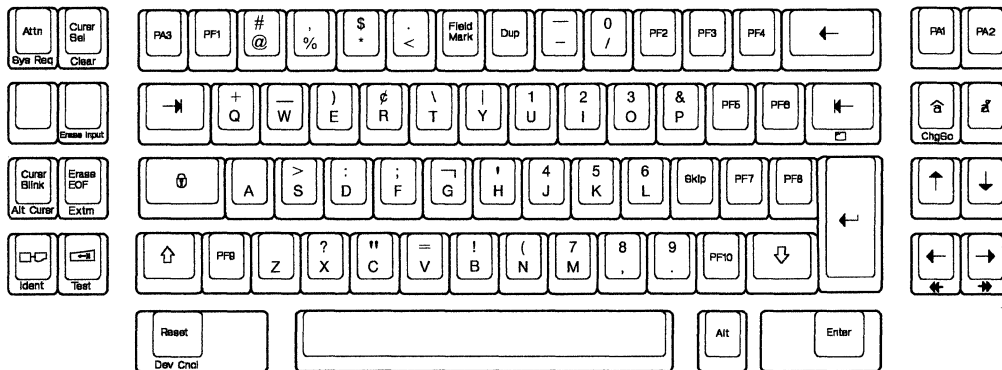
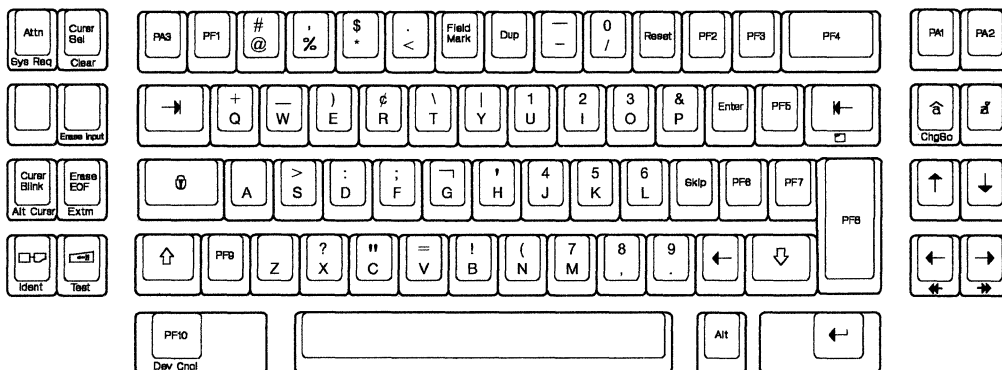


APL

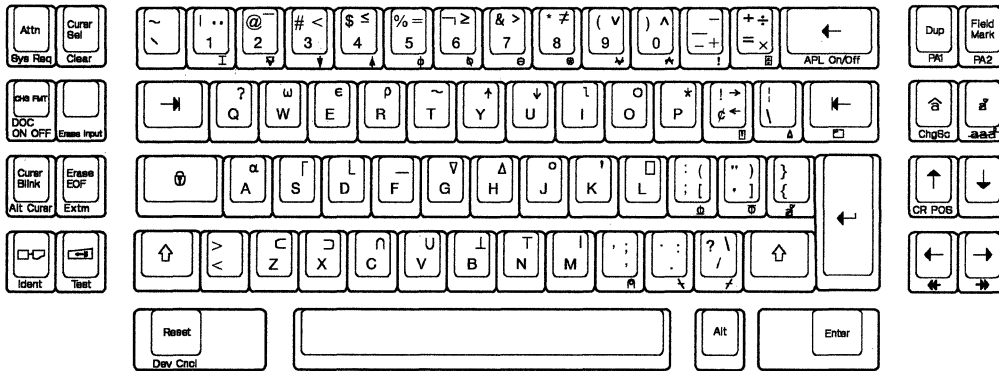


Portuguese

(Q121 = 28)

Typewriter**Data Entry****Data Entry Keypunch**

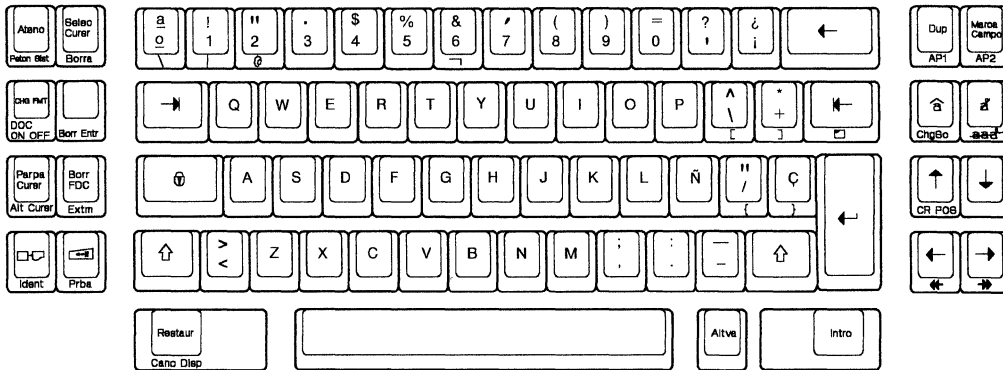
APL



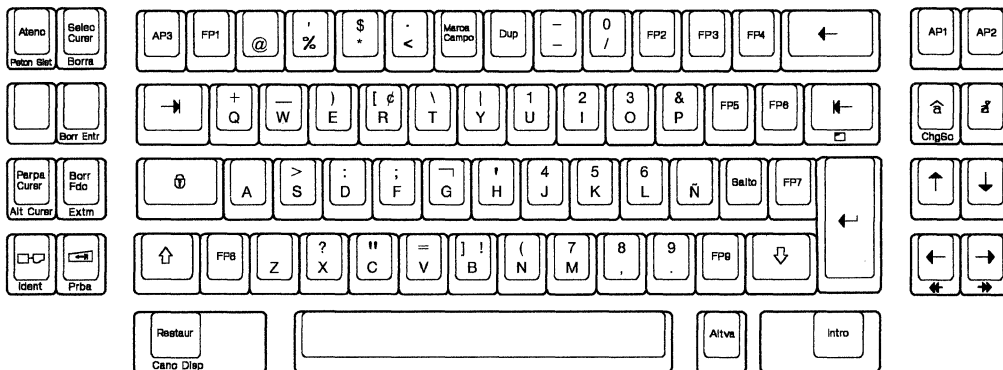
Spanish

(Q121 = 19)

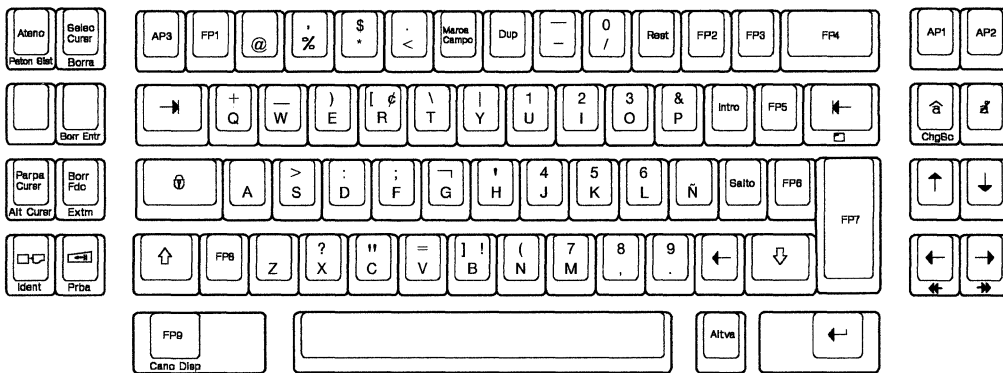
Typewriter



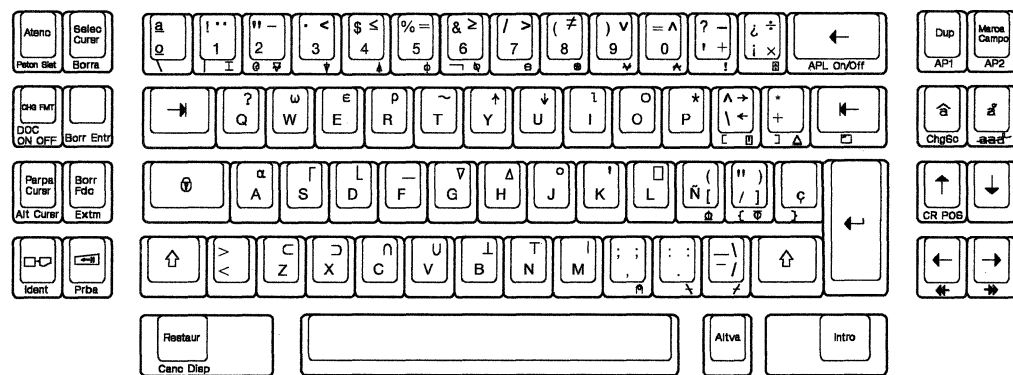
Data Entry



Data Entry Keypunch



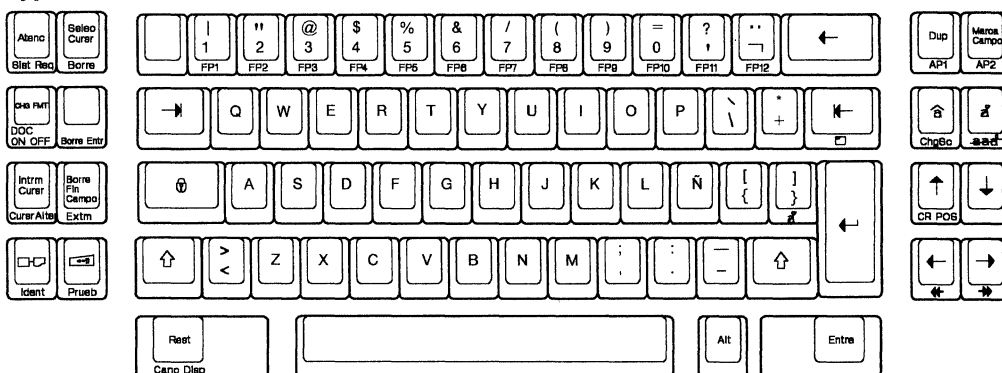
APL



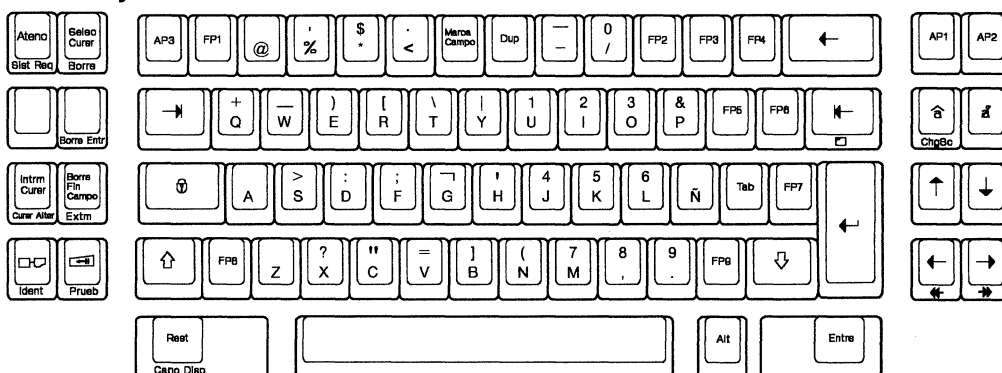
Spanish-Speaking

(Q121 = 21)

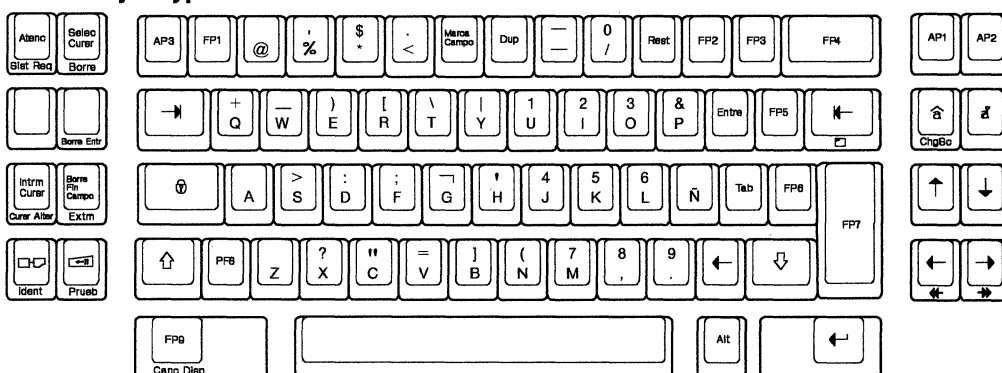
Typewriter



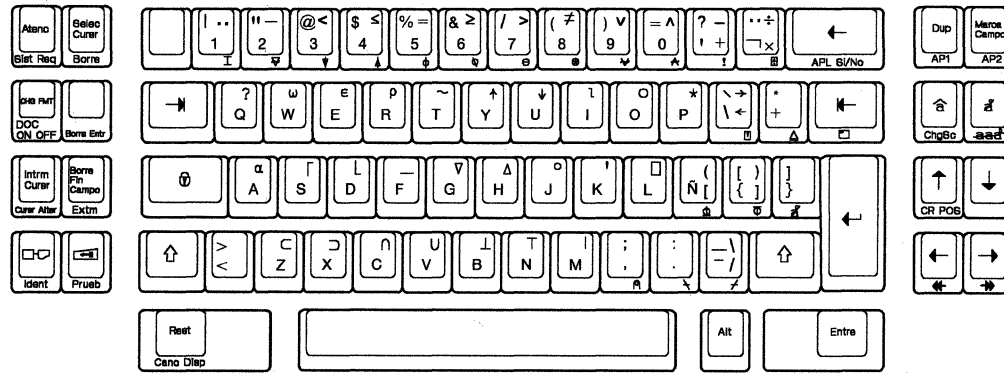
Data Entry



Data Entry Keypunch

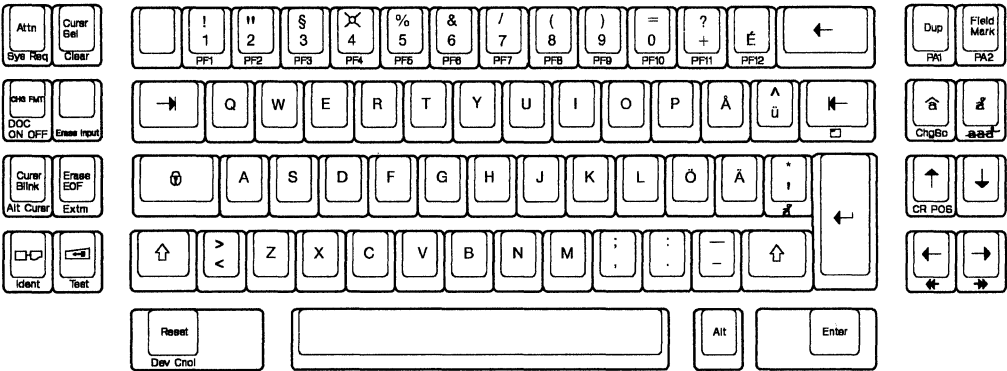


APL

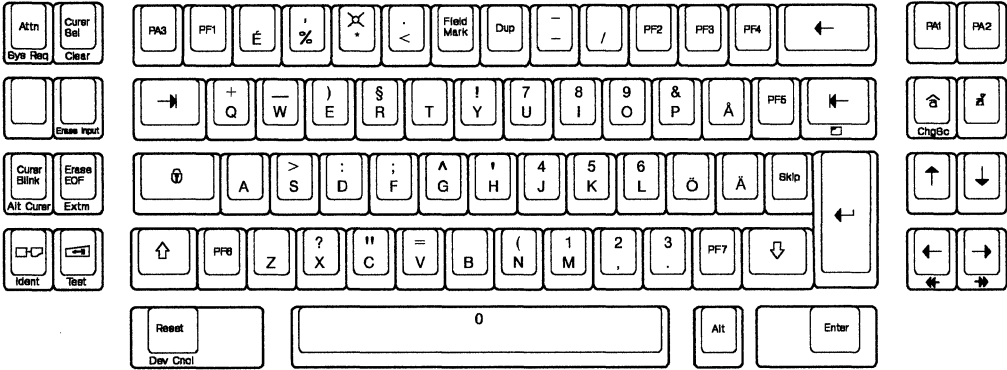


Swedish
(Q121 = 24)

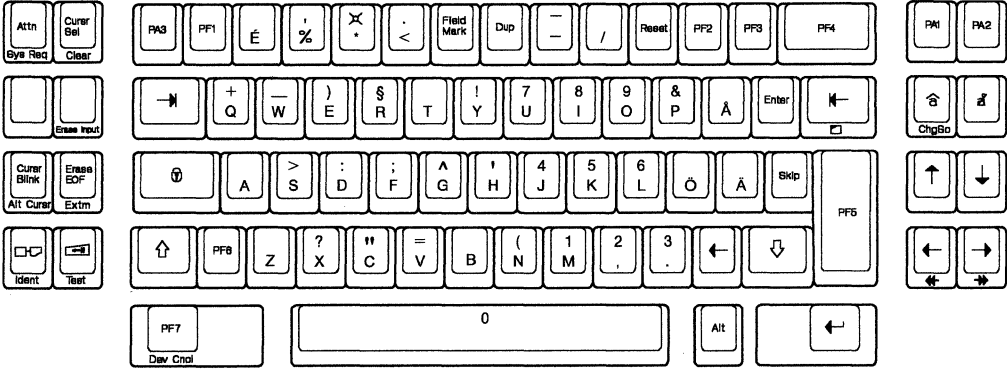
Typewriter



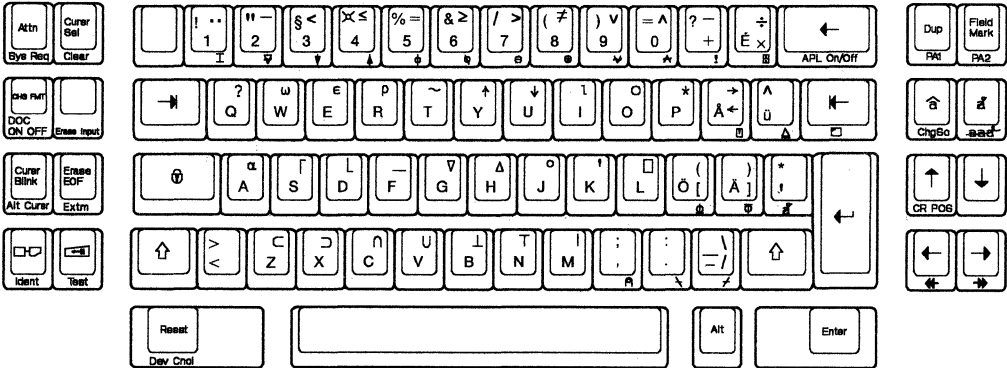
Data Entry



Data Entry Keypunch

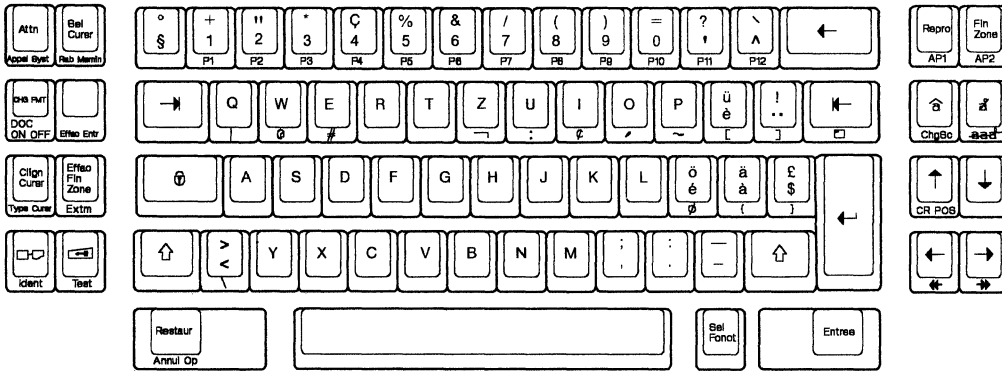
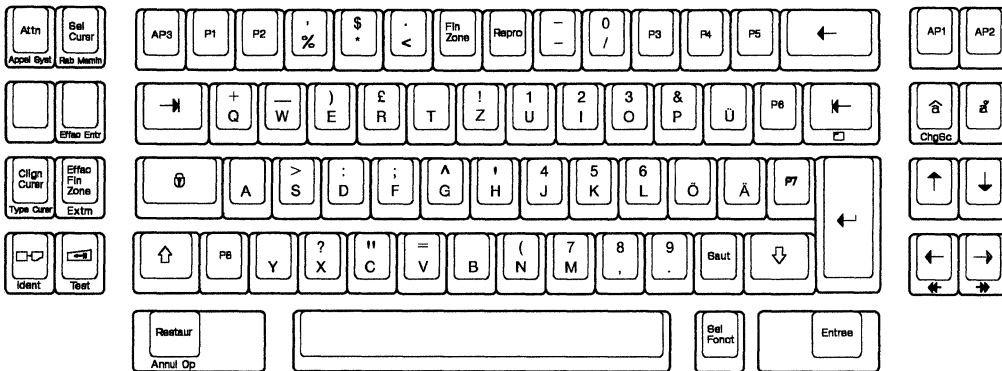


APL



Swiss-French (New)

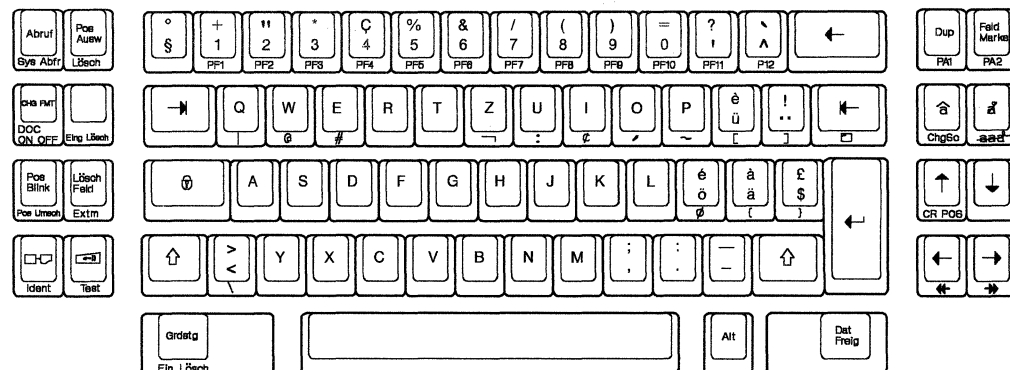
(Q121 = 41)

Typewriter**Data Entry**

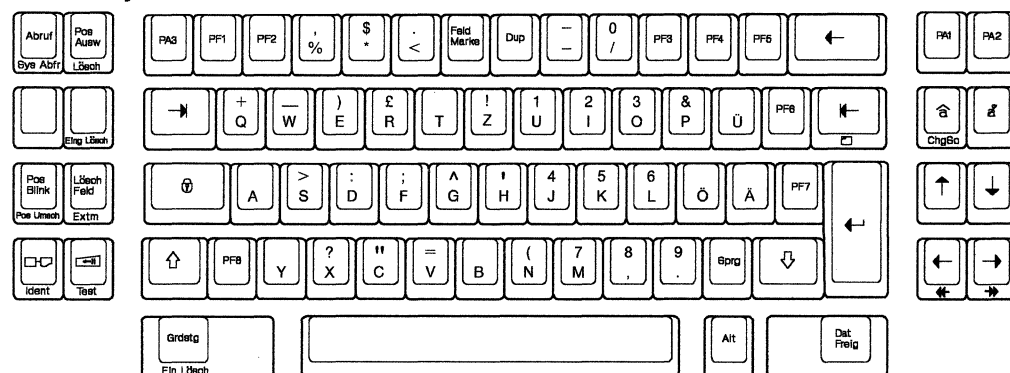
Swiss-German (New)

(Q121 = 42)

Typewriter



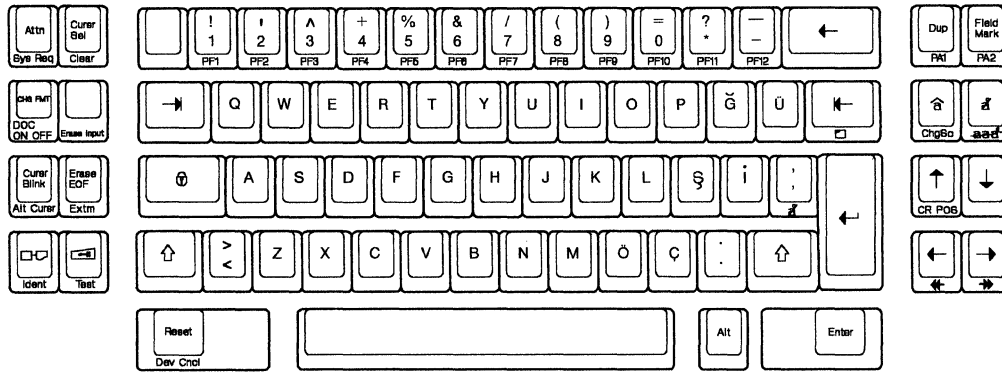
Data Entry

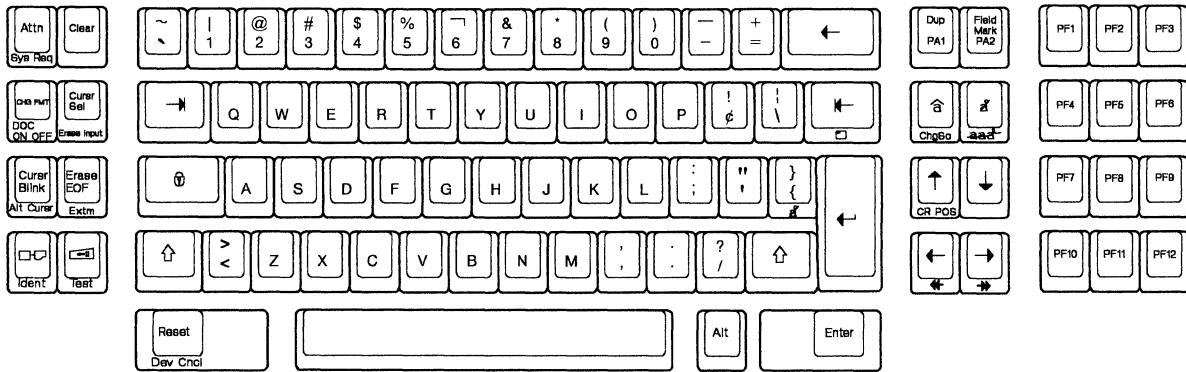
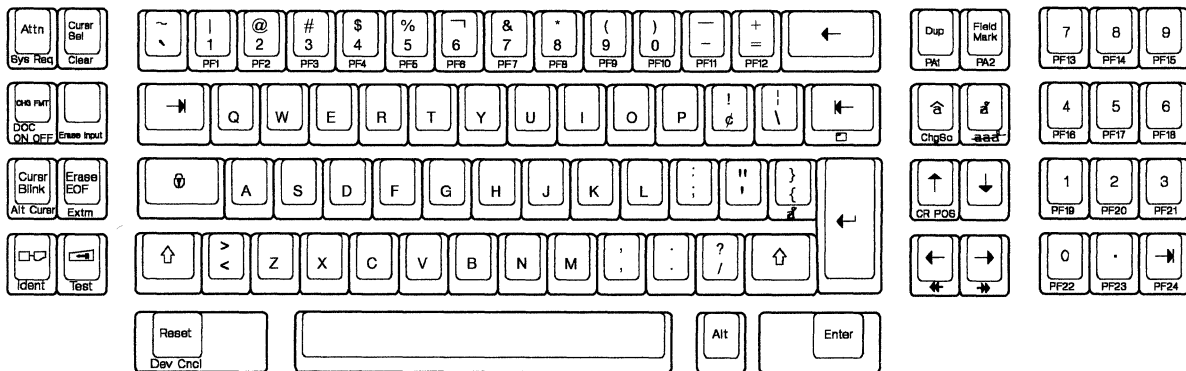


Turkish

(Q121 = 39)

Typewriter



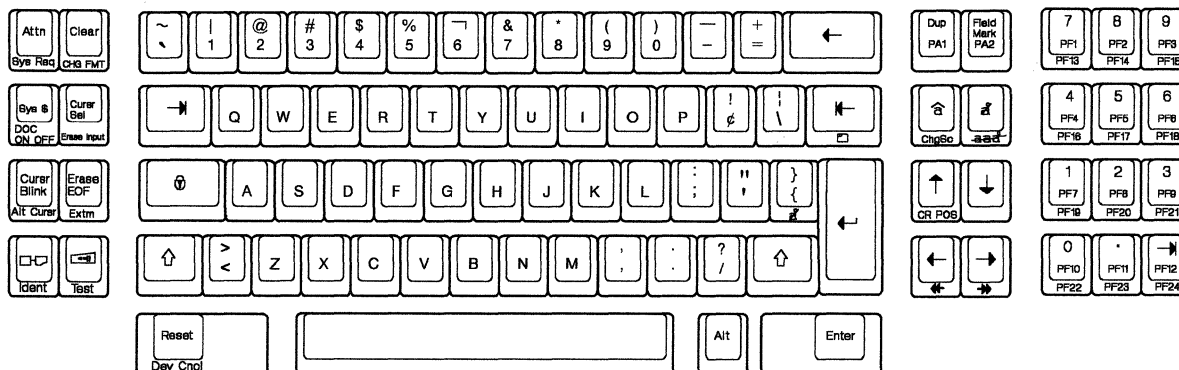
Model 808 Typewriter**(Q132 = 1 x x x)****Model 932 Typewriter****(Q132 = x 1 x x)**

Alternative Keyboards (Canadian Bilingual)

(Q121 = 29)

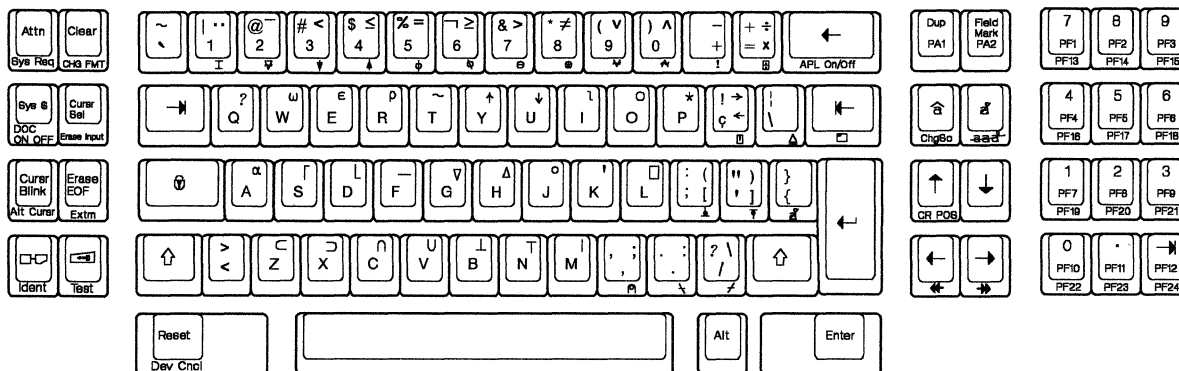
Model 1038 Typewriter

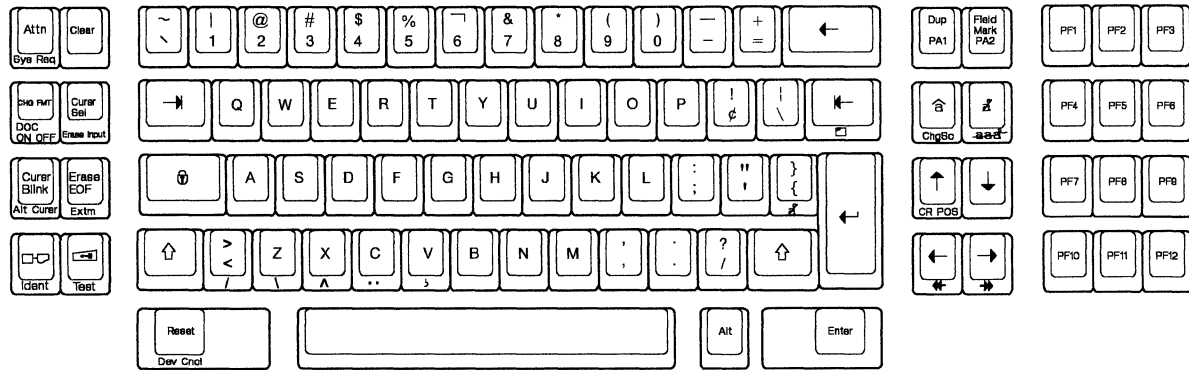
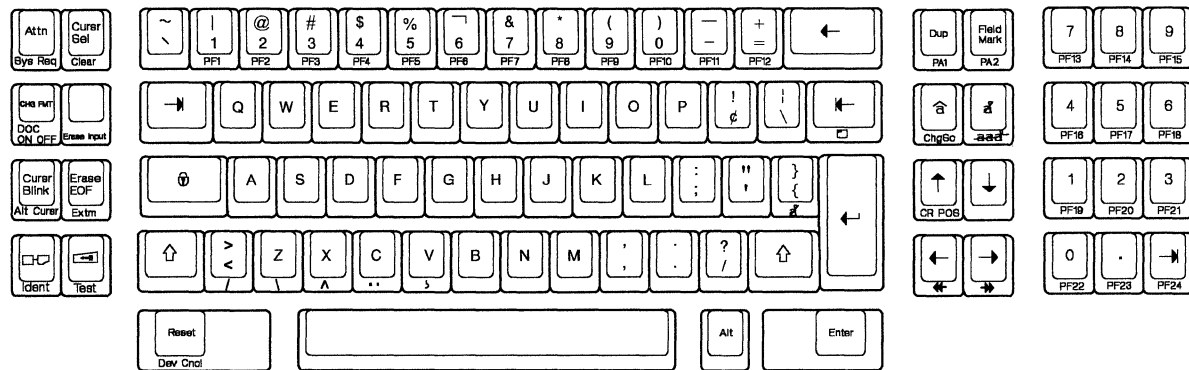
(Q132 = x x n x n = 1 or 2)



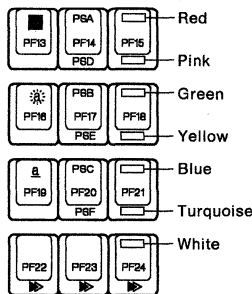
Model 1158 APL

(Q132 = x x x n n = 1 or 2)



Model 808 Typewriter**(Q132 = 1 x x x)****Model 932 Typewriter****(Q132 = x 1 x x)**

Attribute Select Keypads
(Q166 = B or C)



Chapter 3. Converged Keyboards

This chapter provides descriptions and national language layouts for the Converged keyboards.

Keyboard Descriptions

The Converged keyboard is a 122-key modifiable keyboard. On displays without the 18-key numeric keypad the keyboard has 104 keys.

Note: Two keys are added for the Japanese Katakana versions making those 124 or 106-key keyboards respectively.

Most keys have removable caps that are interchangeable with other keys. For most IBM standard layouts, accessories are available to supply additional keycaps.

The Converged keyboard is available in the following versions. Terminals using these keyboards must operate in CUT mode and their keyboards in native mode.

- Typewriter
- Data entry
- APL.

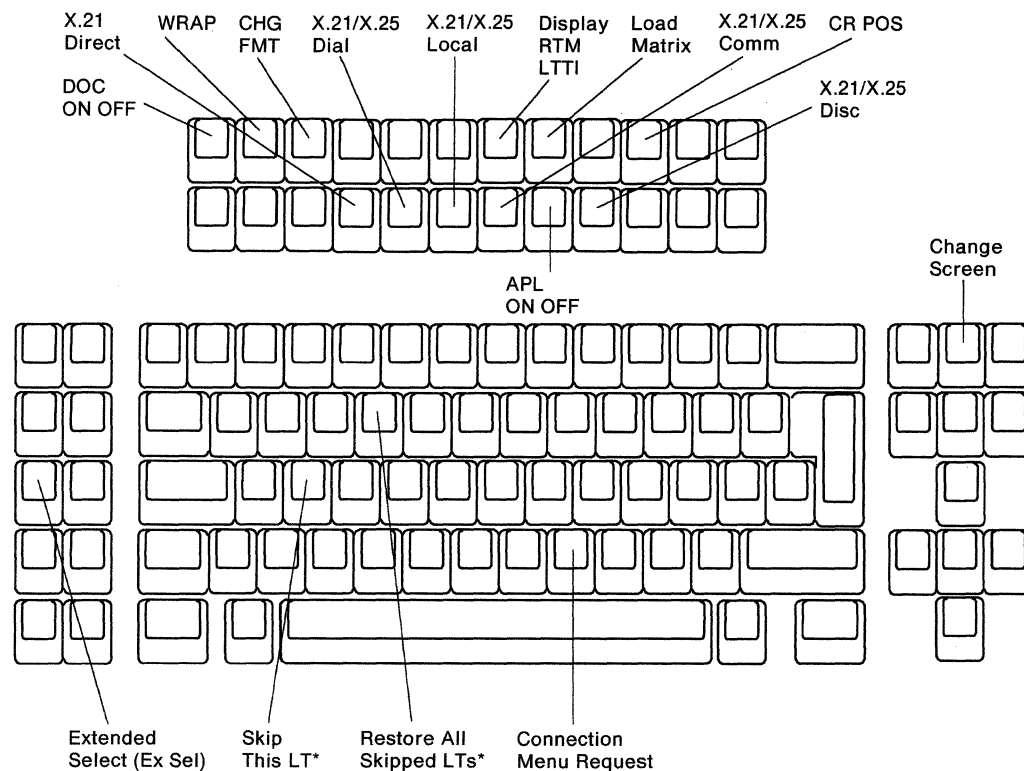
The Converged keyboards are used on the following terminals:

- IBM 3179 Color Display Station
- IBM 3180 Display Station
- IBM 3191 Display Station, Models A10 and B10
- IBM 3192 Display Station, Models C10, C30, D10, D30, F10, F30, G10, G30, G40, L10, L30, W10, and W30.

Extended Select Functions

The following layout shows the functions that are enabled after invoking Extension/Extended Select mode. Descriptions of the functions are found in the *3174 Functional Description*, GA23-0218.

A description of the Entry Assist functions are found in the *Entry Assist User's Guide*, GA23-0119.



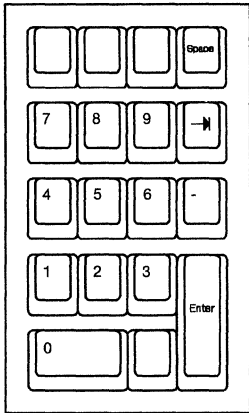
*Configuration Support B Only

Numeric Keypads

The following three configurations of the numeric keypads are available. Two configurations are optional—available (in native mode only) through modification of the standard National Language Numeric Keypad customization of the control unit.

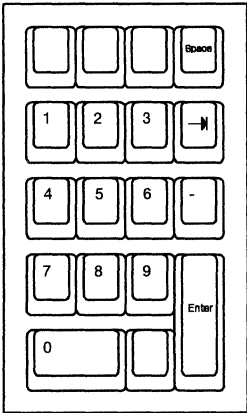
National Language Numeric (standard)

Q138 = 0



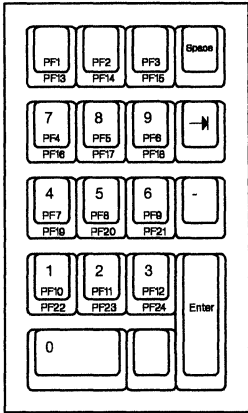
Data Entry (optional)

Q138 = 1



Program Function (optional)

Q138 = 2



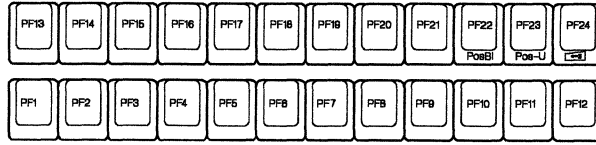
Keyboard Layouts

The remainder of this chapter shows the Converged keyboard layouts for the national languages supported by the 3174.

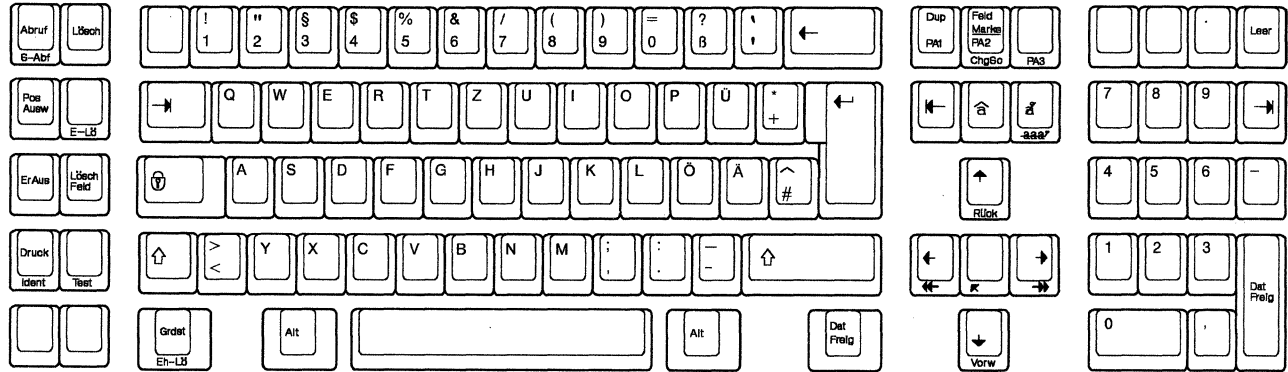
Austrian/German

(Q121 = 03)

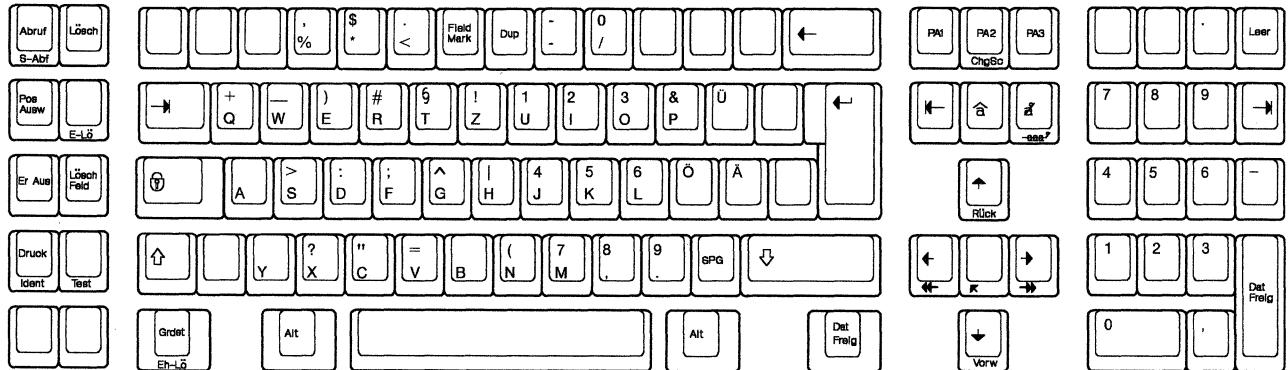
Typewriter



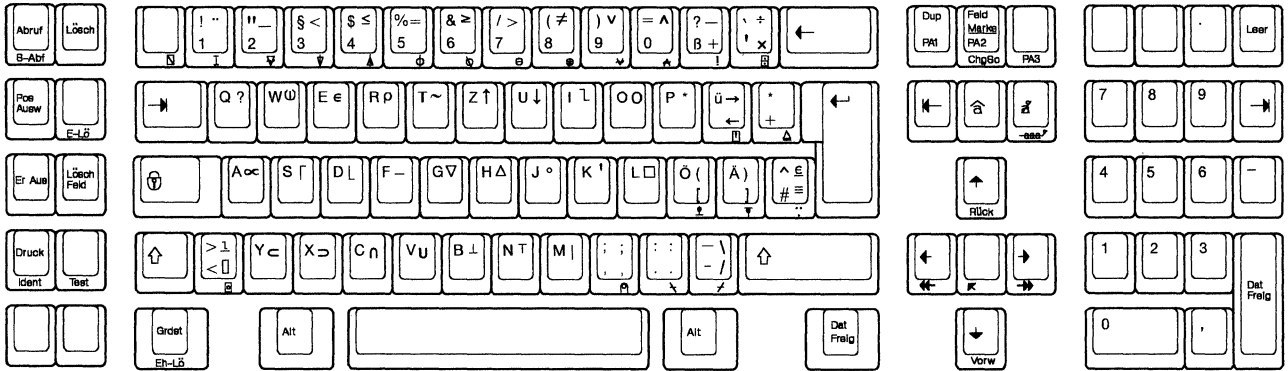
This group of keys is common to all keyboards.



Data Entry

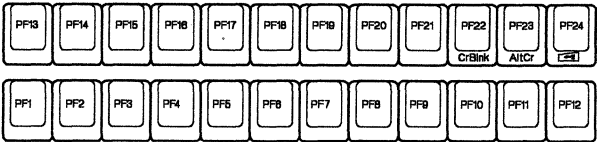


APL

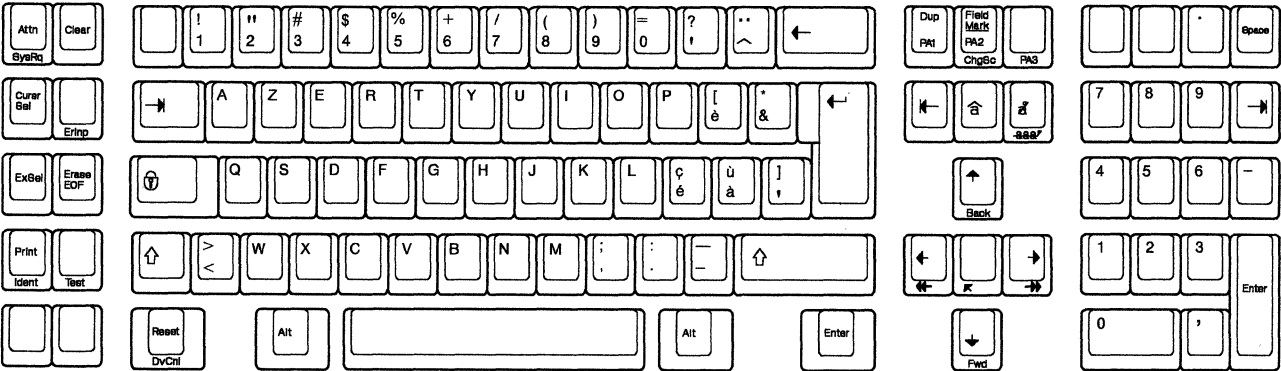


Belgian
(Q121 = 04)

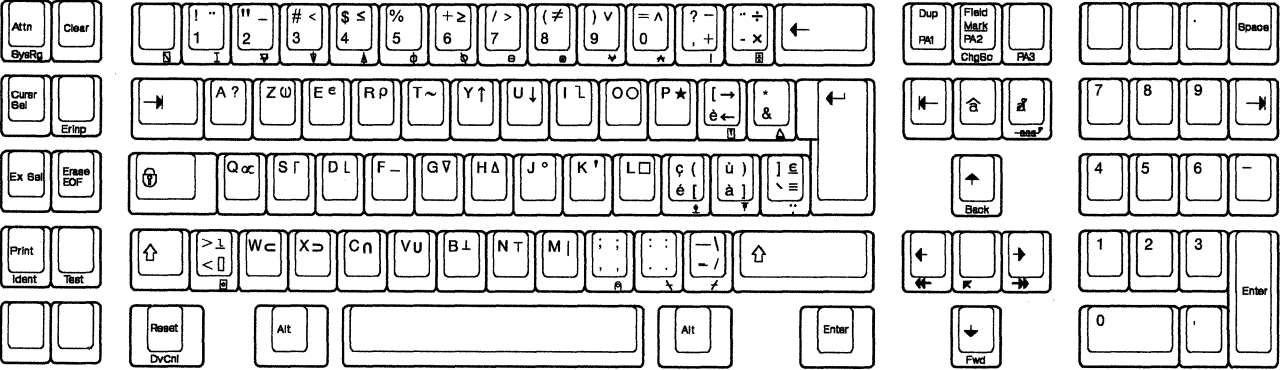
Typewriter



This group of keys is common to all keyboards.



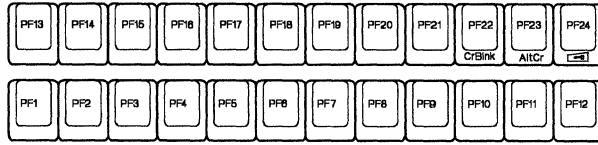
APL



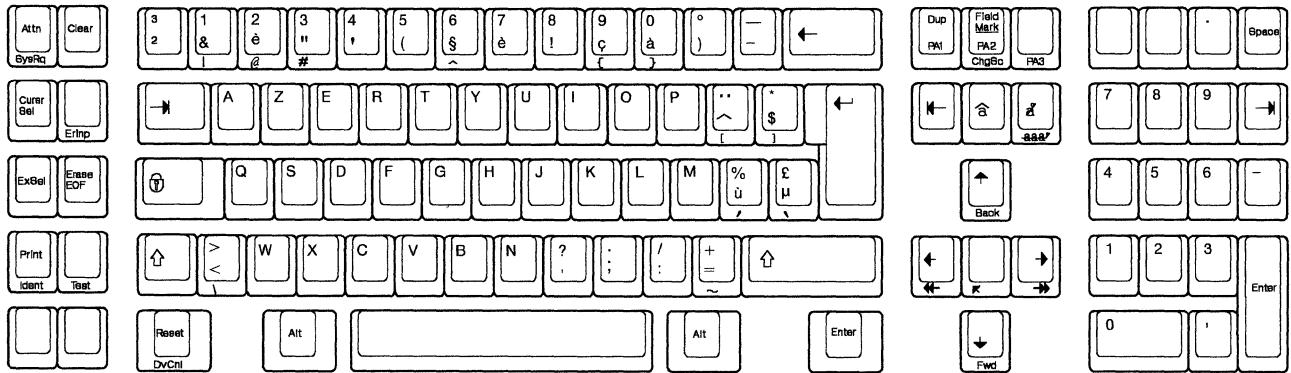
Belgian (New)

(Q121 = 43)

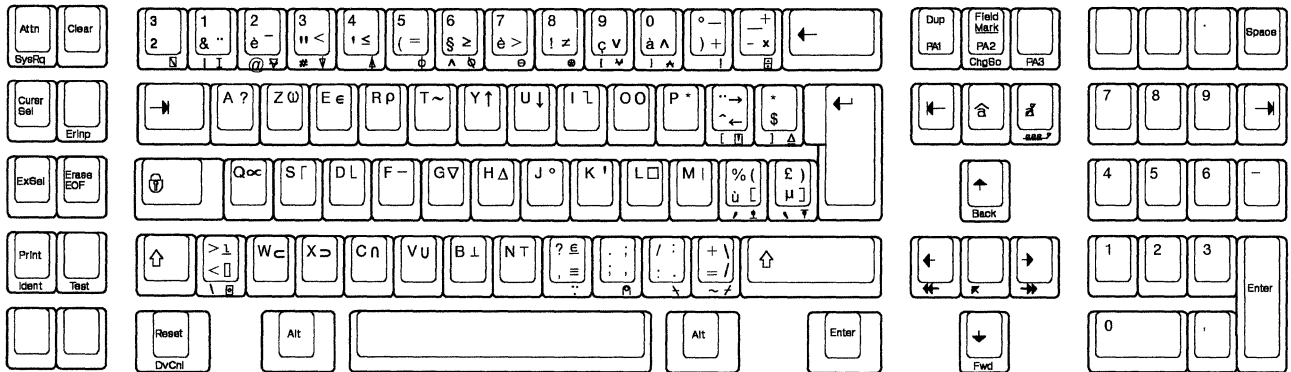
Typewriter



This group of keys is common to all keyboards.



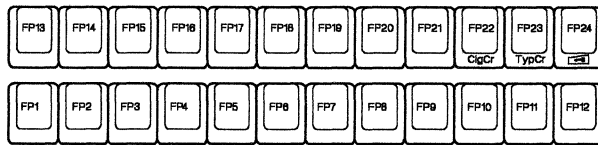
APL



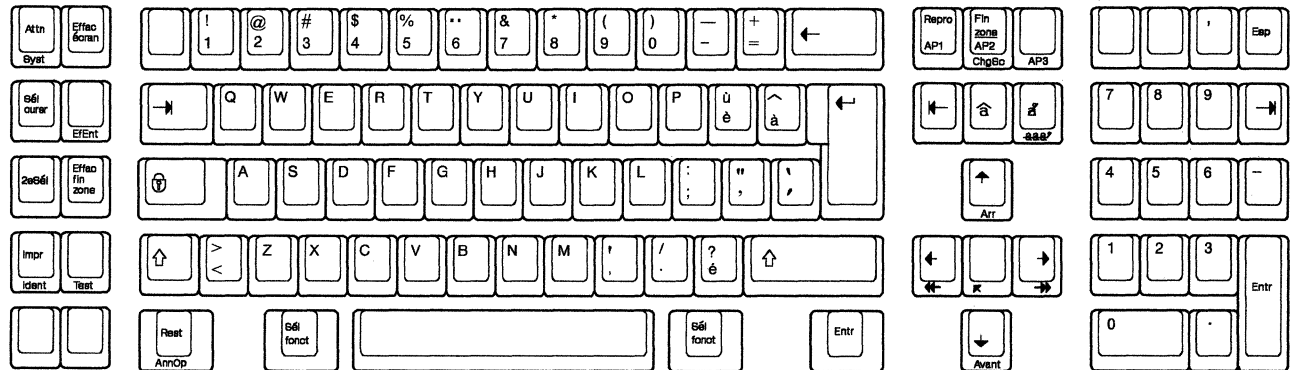
Canadian Bilingual

(Q121 = 29)

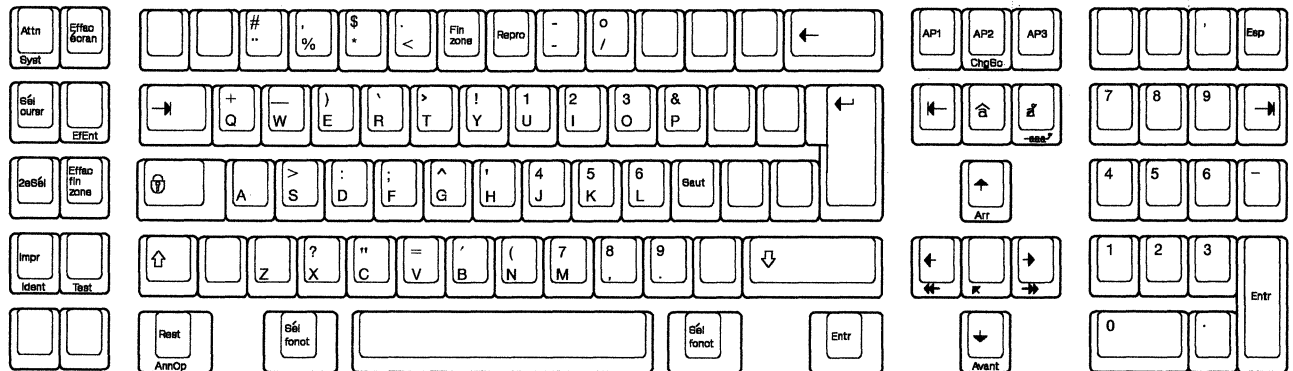
Typewriter



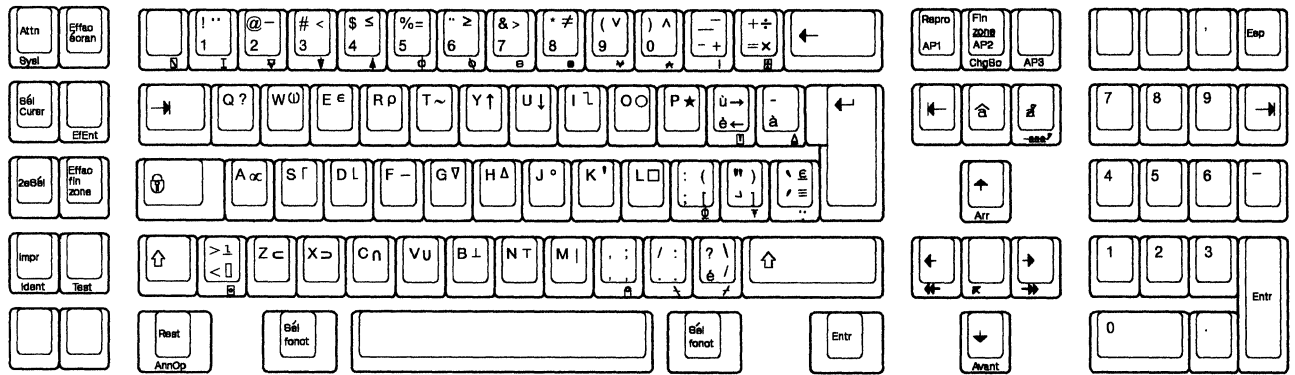
This group of keys is common to all keyboards.



Data Entry

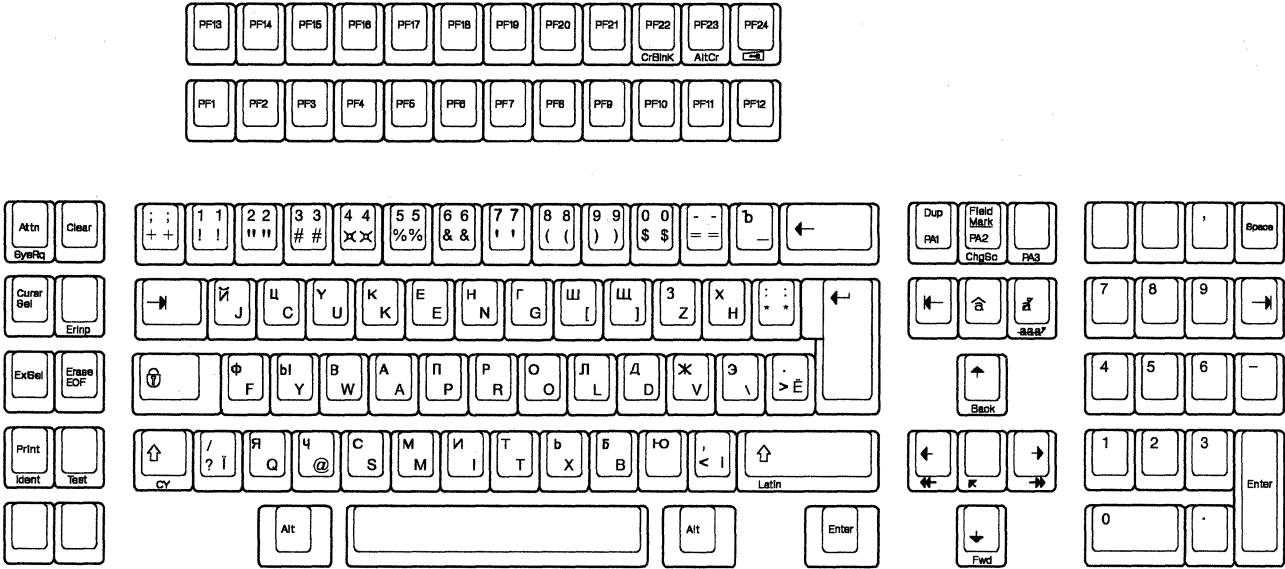


APL



Cyrillic
(Q121 = 35)

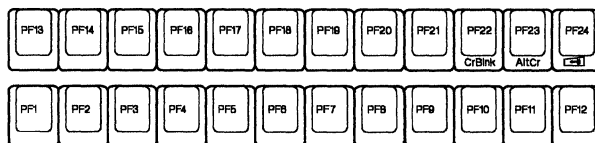
Typewriter



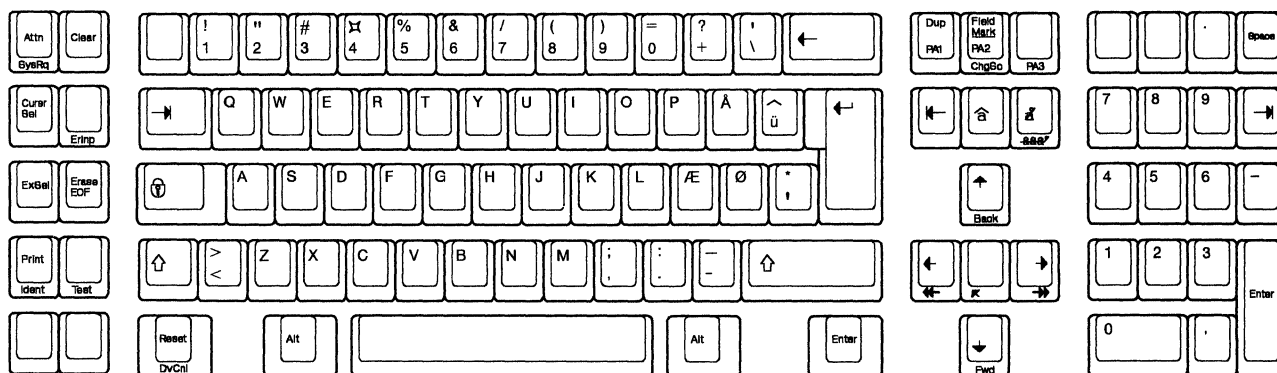
Danish

(Q121 = 07)

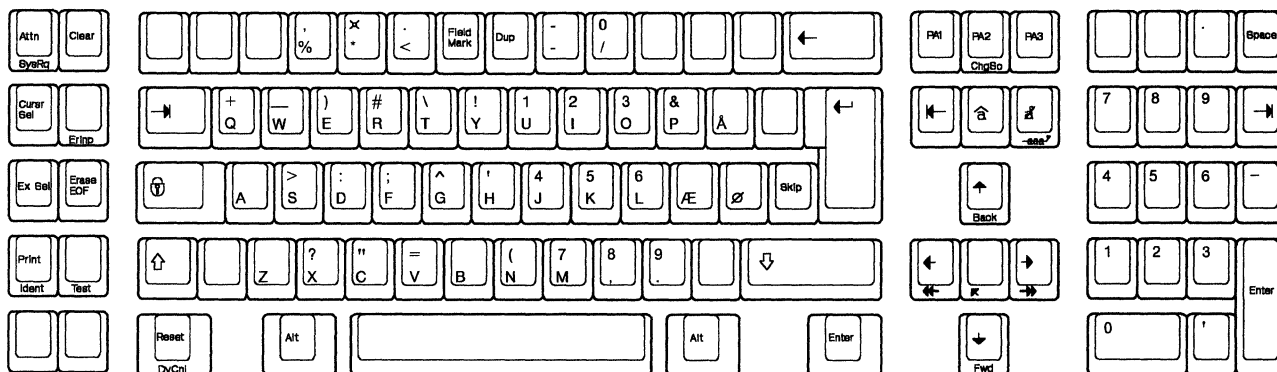
Typewriter

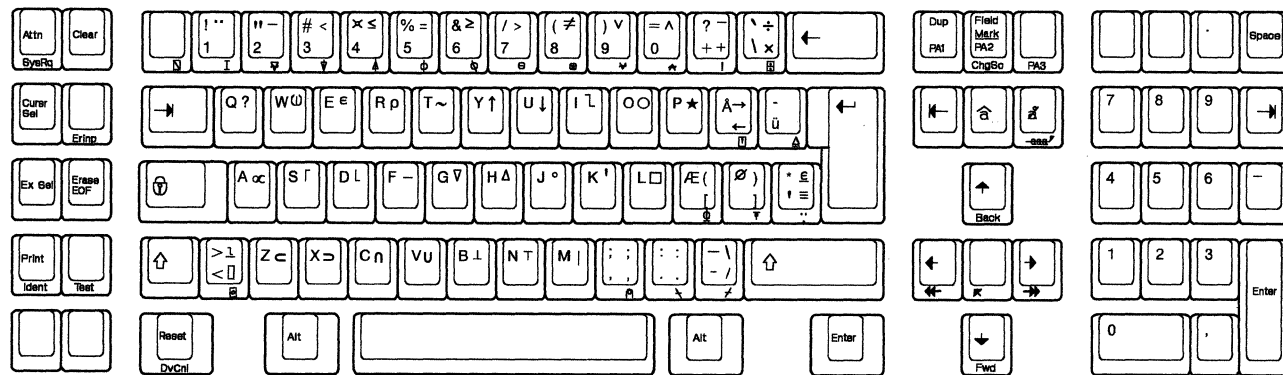


This group of keys is common to all keyboards.



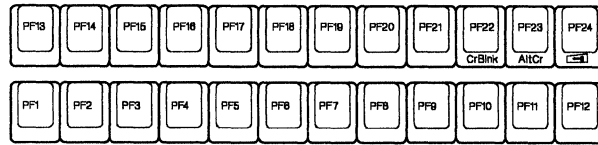
Data Entry



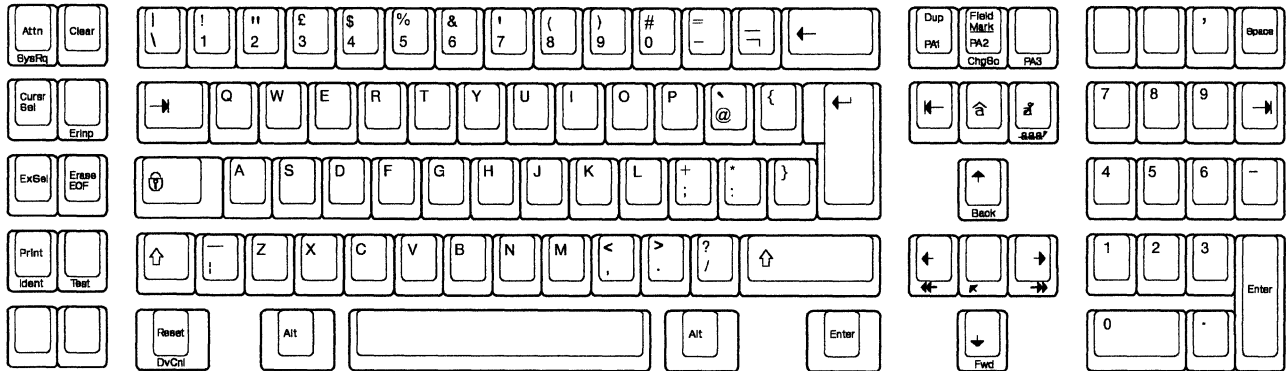
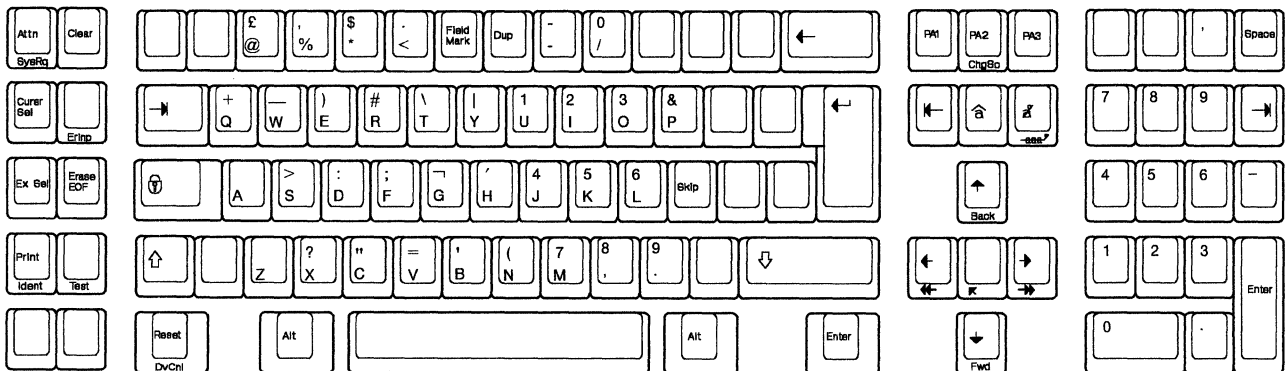
APL

English (U.K.)

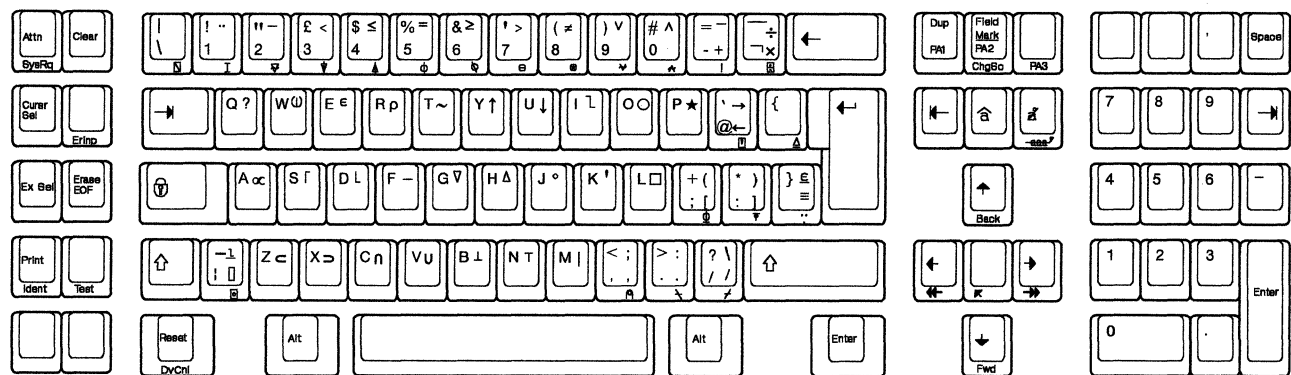
(Q121 = 22)

Typewriter

This group of keys is common to all keyboards.

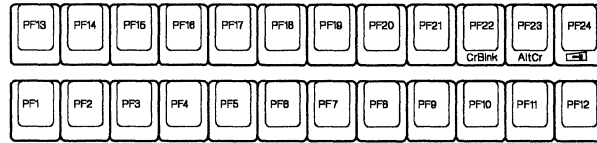
**Data Entry**

APL

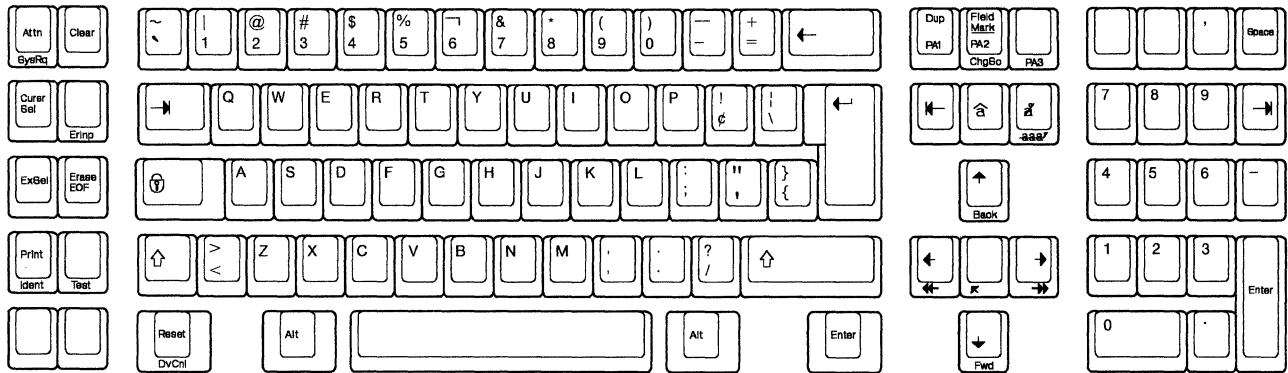
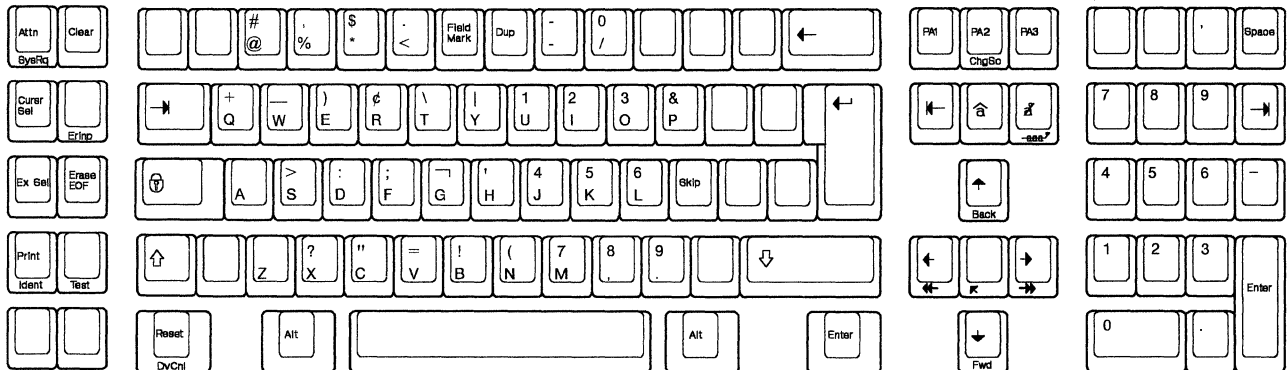


English (U.S.)

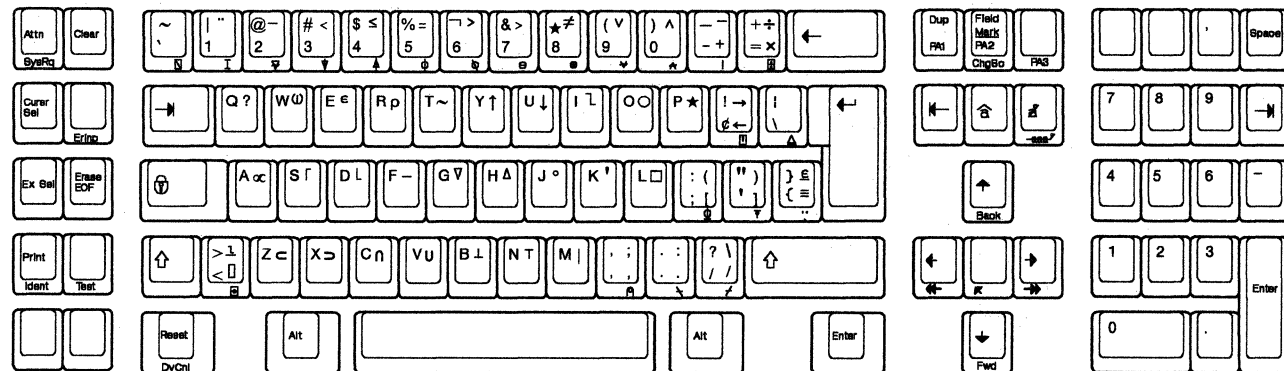
(Q121 = 01)

Typewriter

This group of keys is common to all keyboards.

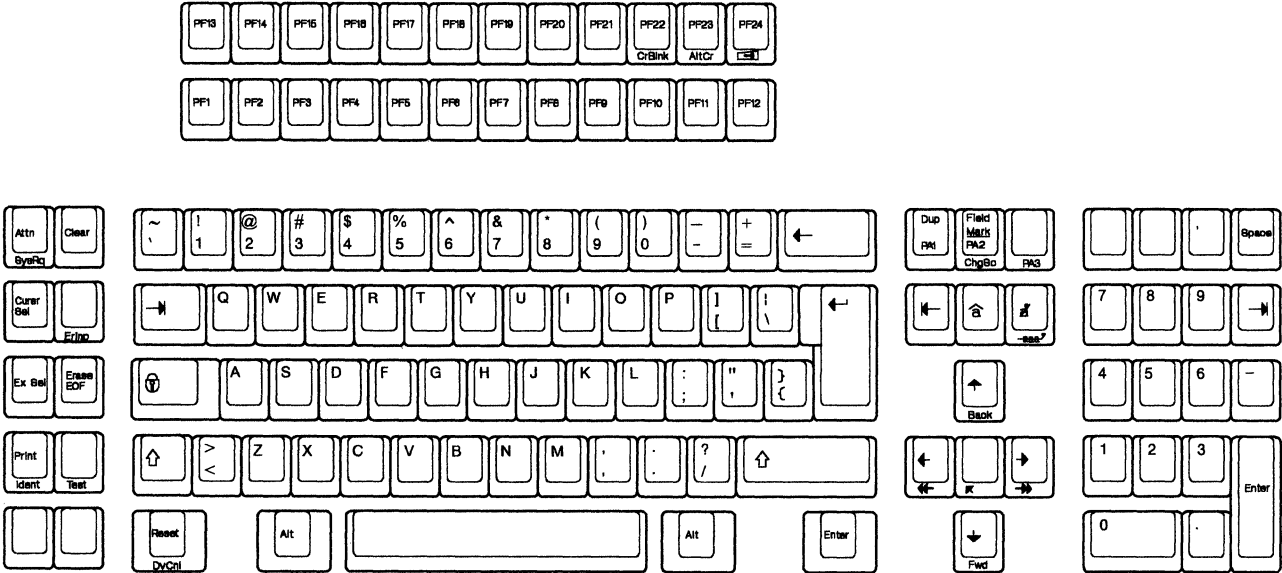
**Data Entry**

APL



English (U.S.) ASCII
(Q121 = 02, 33, 34)

Typewriter

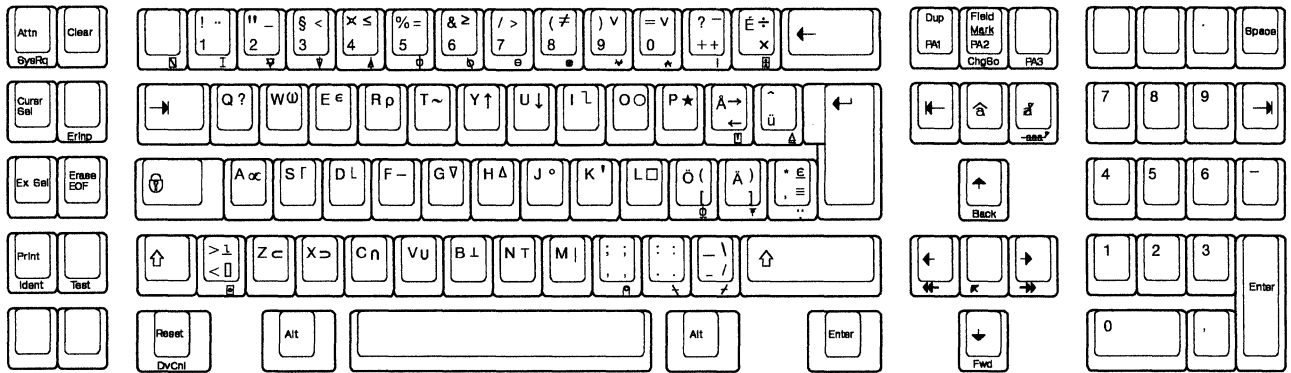


PF13	PF14	PF15	PF16	PF17	PF18	PF19	PF20	PF21	PF22	PF23	PF24
									CrBlink	AltCr	ESC

PF1	PF2	PF3	PF4	PF5	PF6	PF7	PF8	PF9	PF10	PF11	PF12
-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------

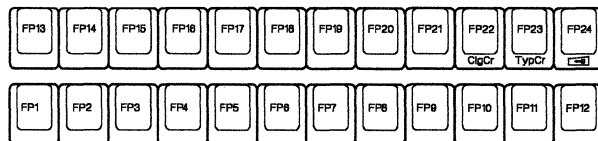
[illegible][illegible]

APL

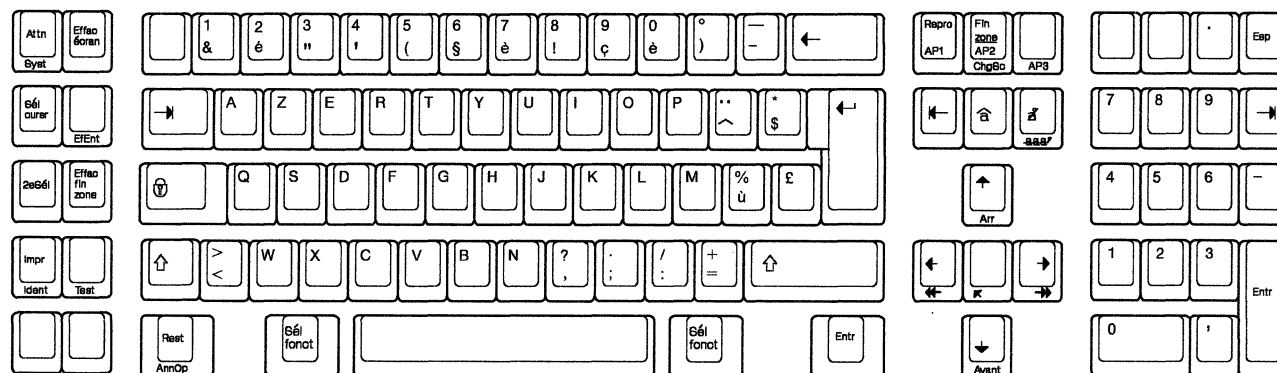


French (Q121 = 30)

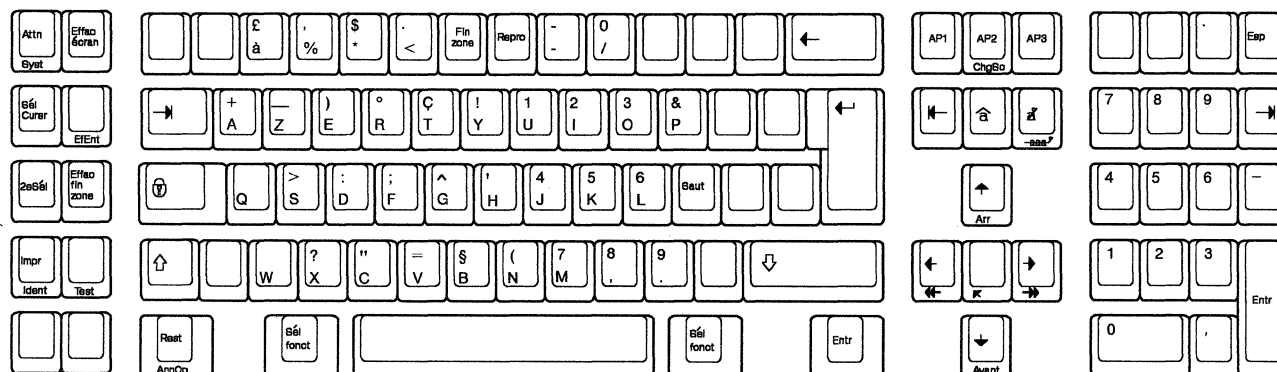
Typewriter



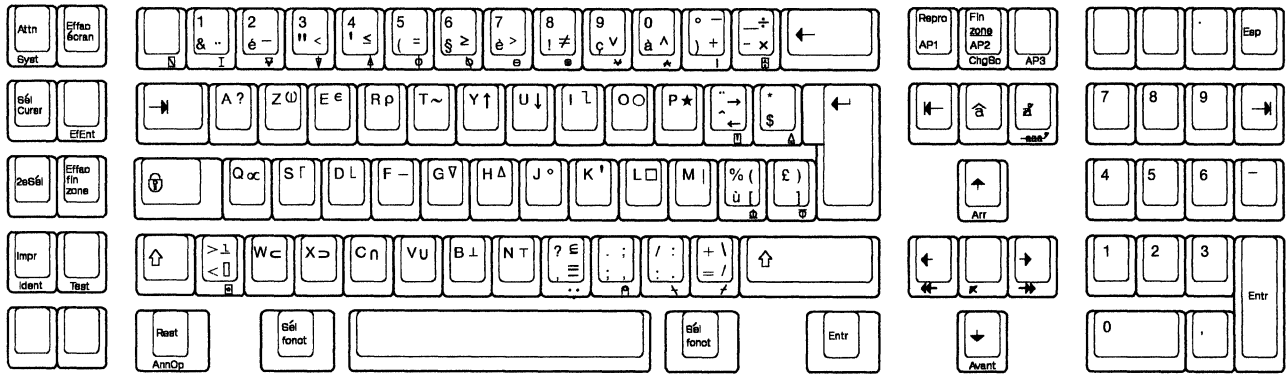
This group of keys is common to all keyboards.



Data Entry

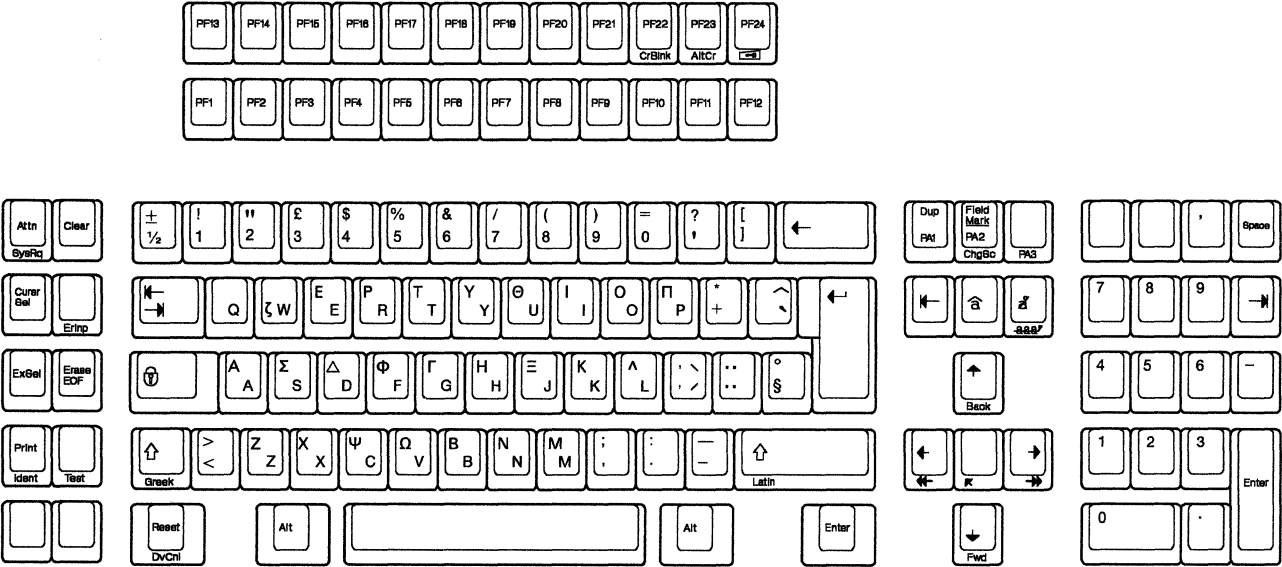


APL



Greek
(Q121 = 36)

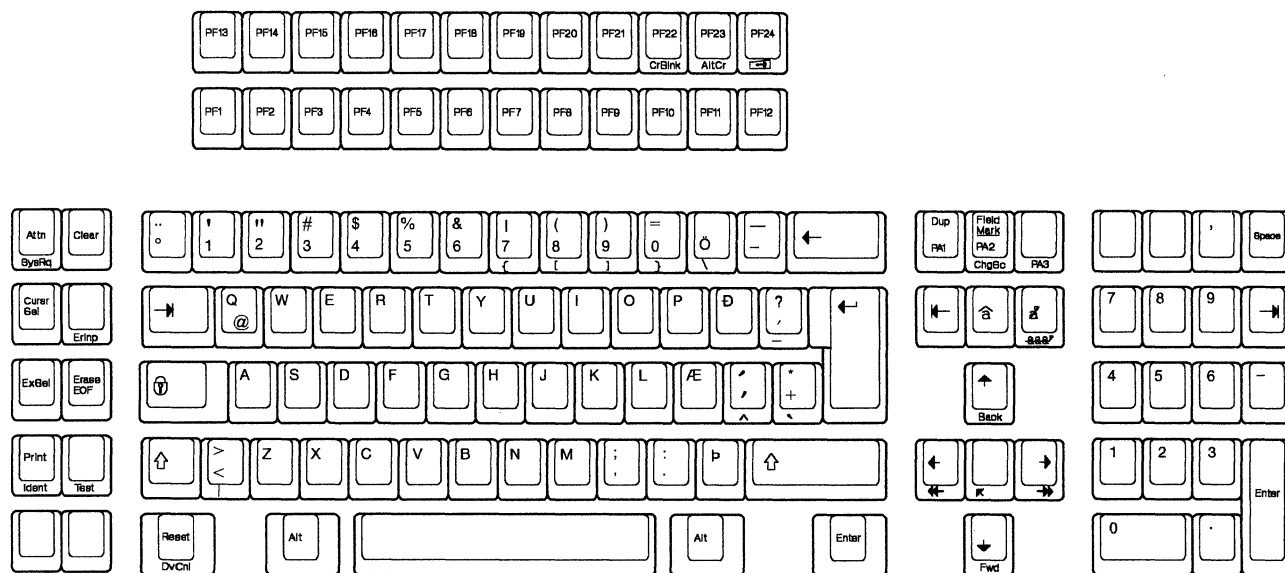
Typewriter



Icelandic

(Q121 = 37)

Typewriter



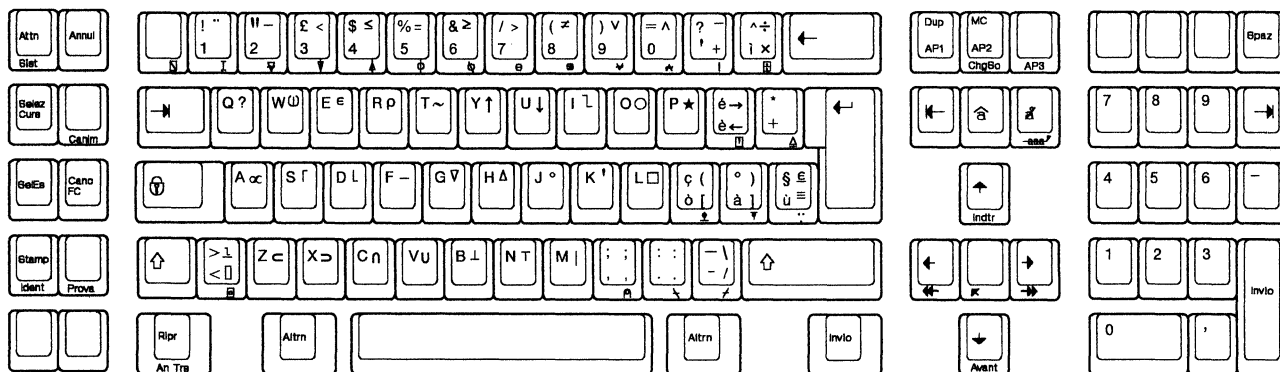
Italian
(Q121 = 15)

The diagram shows a 2x12 grid of FPs. The top row contains FPs 13-24, and the bottom row contains FPs 1-12. FPs 22 and 23 are highlighted with labels 'cGCr' and 'TypCr' respectively. A small legend box is located at the bottom right of the top row.

[illegible]

The diagram illustrates a keyboard layout with various keys and their functions. The keys are arranged in rows and columns, with some keys having multiple labels or symbols.

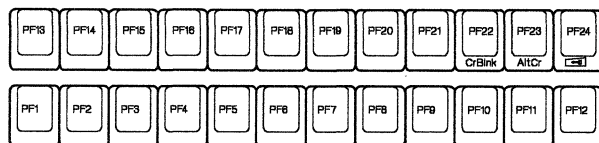
- Row 1:** Attn, Annul, £/\$, ,/%, \$/., </>, IMC, Dup, -, 0/, [], \/, ←
- Row 2:** Selaz/Curs, Carlin, →, +Q, -W,)E, °R, ÇT, IY, 1U, 2I, 3O, &P, [], \/, ←
- Row 3:** SelEs, Cano FC, Ⓢ, A, >S, :D, ;F, ^G, 'H, 4J, 5K, 6L, Skip, [], \/, ↵
- Row 4:** Stamp, Ident, Provs, ↑, [], Z, ?X, "C, =V, éB, (N, 7M, 8, 9, [], ↓, ↵
- Row 5:** Ripr, An Trn, Altfn, [], Altfn, Invo
- Row 6:** AP1, AP2, AP3, CngSo, ←, ⇐, ⇨, 7, 8, 9, →
- Row 7:** Indtr, 4, 5, 6, -
- Row 8:** ←, AP1, →, ⇐, K, ⇨, 1, 2, 3, Invo
- Row 9:** ↓, Avnt, 0, ', Invo

APL

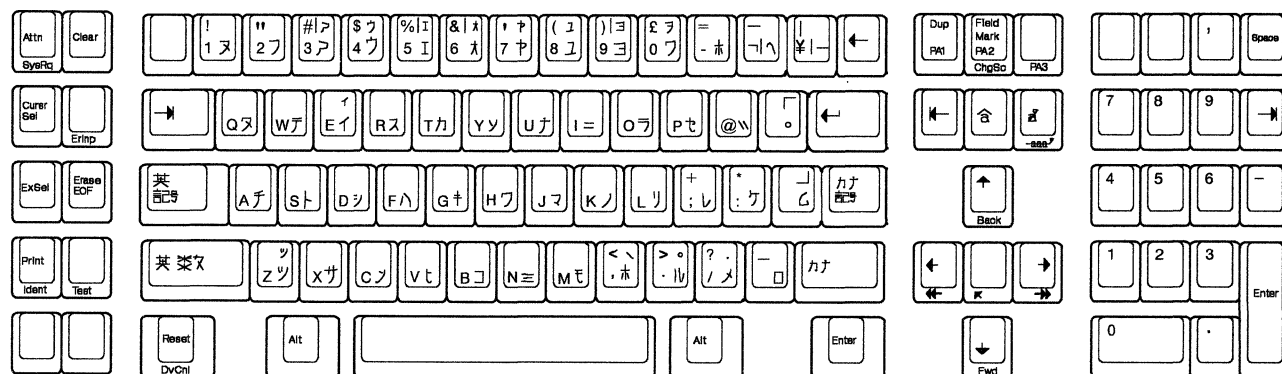
Japanese Katakana

(Q121 = 17)

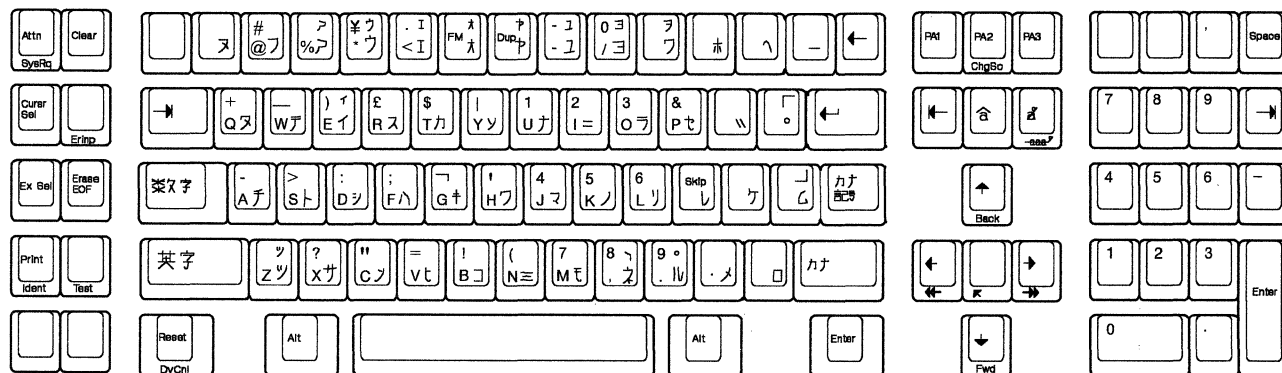
Typewriter

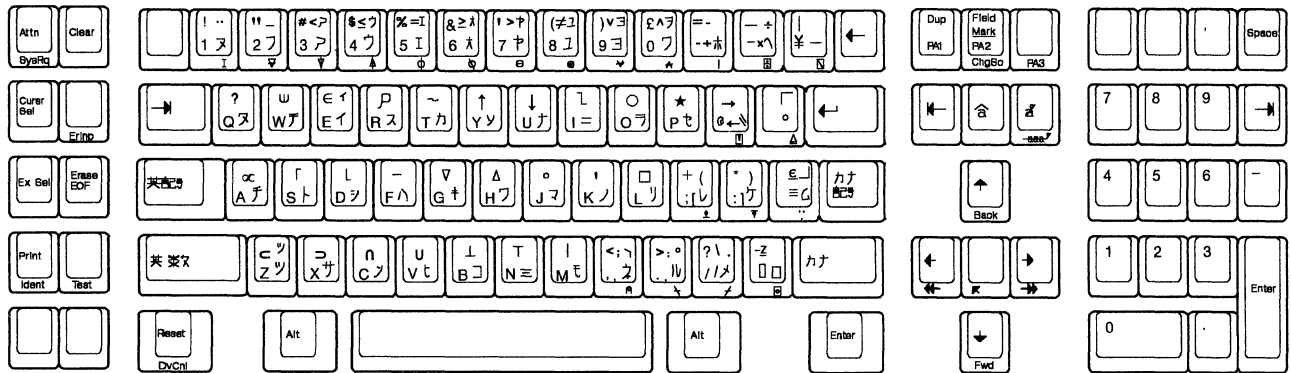


This group of keys is common to all keyboards.



Data Entry

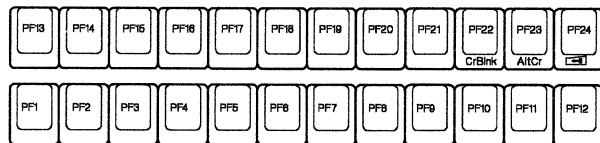


APL

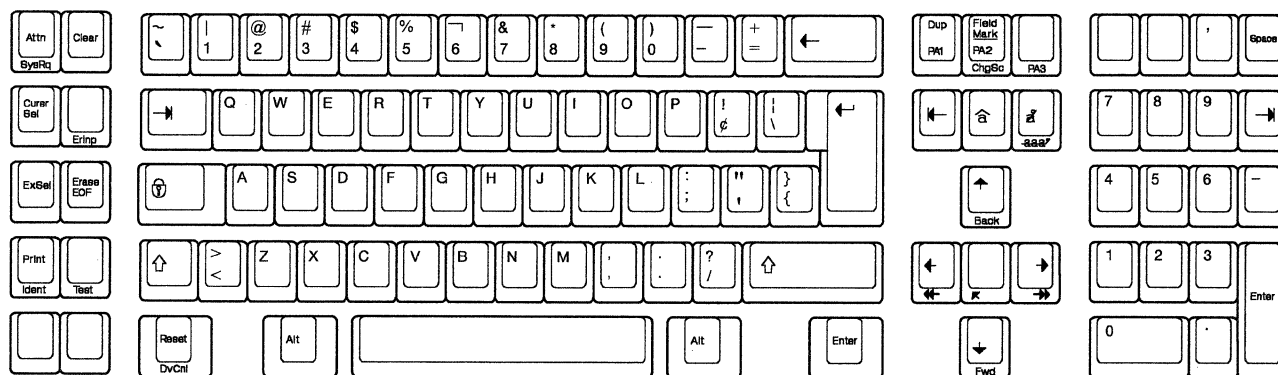
Netherlands

(Q121 = 47)

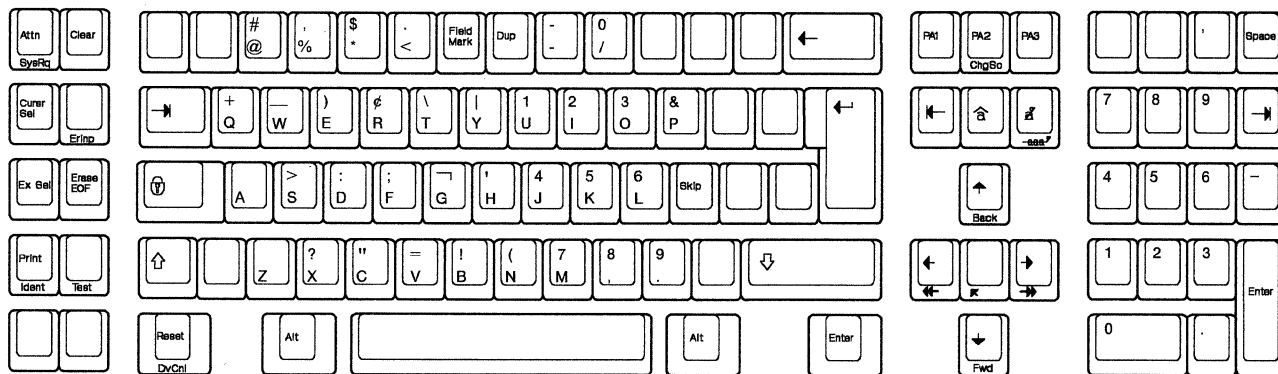
Typewriter



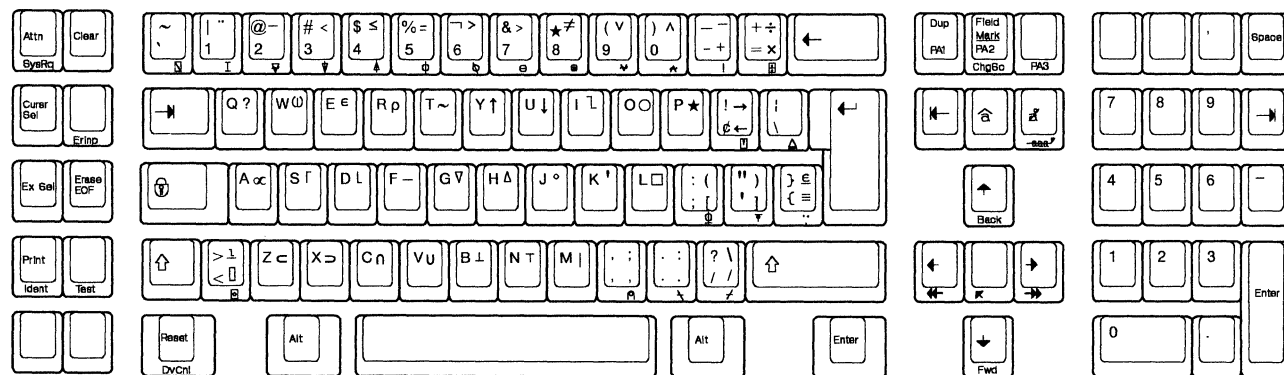
This group of keys is common to all keyboards.



Data Entry



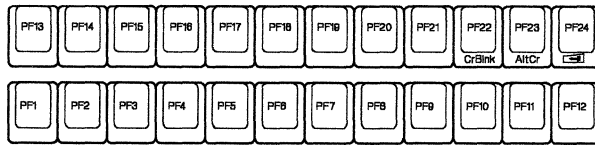
APL



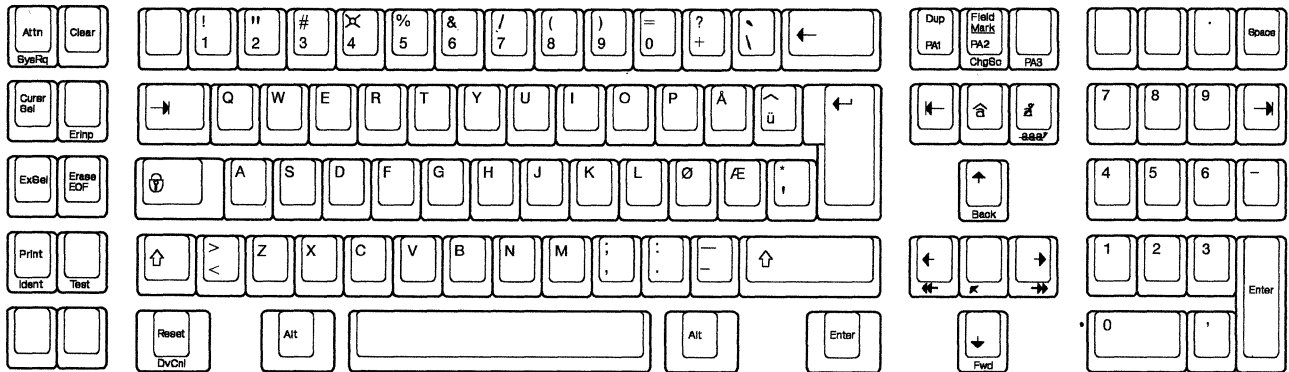
Norwegian

(Q121 = 23)

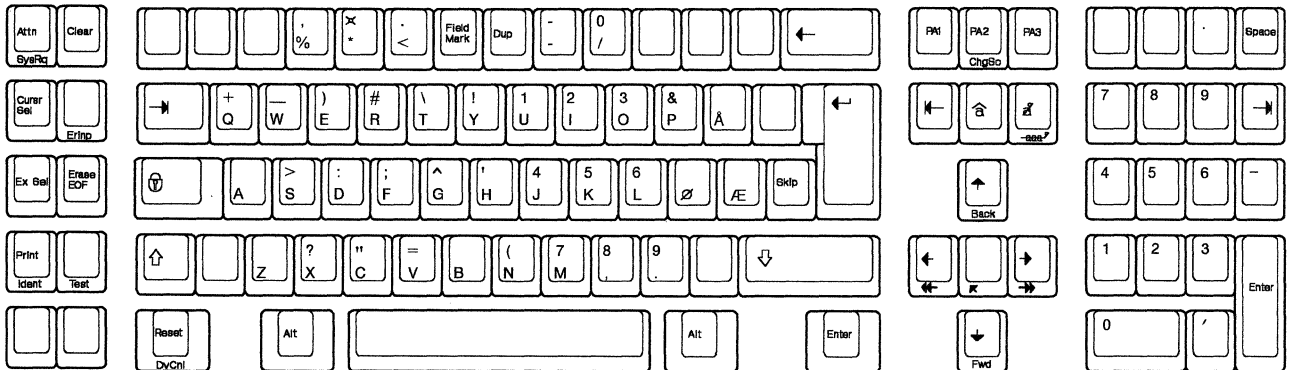
Typewriter



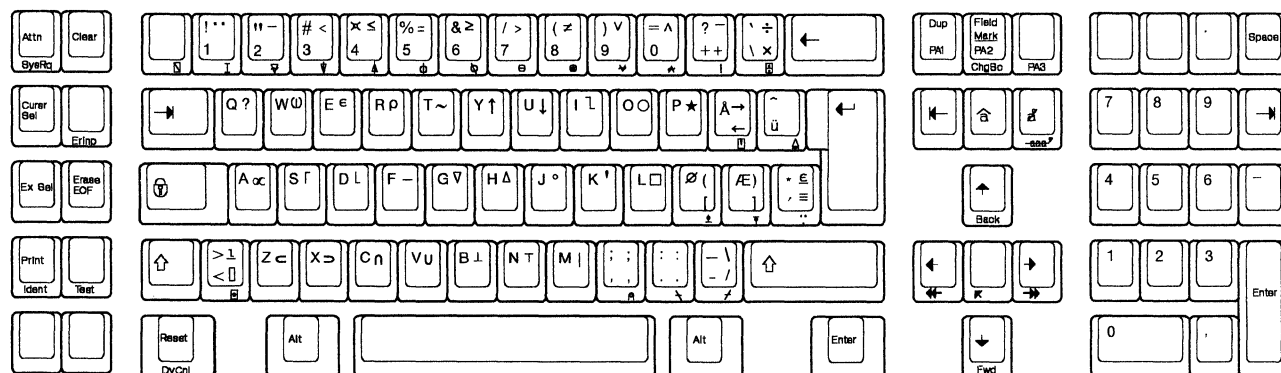
This group of keys is common to all keyboards.



Data Entry



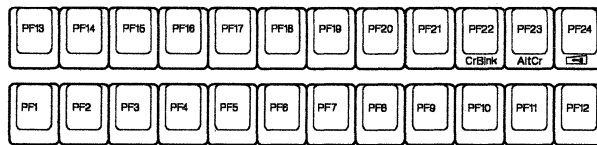
APL



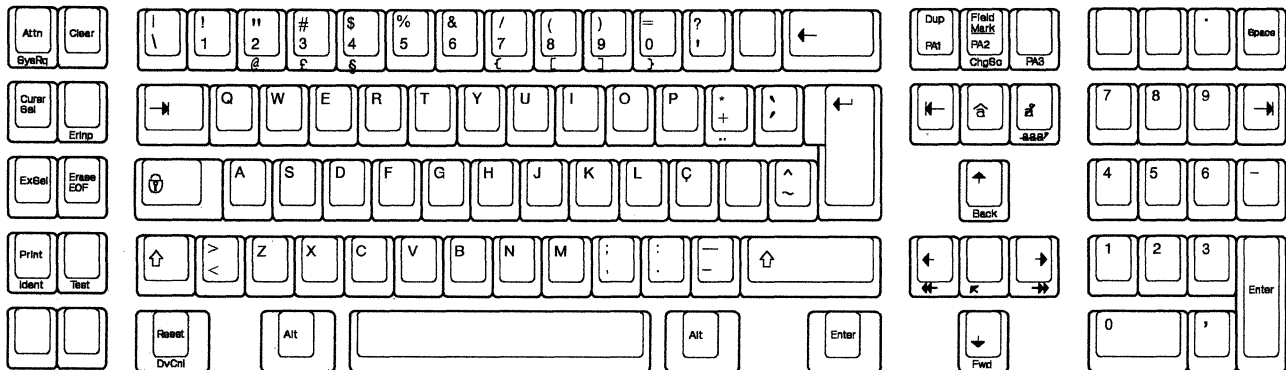
Portuguese

Portuguese (Q121 = 28)

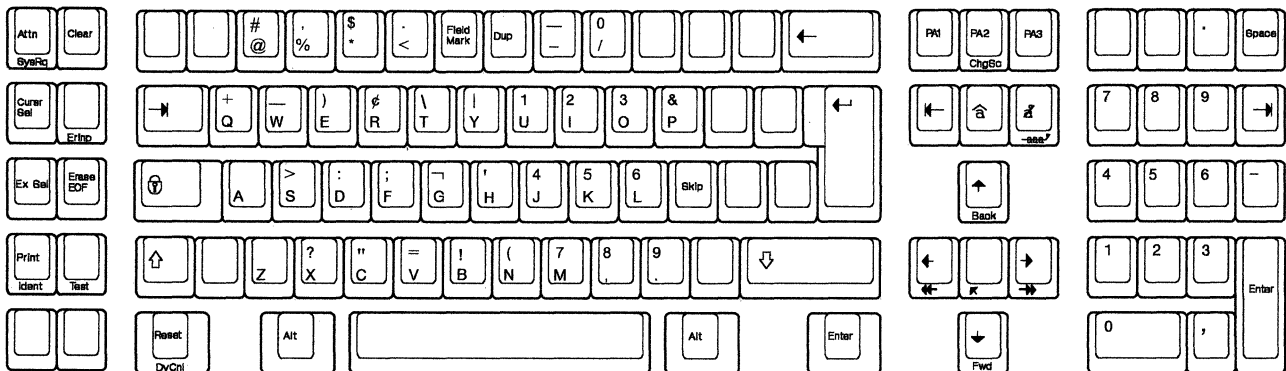
Typewriter



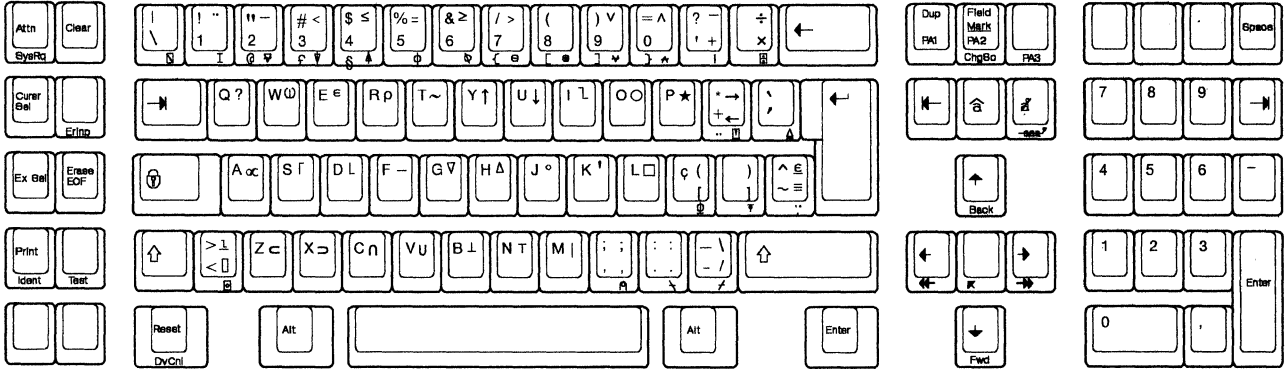
This group of keys is common to all keyboards.



Data Entry

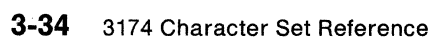


APL



ROECE Latin
(Q121 = 38)

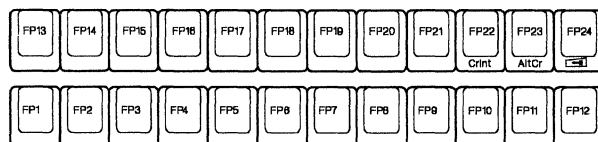
PF13	PF14	PF15	PF16	PF17	PF18	PF19	PF20	PF21	PF22 CrBlink	PF23 AltCr	PF24 CE
PF1	PF2	PF3	PF4	PF5	PF6	PF7	PF8	PF9	PF10	PF11	PF12



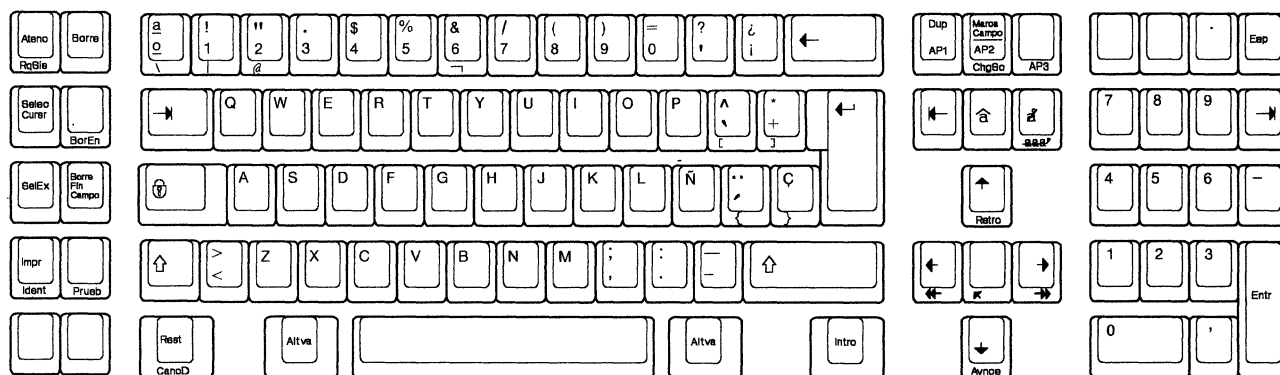
Spanish

(Q121 = 19)

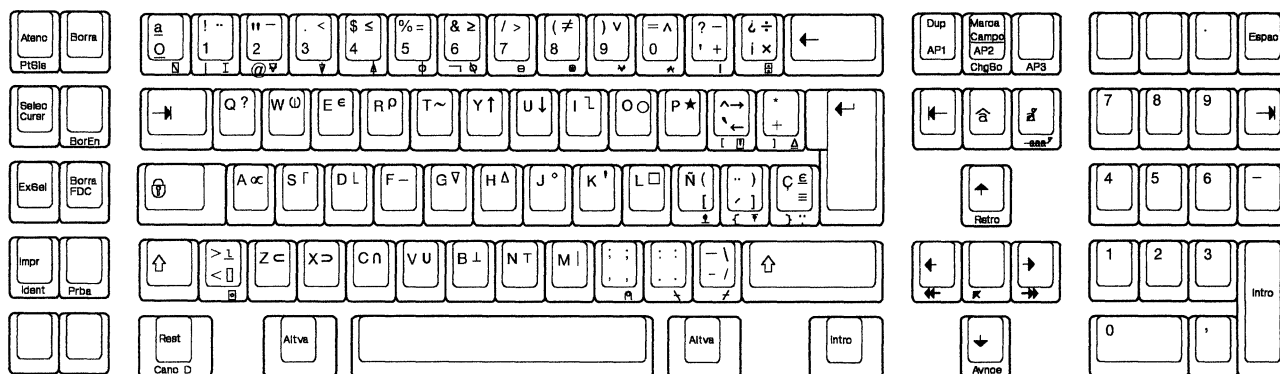
Typewriter



This group of keys is common to all keyboards.



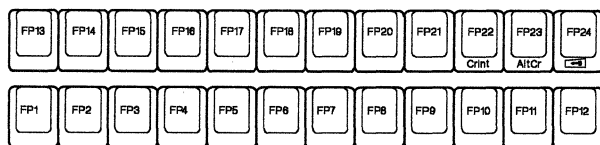
APL



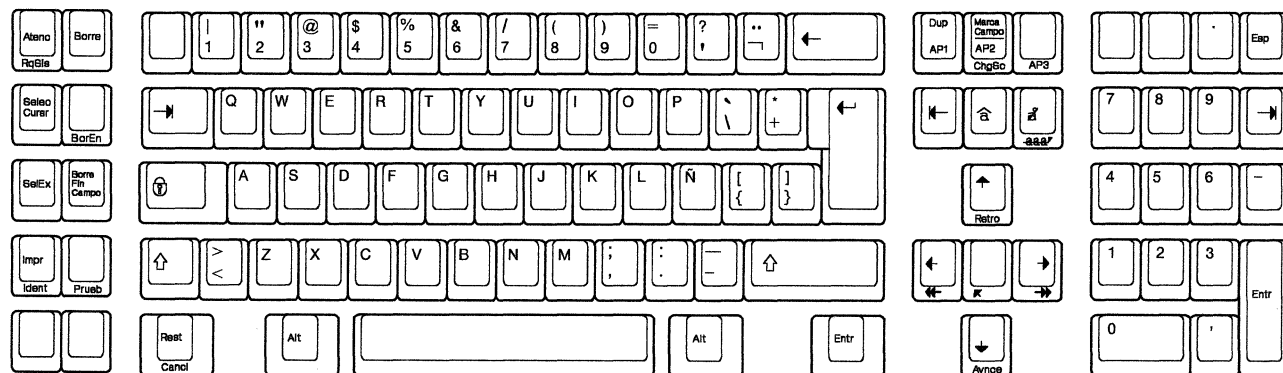
Spanish-Speaking

(Q121 = 21)

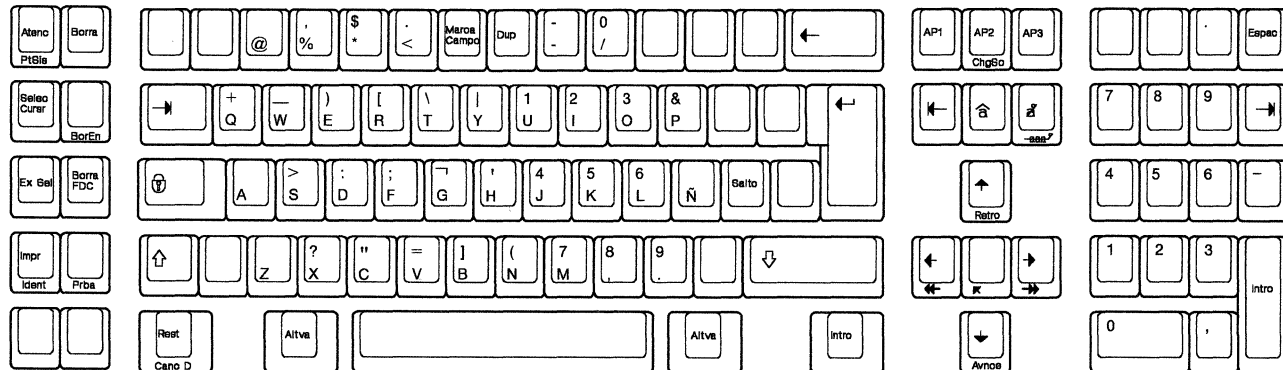
Typewriter



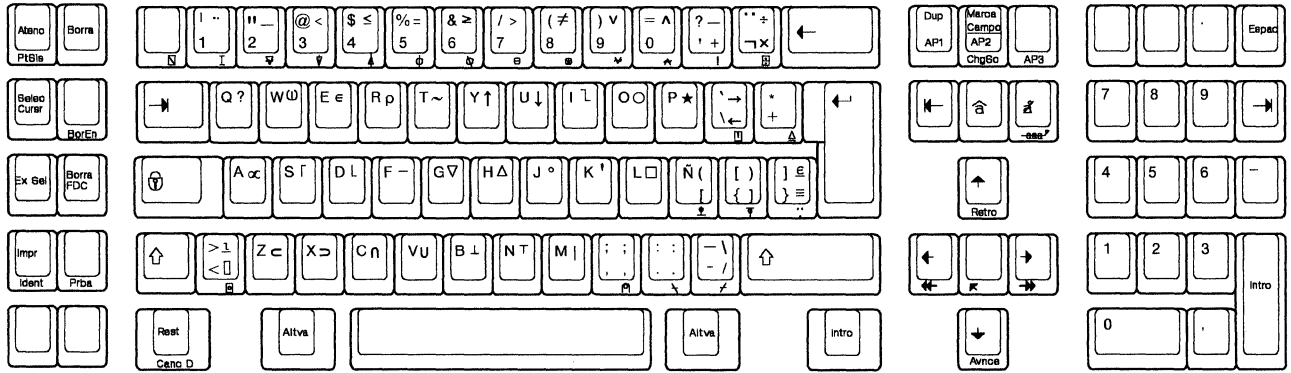
This group of keys is common to all keyboards.



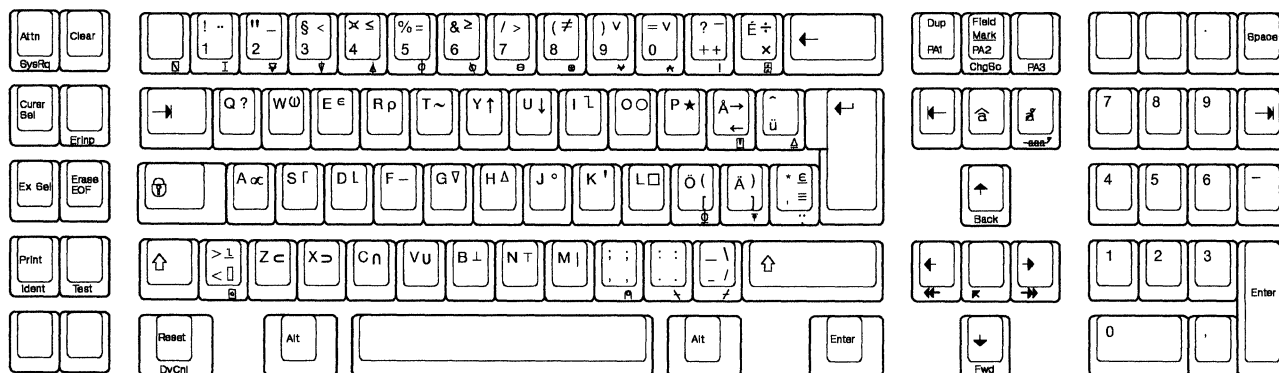
Data Entry



APL



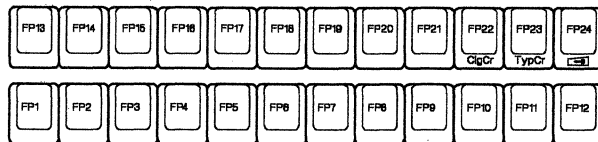
APL



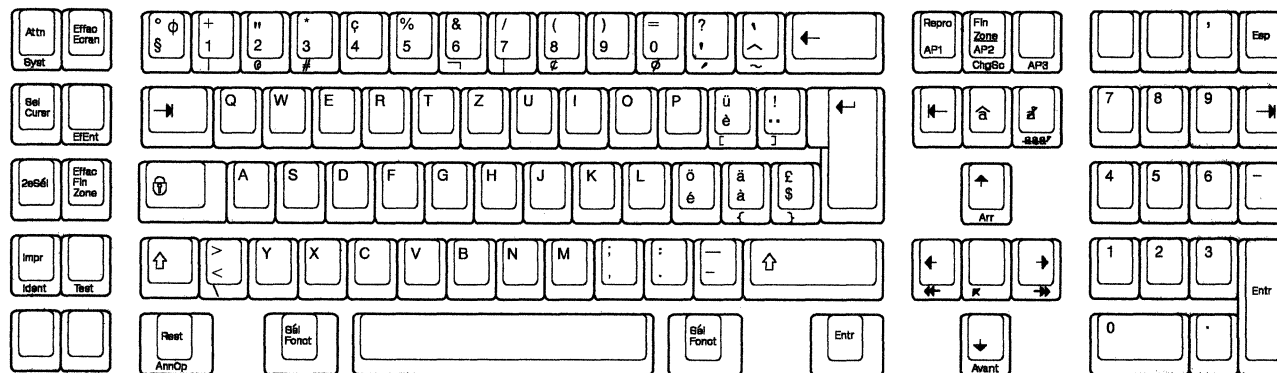
Swiss-French (New)

(Q121 = 41)

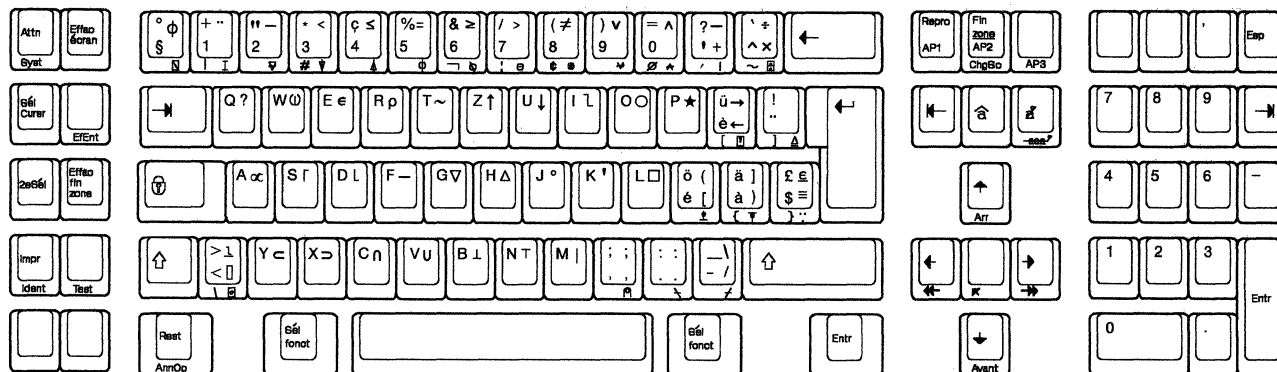
Typewriter



This group of keys is common to all keyboards.



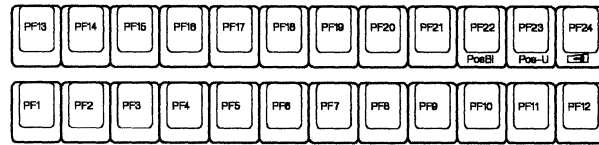
APL



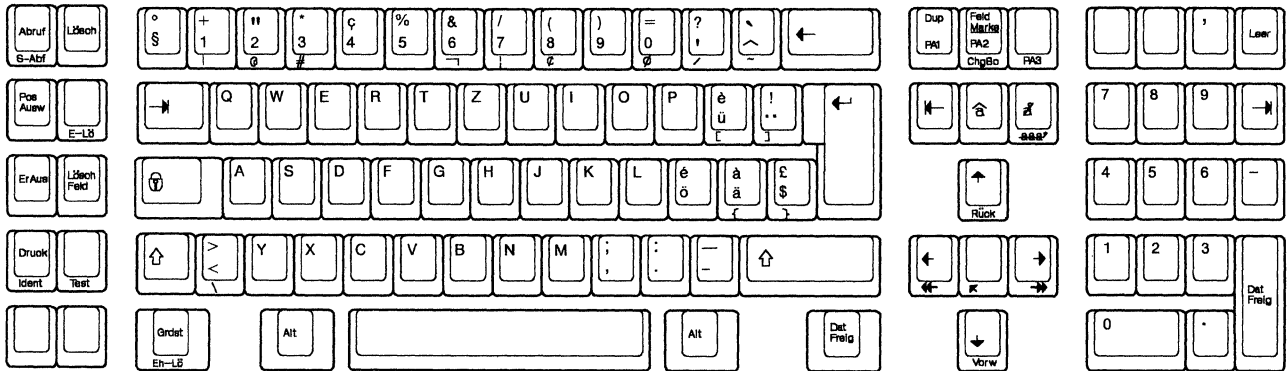
Swiss-German (New)

(Q121 = 42)

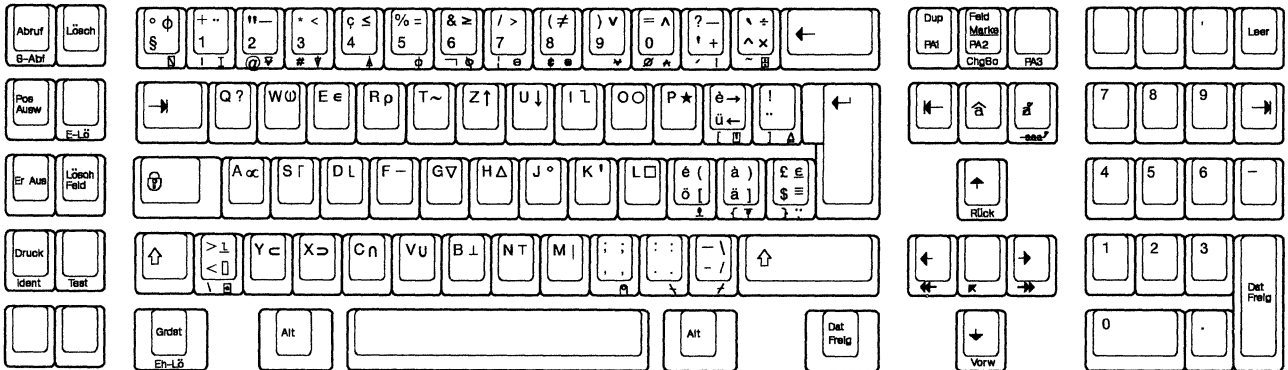
Typewriter



This group of keys is common to all keyboards.



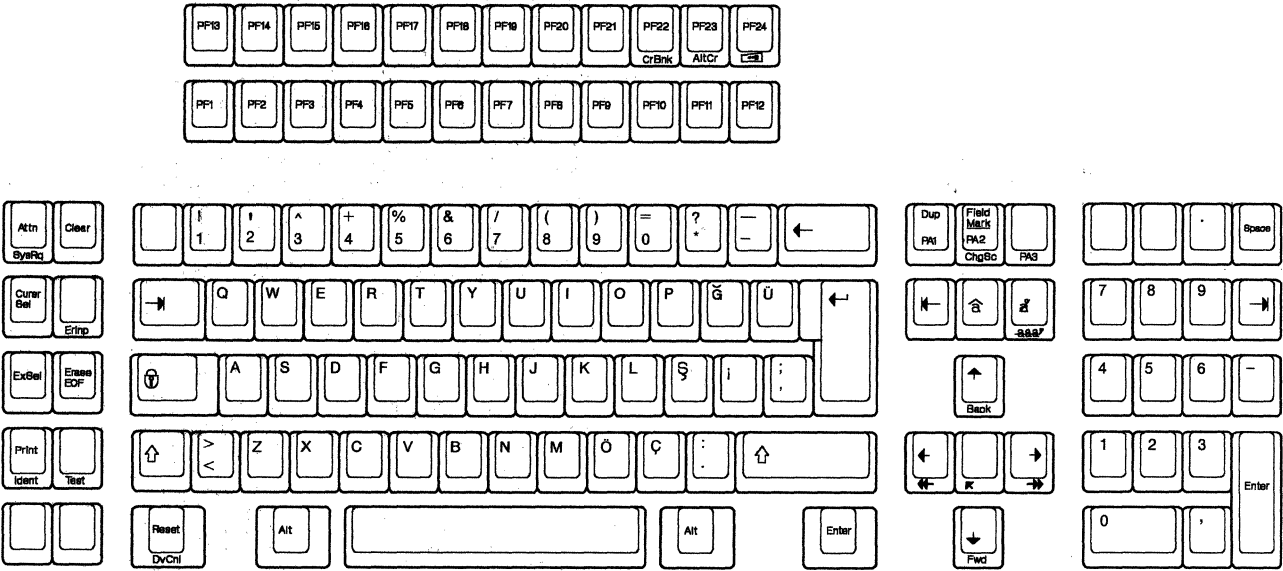
APL



Turkish

Turkish
(Q121 = 39)

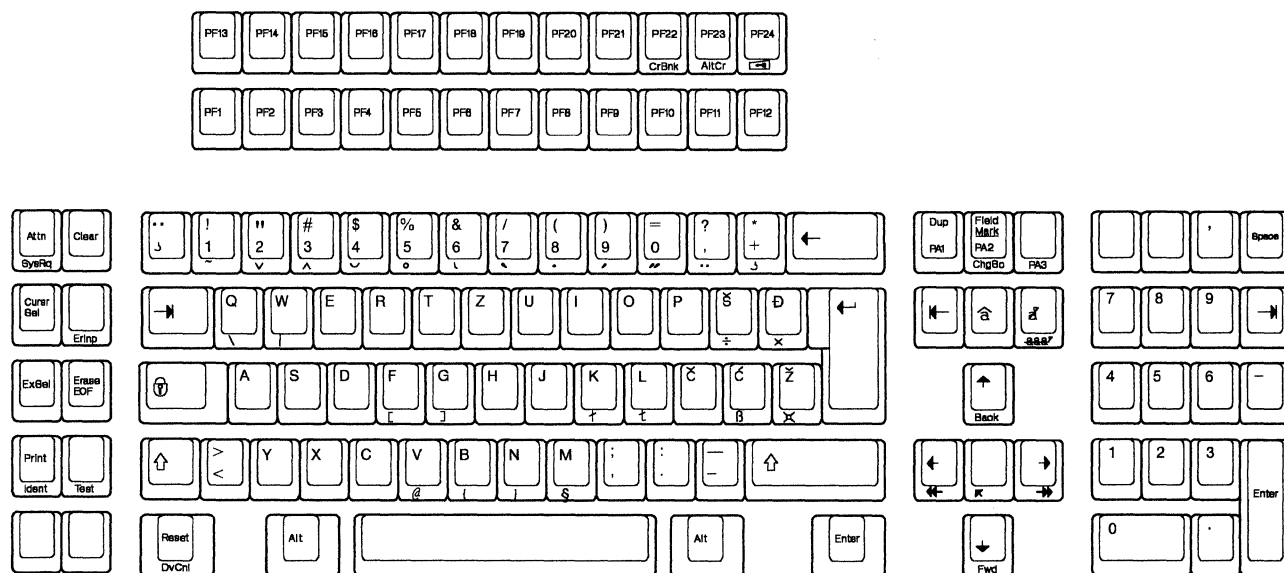
Typewriter



Yugoslav

(Q121 = 40)

Typewriter



Chapter 4. Enhanced Keyboards

This chapter provides descriptions and layouts for the IBM Enhanced Keyboards.

Keyboard Descriptions

The IBM Enhanced keyboard is available only in the typewriter version. The U.S. English is a 102-key keyboard. The National Language keyboards have 103 keys and the Japanese Katakana keyboard has 104 keys.

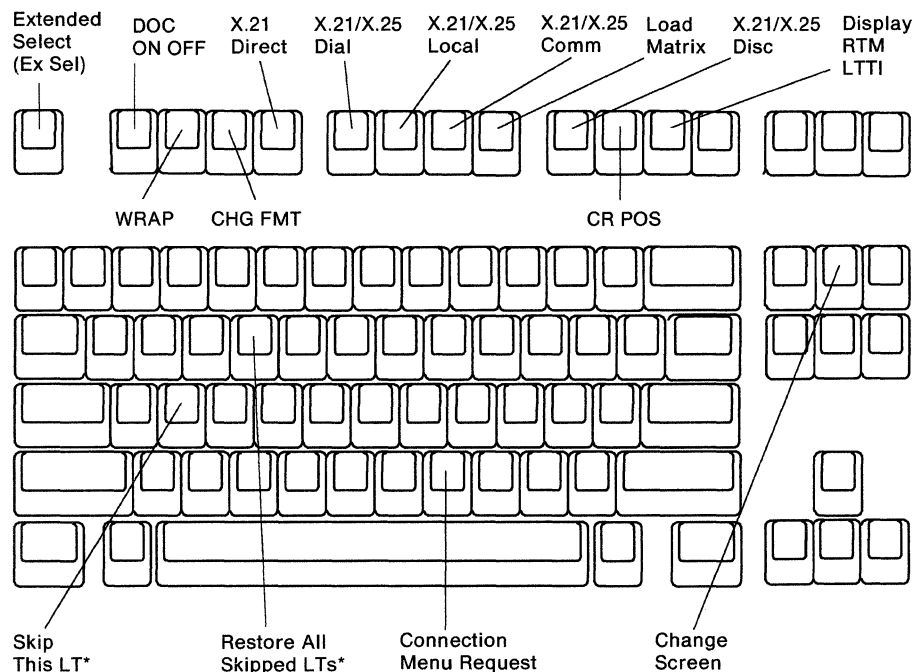
The following terminals use the Enhanced keyboard.

- IBM 3191 Display Station Models A20 and B20
- IBM 3192 Display Station Models C20, D20, F20, G20, L20, and W20
- IBM 3193 Display Station Model 2.

Extended Select Functions

The following layout shows the functions that are enabled after invoking Extension/Extended Select mode. Descriptions of the functions are found in the *3174 Functional Description*, GA23-0218.

A description of the Entry Assist functions are found in the *Entry Assist User's Guide*, GA23-0119.



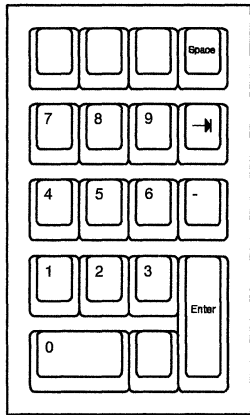
*Configuration Support B Only

Numeric Keypads

The following three configurations of the numeric keypads are available. Two configurations are optional—available (in native mode only) through modification of the standard National Language Numeric Keypad customization of the control unit.

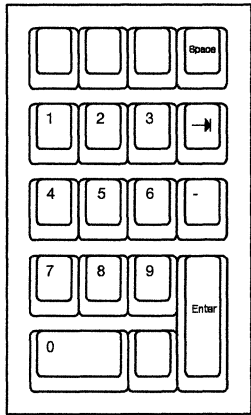
National Language Numeric (standard)

Q138 = 0



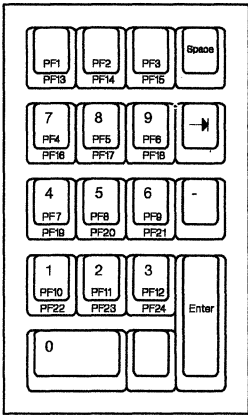
Data Entry (optional)

Q138 = 1



Program Function (optional)

Q138 = 2

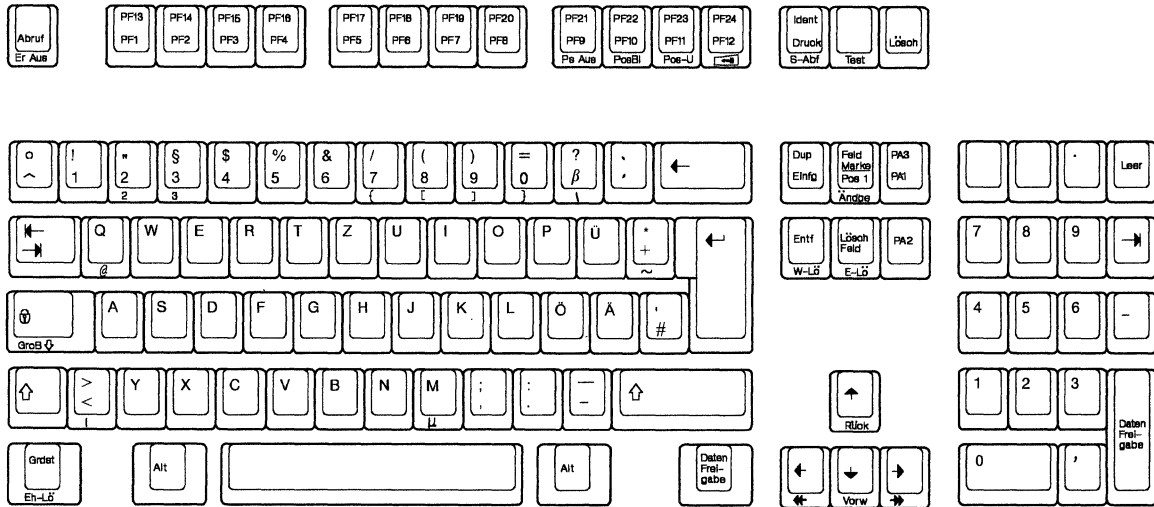


Keyboard Layouts

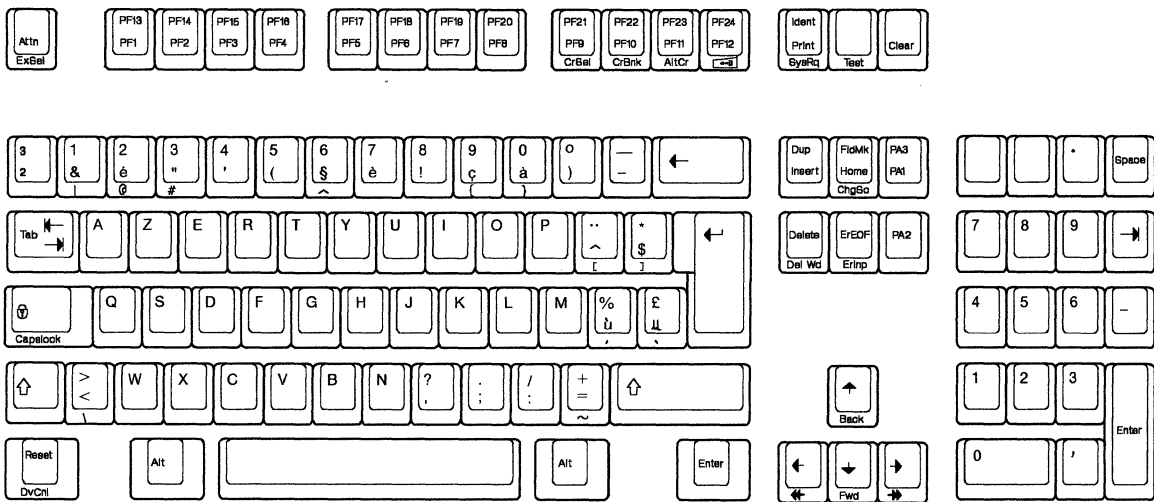
The remainder of this chapter shows the converged keyboard layouts in the various national languages supported by the 3174.

Austrian/German

(Q121 = 03)

Typewriter**Belgian (New)**

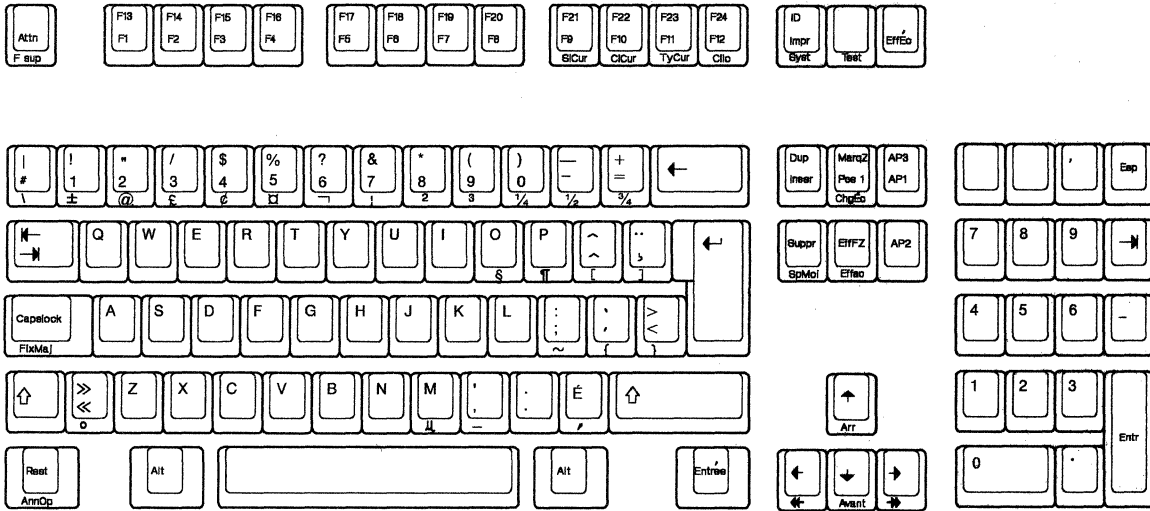
(Q121 = 43)

Typewriter

Canadian Bilingual

(Q121 = 29)

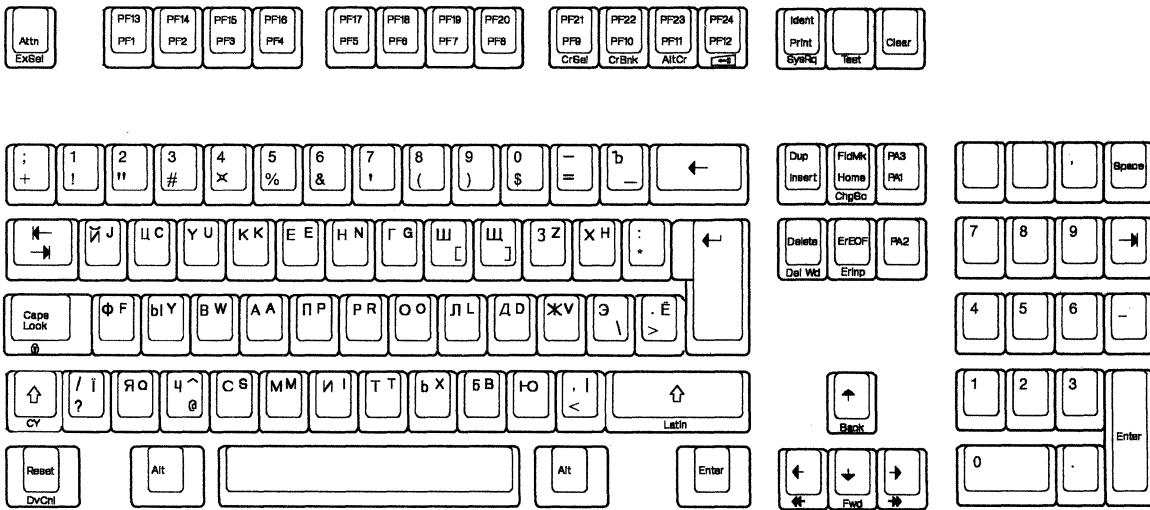
Typewriter



Cyrillic

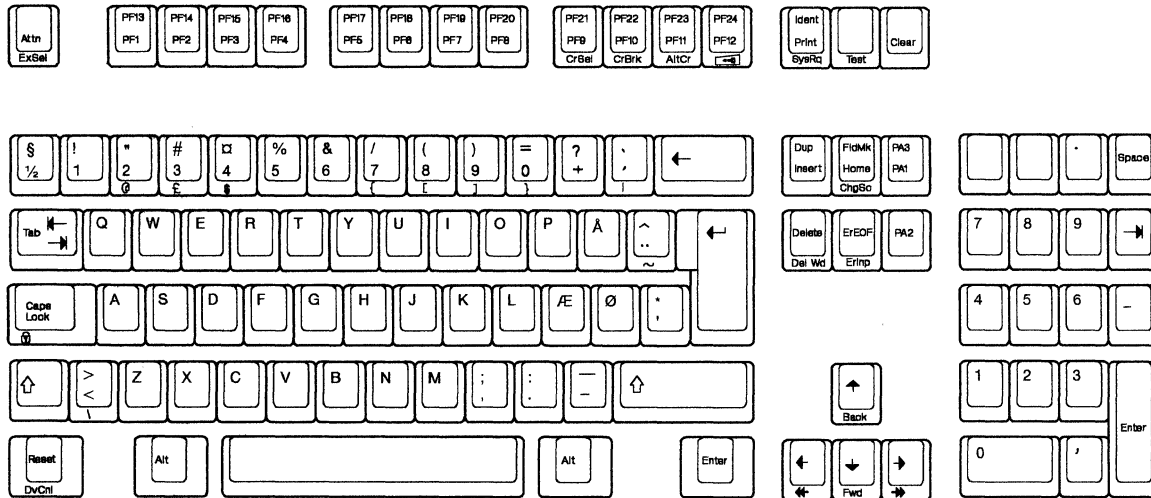
(Q121 = 35)

Typewriter



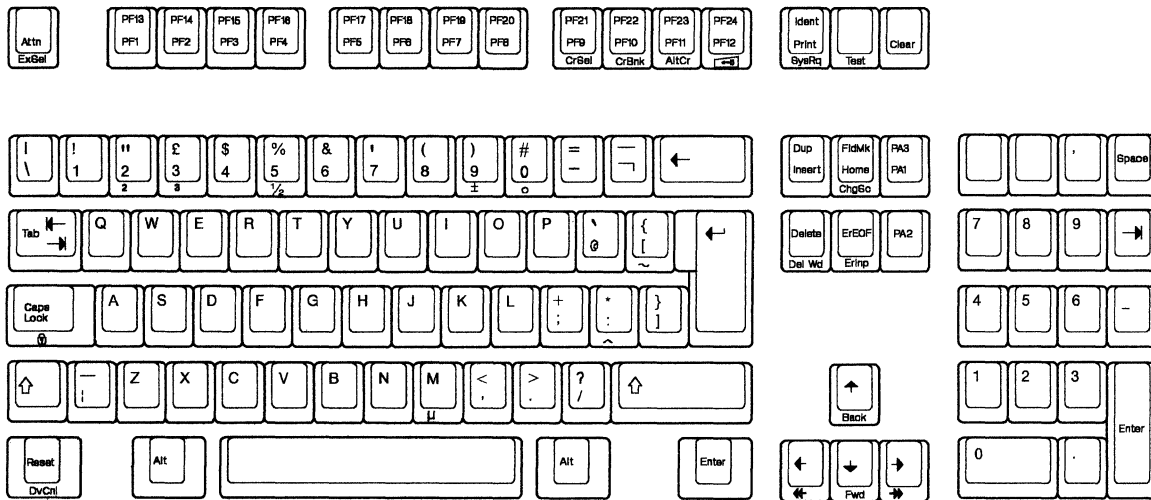
Danish (Q121 = 07)

Typewriter



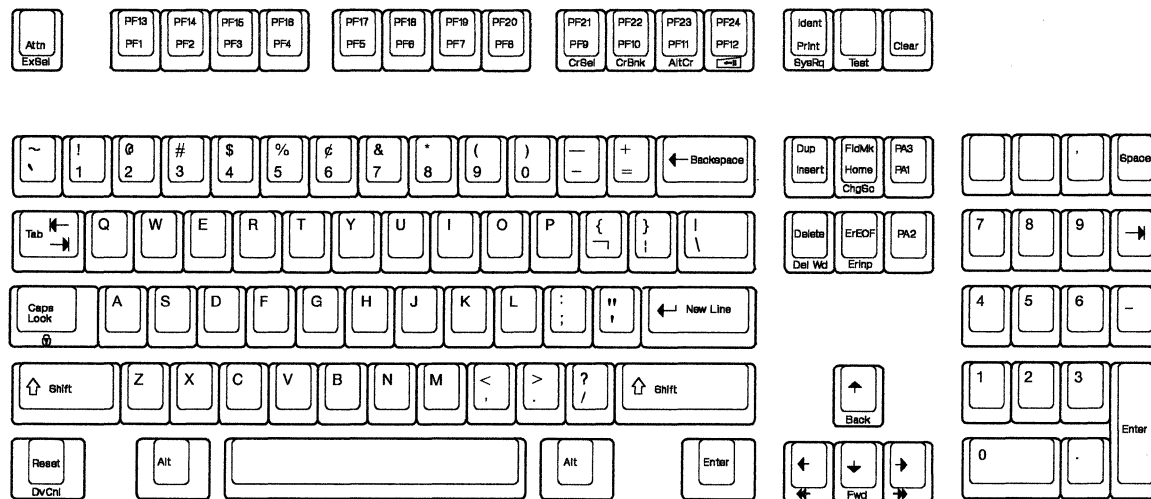
English (U.K.) (Q121 = 22)

Typewriter

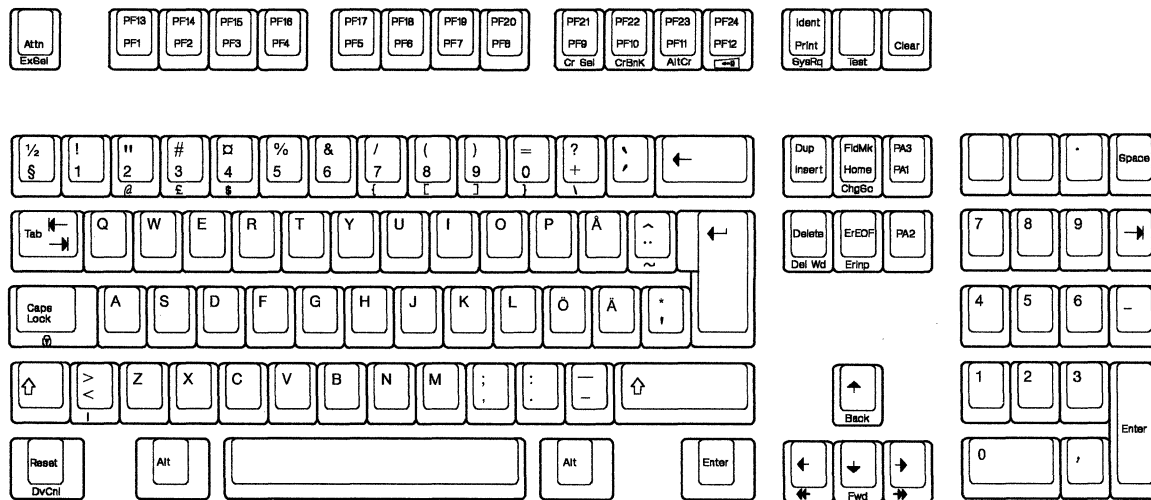


English (U.S.)

(Q121 = 01)

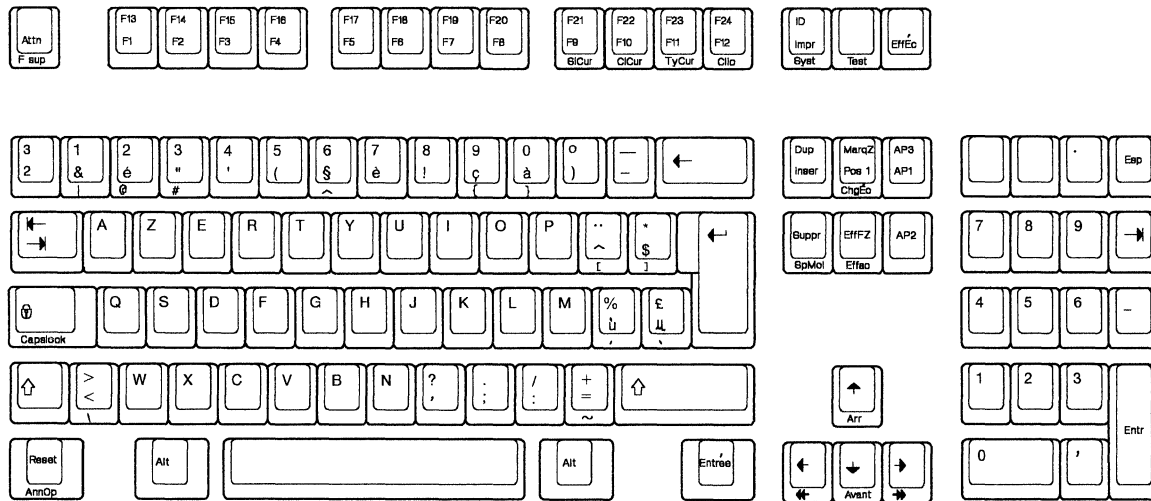
Typewriter**Finnish**

(Q121 = 09)

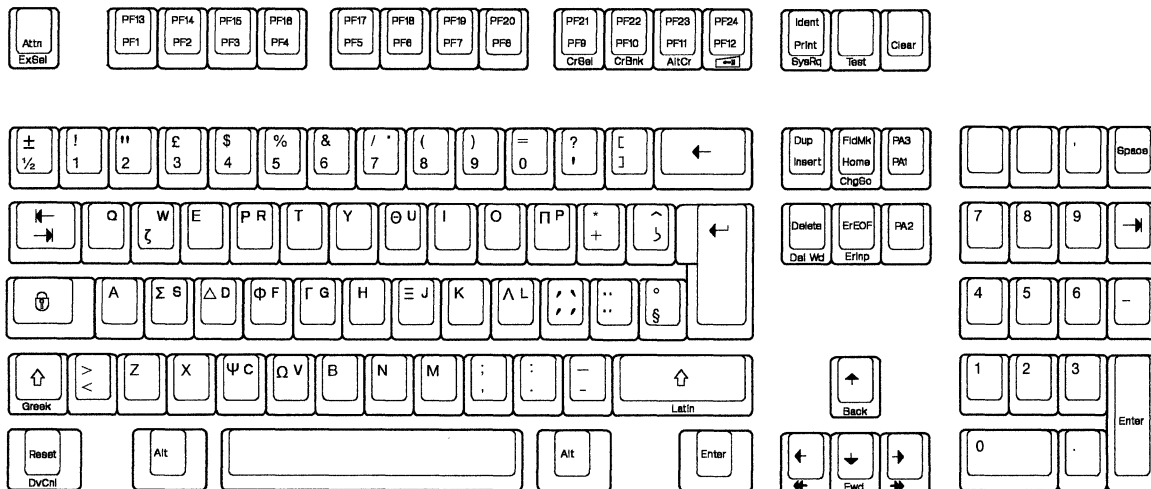
Typewriter

French

(Q121 = 30)

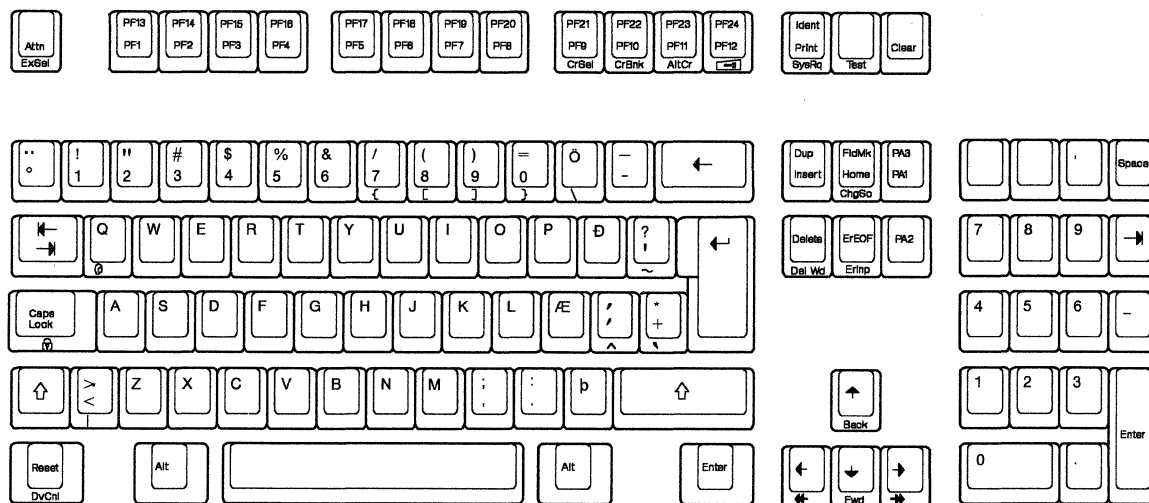
Typewriter**Greek**

(Q121 = 36)

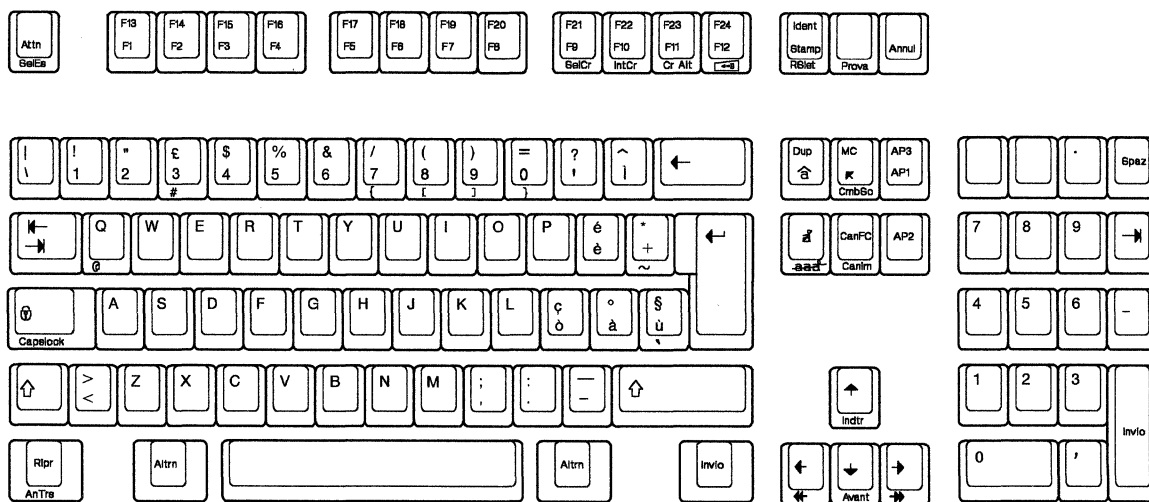
Typewriter

Icelandic

(Q121 = 37)

Typewriter**Italian**

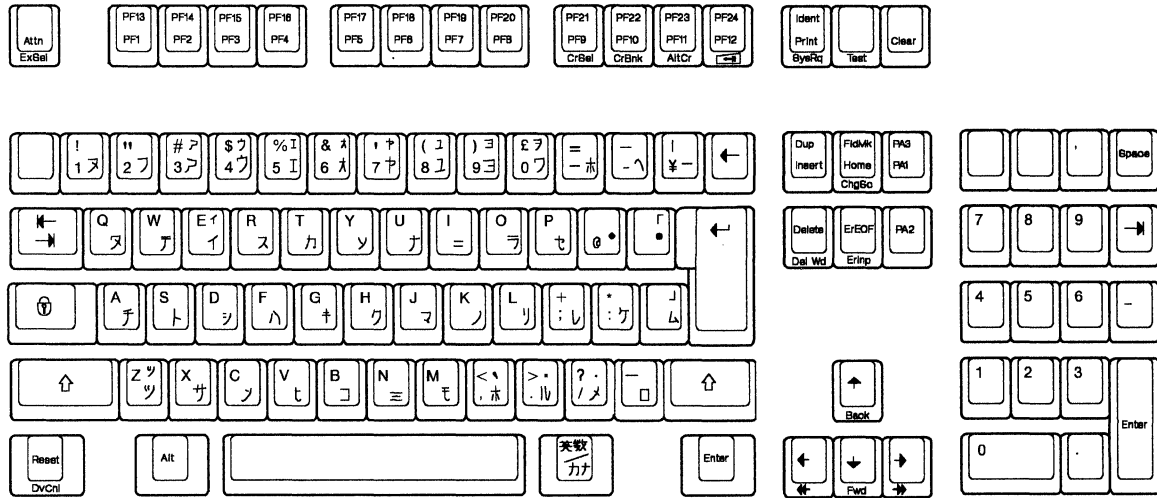
(Q121 = 15)

Typewriter

Japanese Katakana

(Q121 = 17)

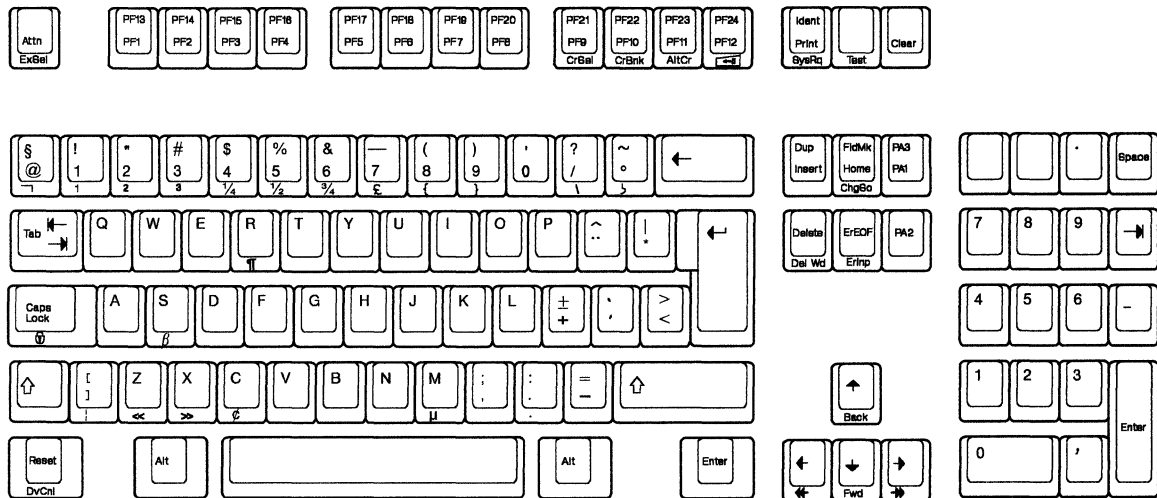
Typewriter



Netherlands

(Q121 = 47)

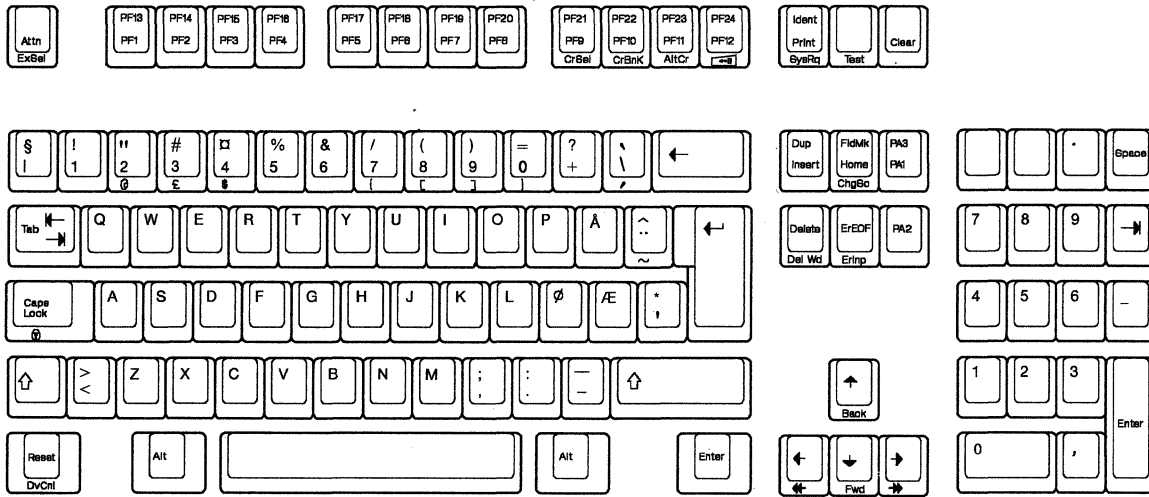
Typewriter



Norwegian

(Q121 = 23)

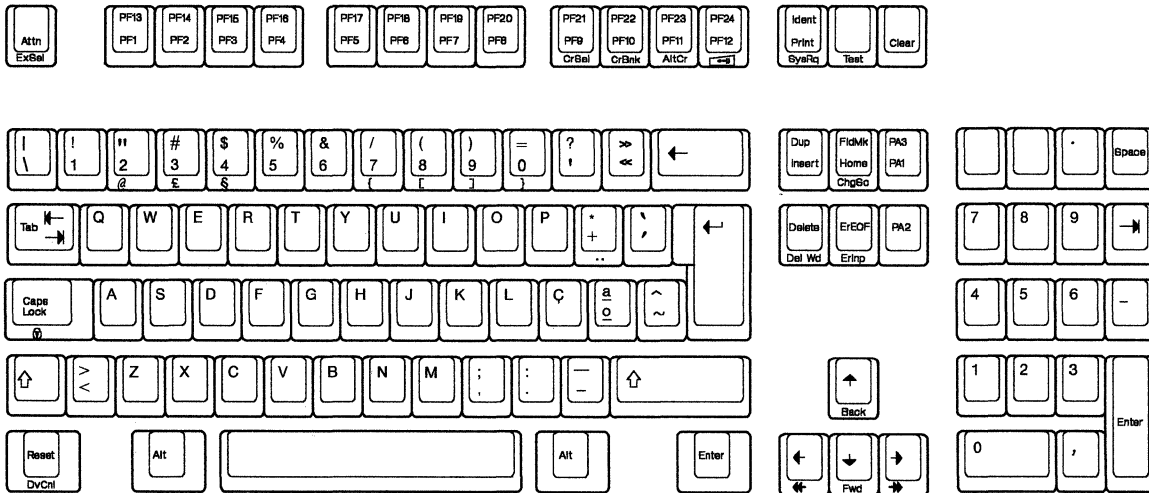
Typewriter



Portuguese

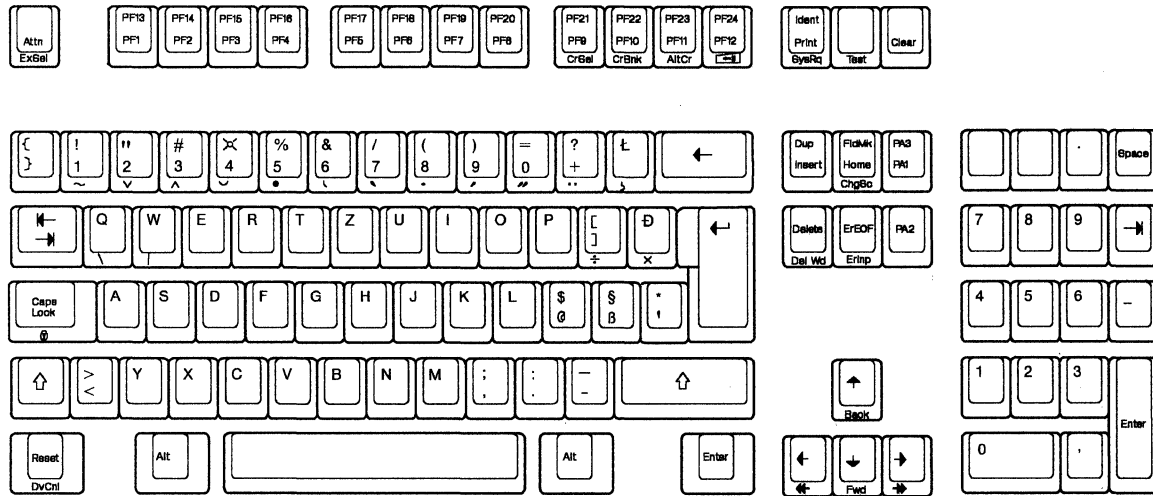
(Q121 = 28)

Typewriter

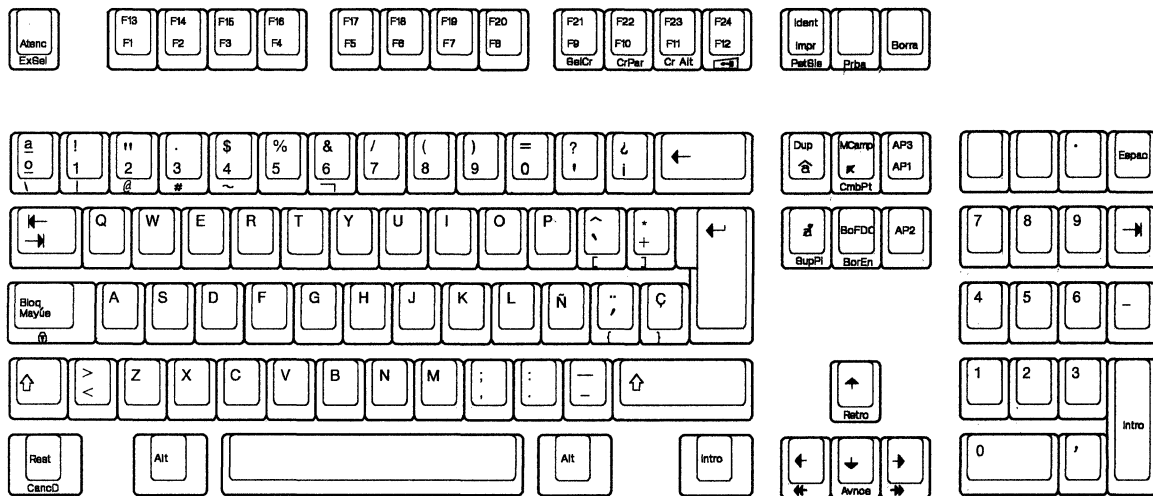


ROECE Latin

(Q121 = 38)

Typewriter**Spanish**

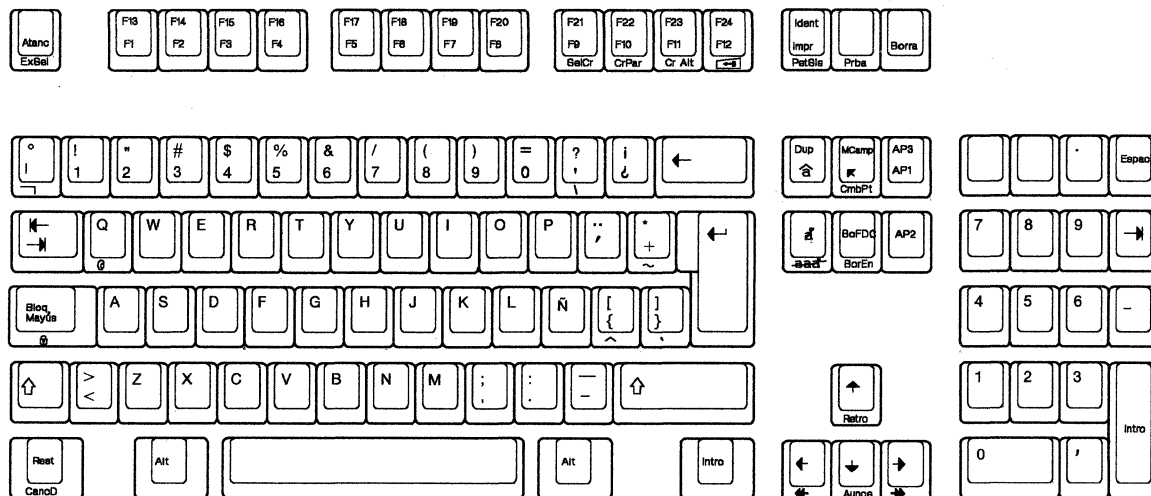
(Q121 = 19)

Typewriter

Spanish-Speaking

(Q121 = 21)

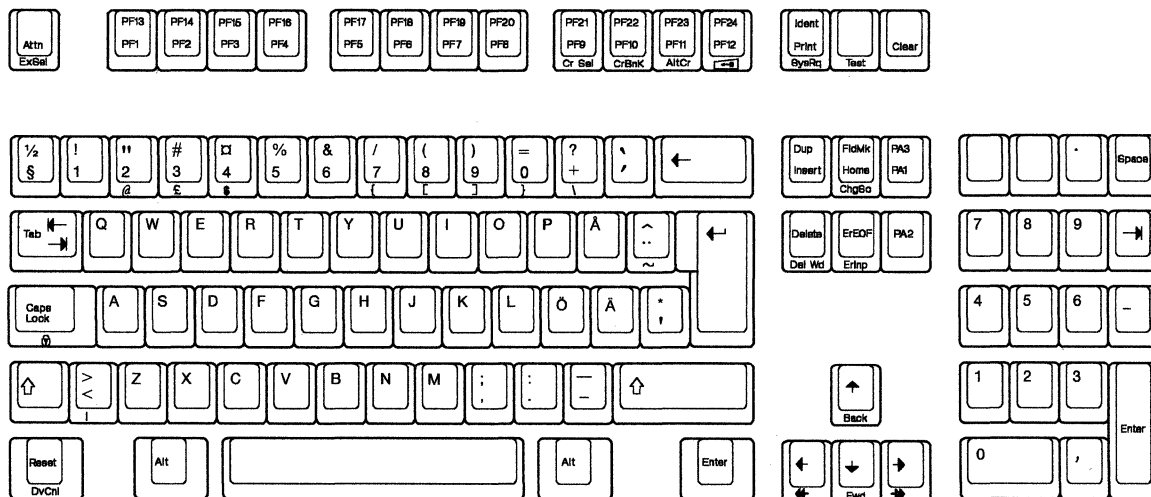
Typewriter



Swedish

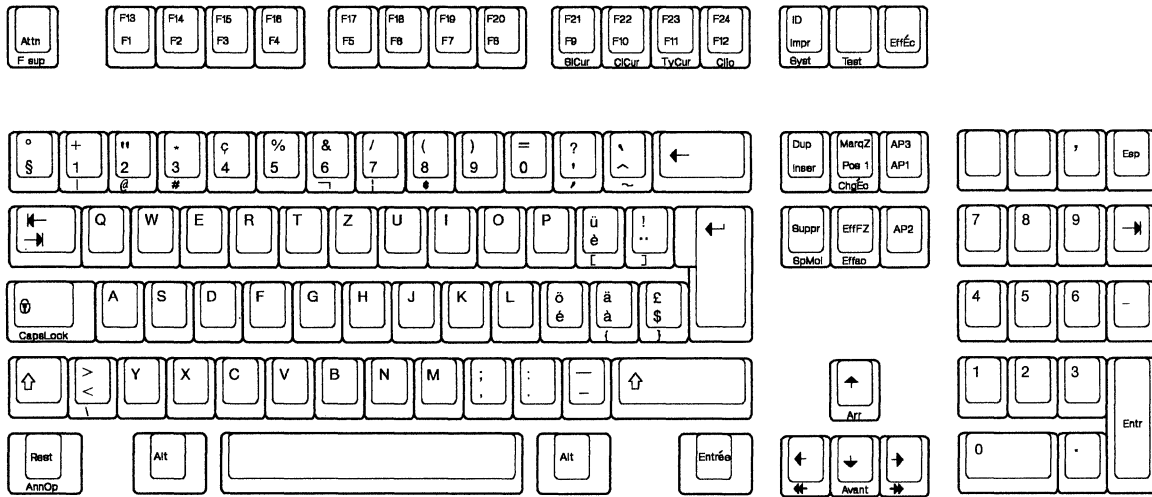
(Q121 = 24)

Typewriter

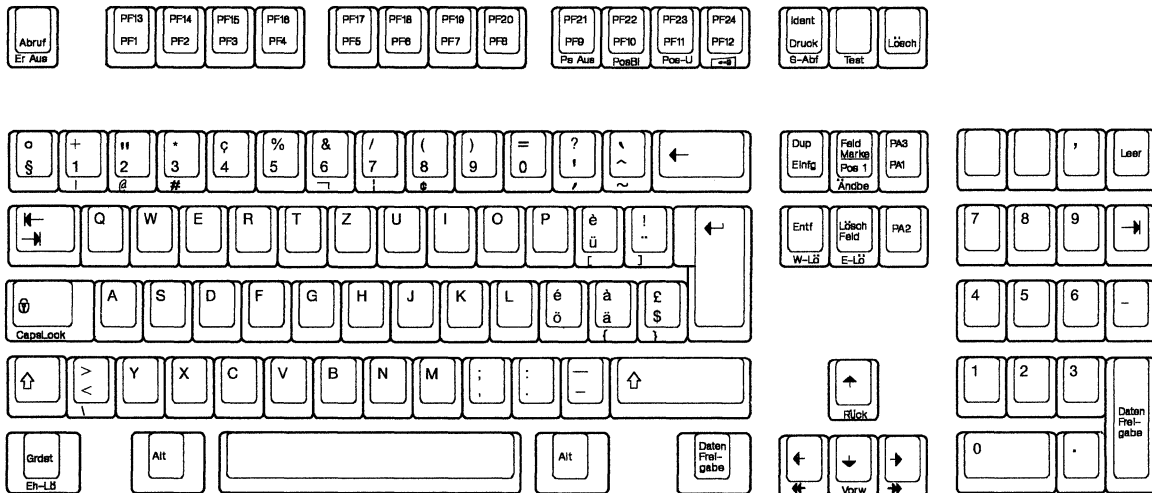


Swiss-French (New)

(Q121 = 41)

Typewriter**Swiss-German (New)**

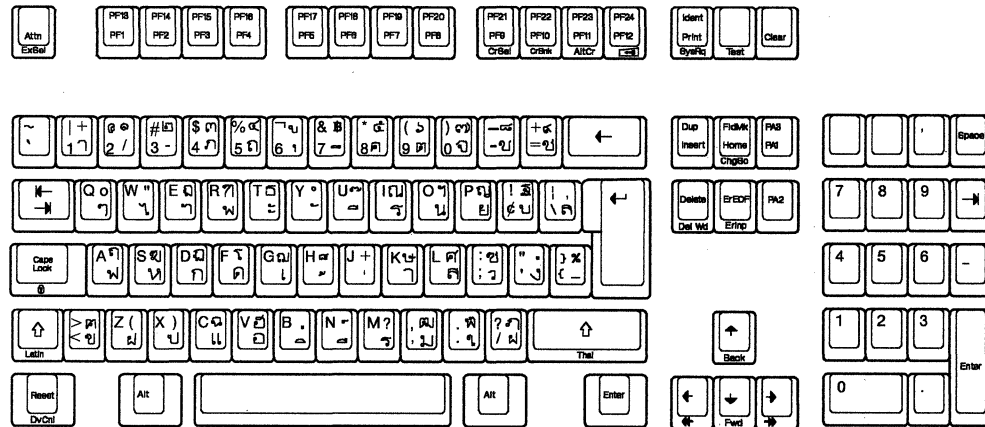
(Q121 = 42)

Typewriter

Thai

(Q121 = 46)

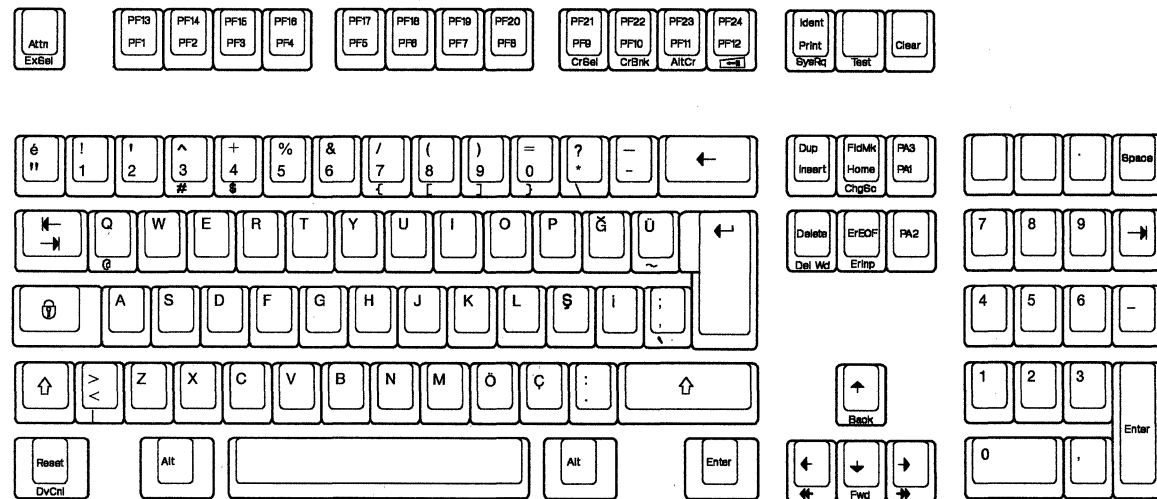
Typewriter



Turkish

(Q121 = 39)

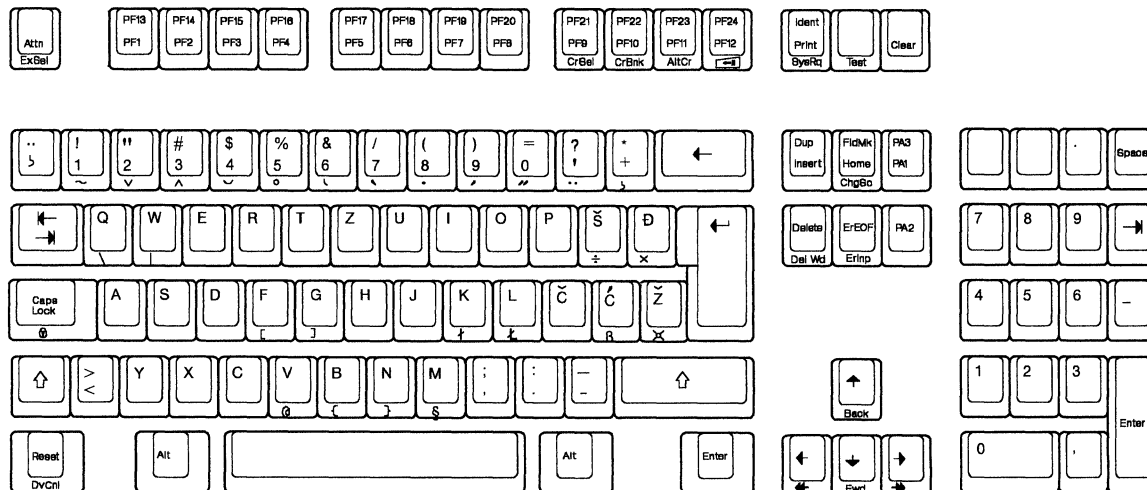
Typewriter



Yugoslav

(Q121 = 40)

Typewriter



Chapter 5. 3270 Display Station and Printer Code Page Charts

This chapter contains charts of the code pages that support the various 3270 keyboards and printers associated with the 3174 Controller, both in the United States and in other countries.

Each Country Extended Code Page (CECP) supported code page chart contains shaded and outlined sections. The lighter shaded sections highlight the subset of characters that make up the base character set code points. The sections that are outlined and have the darker shading represent the synonyms for each code page. Position FF is blackened out on each code page because it is not for use in this context.

Notes:

1. In the code page charts in this chapter, if the country does not support CECP, only the subset base character set is shown.
2. Disregard the 8-digit alphanumeric label under each character in the code page charts. This label is only for character identification.

Code Pages

Be aware that the exact shapes of the characters shown in the following code pages may vary slightly from those you see displayed or printed depending on how your display or printer forms the characters.

Note: For CECP countries, when the Acute, Grave, Circumflex, Diaresis, Cedilla, and Degree/Overcircle accents are added to a Typewriter or APL keyboard, they become “non-escaping keys”. A non-escaping key is a key that allows a character to be typed without the imprint position being changed. These keys are intended to be combined with other characters in a two-keystroke sequence to create accented characters. If the accent is to be used by itself, the two-keystroke sequence **must** be the accent and space.

Coded Graphic Character Set Global Identifier (CGCSGID)

Use this table in conjunction with the Query Reply (Character Sets) Structured Field. See the 3174 *Functional Description*, GA23-0218 for details.

CGCSGID (Hex)	CGCSGID (Decimal)			Language
	CECP Char. Set	Base Char. Set	Code Page Number	
0065 0025		101	037	EBCDIC (WT), English (U.S.), and Netherlands
0067 0026		103	038	English (U.S.) ASCII-International
0067 016F		103	367	English (U.S.) ASCII-7 and ASCII-8
0067 01F4		103	500	International
0109 0111		265	273	Austrian/German
010D 0112		269	274	Belgian
0111 0113		273	275	Brazilian
011D 0116		285	278	Finnish and Swedish
0119 0115		281	277	Danish and Norwegian
0125 0118		293	280	Italian
0129 0119		297	281	Japanese English
0135 011C		309	284	Spanish-Speaking
0139 011D		313	285	English (U.K.)
014C 0122		332	290	Japanese Katakana
017E 0136		382	310	APL
028A 011C		650	284	Spanish
02B9 0025	697		037	Canadian Bilingual, English (U.S.), Netherlands, and Portuguese
02B9 01F4	697		500	Swiss-French, Swiss-German, and Belgian (New)
02B9 011C	697		284	Spanish and Spanish-Speaking
02B9 011D	697		285	English (U.K.)
02B9 0111	697		273	Austrian/German
02B9 0115	697		277	Danish and Norwegian
02B9 0116	697		278	Finnish and Swedish
02B9 0118	697		280	Italian
02B9 0129	697		297	French
03AA 0346		938	838	Thai
03C3 0136		963	310	APL2
038C 01F4		908	500	Swiss-French and Swiss-German
0389 0025		905	037	Canadian Bilingual
045A 0025		1114	037	Portuguese
045A 01F4		1114	500	Belgian (New)
0464 01A7		1124	423	Greek
0465 0370		1125	880	Cyrillic
0466 0367		1126	871	Icelandic
0467 0389		1127	905	Turkish
0468 0366		1128	870	ROECE and Yugoslav
0469 0129		1129	297	French

Character Set 697: Versions 0 and 1

Character Set 697-0

Version 0 of character set 697 is shown below. All Release 3.0 printers support this character set. CECIP support includes character set 697 plus a space. The space is not represented below.

A LA020000	B LB020000	C LC020000	D LD020000	E LE020000	F LF020000	G LG020000	H LH020000	I LI020000	J LJ020000	K LK020000	L LL020000	M LM020000
N LN020000	O LO020000	P LP020000	Q LQ020000	R LR020000	S LS020000	T LT020000	U LU020000	V LV020000	W LW020000	X LX020000	Y LY020000	Z LZ020000
a LA010000	b LB010000	c LC010000	d LD010000	e LE010000	f LF010000	g LG010000	h LH010000	i LI010000	j LJ010000	k LK010000	l LL010000	m LM010000
n LN010000	o LO010000	p LP010000	q LQ010000	r LR010000	s LS010000	t LT010000	u LU010000	v LV010000	w LW010000	x LX010000	y LY010000	z LZ010000
Á LA120000	À LA140000	Â LA160000	Ä LA180000	Ã LA200000	Å LA280000	Æ LA520000	Ç LC420000	Ð LD620000	É LE120000	È LE140000	Ê LE160000	Ë LE180000
Í LI120000	Ì LI140000	Î LI160000	Ï LI180000	Ñ LN200000	Ó LO120000	Ò LO140000	Ô LO160000	Ö LO180000	Õ LO200000	Ø LO620000	Þ LT640000	Ú LU120000
Û LU140000	Ü LU160000	Û LU180000	Ý LY120000									
á LA110000	à LA130000	â LA150000	ä LA170000	ã LA190000	å LA270000	æ LA510000	ç LC410000	ð LD630000	é LE110000	è LE130000	ê LE150000	ë LE170000
í LI110000	ì LI130000	î LI150000	ï LI170000	ï LI610000	ñ LN190000	ó LO110000	ò LO130000	ô LO150000	ö LO170000	õ LO190000	ø LO610000	ß LS610000
þ LT630000	ú LU110000	ù LU130000	û LU150000	ü LU170000	ý LY110000	ÿ LY170000						
0 ND100000	1 ND010000	2 ND020000	3 ND030000	4 ND040000	5 ND050000	6 ND060000	7 ND070000	8 ND080000	9 ND090000			
² ND021000	³ ND031000	½ NF010000	¼ NF040000	¾ NF050000	+ SA010000	± SA020000	< SA030000	= SA040000	> SA050000	× SC010000	£ SC020000	\$ SC030000
¢ SC040000	¥ SC050000	f SC070000	' SD110000	` SD130000	^ SD150000	¨ SD170000	~ SD190000	, SD410000	. SD630000	# SM010000	% SM020000	& SM030000
* SM040000	@ SM050000	[SM060000	\ SM070000	] SM080000	= SM100000	{ SM110000	 SM130000	} SM140000	- SM150000	μ SM170000	° SM190000	º SM200000
ª SM210000	§ SM240000	¶ SM250000	® SM530000	! SM650000	¬ SM660000	! SP020000	¡ SP030000	" SP040000	' SP050000	(SP060000	) SP070000	, SP080000
— SP090000	- SP100000	. SP110000	/ SP120000	: SP130000	; SP140000	? SP150000	¿ SP160000	« SP170000	» SP180000	RSP SP300000	NS SP310000	SHY SP320000

Legend:

NS numeric space

RSP required space

SHY syllable hyphen

Character Set 697

Character Set 697-1

Version 1 of character set 697 is shown below. All Release 3.0 displays and 3174 Control Units support this character set. CECF support includes character set 697 plus a space. The space is not represented below.

A LA020000	B LB020000	C LC020000	D LD020000	E LE020000	F LF020000	G LG020000	H LH020000	I LI020000	J LJ020000	K LK020000	L LL020000	M LM020000
N LN020000	O LO020000	P LP020000	Q LQ020000	R LR020000	S LS020000	T LT020000	U LU020000	V LV020000	W LW020000	X LX020000	Y LY020000	Z LZ020000
a LA010000	b LB010000	c LC010000	d LD010000	e LE010000	f LF010000	g LG010000	h LH010000	i LI010000	j LJ010000	k LK010000	l LL010000	m LM010000
n LN010000	o LO010000	p LP010000	q LQ010000	r LR010000	s LS010000	t LT010000	u LU010000	v LV010000	w LW010000	x LX010000	y LY010000	z LZ010000
Á LA120000	Â LA140000	Ã LA160000	Ä LA180000	Å LA200000	Æ LA280000	Ç LA520000	Ð LC420000	É LD620000	È LE120000	Ê LE140000	Ë LE160000	Ï LE180000
Í LI120000	Ì LI140000	Î LI160000	Ï LI180000	Ñ LN200000	Ó LO120000	Ô LO140000	Õ LO160000	Ö LO180000	Ø LO200000	Þ LO620000	Ú LT640000	Û LU120000
Ü LU140000	Û LU160000	Ü LU180000	Ý LY120000									
á LA110000	à LA130000	â LA150000	ä LA170000	å LA190000	æ LA270000	ç LA510000	ð LC410000	é LD630000	è LE110000	ê LE130000	ë LE150000	ï LE170000
í LI110000	ì LI130000	î LI150000	ï LI170000	ñ LN190000	ó LO110000	ô LO130000	õ LO150000	ö LO170000	ø LO190000	þ LO610000	ú LS610000	û LT630000
ú LU110000	ù LU130000	û LU150000	ü LU170000	ý LY110000	ÿ LY170000							
0 ND100000	1 ND010000	2 ND020000	3 ND030000	4 ND040000	5 ND050000	6 ND060000	7 ND070000	8 ND080000	9 ND090000			
1 ND011000	2 ND021000	3 ND031000	½ NF010000	¼ NF040000	¾ NF050000	+ SA010000	± SA020000	< SA030000	= SA040000	> SA050000	÷ SA060000	× SA070000
☒ SC010000	£ SC020000	\$ SC030000	¢ SC040000	¥ SC050000	' SD110000	` SD130000	^ SD150000	¨ SD170000	~ SD190000	, SD410000	• SD630000	# SM010000
% SM020000	& SM030000	* SM040000	@ SM050000	[SM060000	\ SM070000	] SM080000	{ SM110000	 SM130000	} SM140000	— SM150000	μ SM170000	° SM190000
o SM200000	a SM210000	§ SM240000	¶ SM250000	© SM520000	® SM530000	! SM650000	¬ SM660000	! SP020000	¡ SP030000	" SP040000	' SP050000	(SP060000
) SP070000	, SP080000	— SP090000	- SP100000	. SP110000	/ SP120000	: SP130000	; SP140000	? SP150000	¿ SP160000	« SP170000	» SP180000	RSP SP300000
SHY SP320000												

Legend:

RSP required space

SHY syllable hyphen

APL/APL2 Text Feature Code Page

Code page number = 310; APL – Base character set = 382; APL2 – Base character set = 963.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000			◊ SL370000	~ SL460000	◻ SL360000	— SL630000	α SL710000	{ SM110000	}	≡ SL300000	0 ND101000
-1	A LA480000	J LJ480000		^ SL510000	 SF630000	■ SF580000	° SM190000	€ SL720000	(SP061000	) SP070000	1 ND012000	1 ND011000
-2	B LB480000	K LK480000	S LS480000	.. SL450000	— SF620000	■ SF590000	— SF100000	l SL730000	+	— SA011000	2 ND022000	2 ND021000
-3	C LC480000	L LL480000	T LT480000	◻ SL270000	 SF640000	■ SF600000	• SM570000	ρ SL740000	■ SM470000	+	3 ND032000	3 ND031000
-4	D LD480000	M LM480000	U LU480000	l SL860000	 SF650000	■ SF570000	n LN012000	ω SL750000	L SF020000	┘ SF040000		4 ND041000
-5	E LE480000	N LN480000	V LV480000	€ SL870000	 SF660000	■ SF610000			┐ SF010000	┘ SF030000		5 ND051000
-6	F LF480000	O LO480000	W LW480000	└ SL340000				×	└ SL550000	┘ SF080000		6 ND061000
-7	G LG480000	P LP480000	X LX480000	└ SL350000				\	└ SL640000	┘ SF070000		7 ND071000
-8	H LH480000	Q LQ480000	Y LY480000	√ SL500000				÷ SL540000	§ SM240000	π SM250000		8 ND081000
-9	I LI480000	R LR480000	Z LZ480000									9 ND091000
-A					↑ SL610000	┘ SL430000	∩ SL400000	∇ SL030000	★ SL170000	┐ SL240000	÷ SL150000	
-B					↓ SL620000	┘ SL420000	∪ SL410000	Δ SL060000	✕ SL180000	! SL580000	┘ SL160000	▽ SL040000
-C					≤ SL560000	◻ SM490000	└ SL230000	┘ SL220000	◻ SL260000	∇ SL050000	∴ SL320000	△ SL330000
-D					┐ SL010000	○ SL080000	[SL770000	] SL780000	φ SL090000	↑ SL070000	⊖ SL120000	⊕ SL110000
-E					└ SL020000	± SA020000	≥ SL570000	≠ SL820000	◻ SL280000	┘ SL130000	÷ SL140000	⊕ SL190000
-F					→ SL600000	← SL590000	° SL250000	 SL380000	◊ SL100000	◊ SL210000	◊ SL200000	

Notes:

1. The codes shown in the code page above, each preceded by a Graphic Escape (X'08') control character, send the graphics shown.
2. Code page assignments other than those shown are undefined. If an undefined code is programmed, it is displayed as a hyphen (-) (X'60'). The control unit will return the hyphen, not the original code, during a later read operation.
3. The characters shown with blackened upper-left corners are APL2 characters only.

Control Character Assignments (EBCDIC)

Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-			F-
-0	NUL												
-1		SBA											
-2		EUA											
-3		IC											
-4													
-5	PT	NL											
-6													
-7													
-8	GE		SA										
-9		EM	SFE										
-A													
-B													
-C	FF	DUP	MF	RA									
-D	CR	SF											
-E		FM											
-F				SUB									

Note: ASCII control characters assignments are shown in the "English (US) ASCII-7 Code Page" and in the "English (US) ASCII-8 Code Page."

Austrian/German Code Page

(Q121 = 03)

Code page number = 273/1; CECF character set = 697/1; Base character set = 265.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	ä LA170000	ü LU170000	Ö LO180000	0 ND010000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	β LS610000	£ SC020000	À LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	{ SM110000	ë LE170000	[SM060000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	@ SM050000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	~ SD190000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	Ä LA180000	Ü LU180000	ö LO170000	: SP130000	« SP170000	ª SM210000	ï SP030000	¬ SM660000	SHY SP320000	¹ ND011000	² ND021000	³ ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	§ SM240000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	¡ SM650000	}	\	]
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Belgian Code Page

Belgian Code Page

(Q121 = 04)

Code page number = 274/1; Base character set = 269.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						é LE110000	è LE130000	ç LC410000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	.. SD170000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	ù LU130000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	à LA130000								
-D	(SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	! SP020000	^ SD150000	? SP150000	" SP040000								

Legend:

SP space

Belgian (New) Code Page

(Q121 = 43)

Code page number = 500/1; CECP character set = 697/1; Base character set = 1114.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	â LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	l LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	ı SM650000	: SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Ï LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Brazilian Code Page

Brazilian Code Page

(Q121 = 05)

Code page number = 275/1; Base character set = 273.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						õ LO190000	é LE110000	\ SM070000	0 ND100000
-1		/ SP120000			a LA010000	j LJ010000	~ SD190000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				ã LA190000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	É LE120000	\$ SC030000	ç LC410000	: SP130000								
-B	. SP110000	Ç LC420000	, SP080000	Õ LO200000								
-C	< SA030000	* SM040000	% SM020000	Ã LA200000								
-D	(SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	! SP020000	^ SD150000	? SP150000	" SP040000								

Legend:
SP space

Canadian Bilingual Code Page

(Q121 = 29)

Code page number = 037/1; CECp character set = 697/1; Base character set = 905.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	^ SD150000	{ SM110000	}	\	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	ç SC040000	! SP020000	¡ SM650000	: SP130000	« SP170000	ª SM210000	ï SP030000	[SM060000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	ö LO160000	ü LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ù LU170000	ö LO180000	ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ú LU130000	ö LO140000	ü LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	ó LO120000	ü LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Cyrillic Code Page

(Q121 = 35)

Code page number = 880; Base character set = 1125.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	Ь KN120000	Ц KC010000	Й KJ110000	Я KA150000	Ь KX110000			\ SM070000	0 ND100000
-1		Љ KL410000	/ SP120000	Ѡ KC120000	а LA010000	ј LJ010000		Ы KY010000	А LA020000	Ј LJ020000	Ѳ SC010000	1 ND010000
-2	ђ KD610000	Ь KN110000	ѓ KG120000	Ќ KK120000	б LB010000	к LK010000	ѕ LS010000	з KZ010000	В LB020000	К LK020000	Ѕ LS020000	2 ND020000
-3	ѓ KG110000	ђ KC110000	Ѓ KE180000		с LC010000	І LL010000	т LT010000	Ш KS210000	С LC020000	Л LL020000	Т LT020000	3 ND030000
-4	ё KE170000	Ќ KK110000			д LD010000	м LM010000	у LU010000	э KE130000	Д LD020000	М LM020000	У LU020000	4 ND040000
-5			Ѕ KZ160000	Ц KG220000	е LE010000	п LN010000	в LV010000	Щ KS150000	Е LE020000	Н LN020000	В LV020000	5 ND050000
-6	ѕ KZ150000	Ц KG210000	І KI120000	Ю KU150000	ф LF010000	о LO010000	w LW010000	ч KC210000	Ф LF020000	О LO020000	W LW020000	6 ND060000
-7	і KI110000	Љ KU220000	Ї KI180000	а KA010000	g LG010000	р LP010000	х LX010000	Љ KU210000	Г LG020000	Р LP020000	Х LX020000	7 ND070000
-8	ї KI170000	Њ SM000000	Ј KJ020000	б KB010000	h LH010000	q LQ010000	у LY010000	Ю KU160000	Н LH020000	Q LQ020000	У LY020000	8 ND080000
-9	ј KJ010000	Љ KD620000	Љ KL420000		і LI010000	р LR010000	z LZ010000	А KA020000	І LI020000	Р LR020000	З LZ020000	9 ND090000
-A	[SM060000	] SM080000	 SM130000	:SP130000	Д KD010000	К KK010000	Р KR010000	Б KB020000	Х KH020000	Н KN020000	Т KT020000	З KZ020000
-B	.SP110000	\$ SC030000	, SP080000	# SM010000	е KE010000	Л KL010000	с KS010000	Ц KC020000	И KI020000	О KO020000	У KU020000	Ш KS220000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	Ф KF010000	М KM010000	Т KT010000	Д KD020000	Й KJ120000	П KP020000	Ж KZ220000	Э KE140000
-D	(SP060000	) SP070000	— SP090000	' SP050000	Г KG010000	Н KN010000	у KU010000	Е KE020000	К KK020000	Я KA160000	В KV020000	Щ KS160000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	х KH010000	О KO010000	Ж KZ210000	Ф KF020000	Л KL020000	Р KR020000	Ь KX120000	Ч KC220000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	И KI010000	П KP010000	В KV010000	Г KG020000	М KM020000	С KS020000	Ы KY020000	

Note: Characters A through Z (C1 through C9, D1 through D9, and E2 through E9) are Latin characters.**Legend:****RSP** required space**SP** space

Danish Code Page

(Q121 = 07)

Code page number = 277/1; CECF character set = 697/1; Base character set = 281.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ı SM650000	@ SM050000	° SM190000	μ SM170000	¢ SC040000	æ LA510000	å LA270000	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	ü LU170000	£ SC020000	À LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	}	ï LI170000	\$ SC030000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	# SM010000	◊ SC010000	ø LO610000	ː SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	Å LA280000	, SP080000	Æ LA520000	» SP180000	º SM200000	ı SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	Ø LO620000	ð LD630000	{ SM110000	Ð LD620000	- SM150000	ö LO170000	~ SD190000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	. SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Û LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	[SM060000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	] SM080000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

EBCDIC (WT) Code Page

(Q121 = 25)

Code page number = 037/1; Base character set = 101.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000						{ SM110000	} SM140000	\ SM070000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	~ SD190000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				\ SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	¢ SC040000	! SP020000	¡ SM650000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	@ SM050000								
-D	(SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	 SM130000	¬ SM660000	? SP150000	" SP040000								

Legend:

SP space

English (UK) Code Page

(Q121 = 22)

Code page number = 285/1; CECF character set = 697/1; Base character set = 313.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	- SM150000	[SM060000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	\$ SC030000	! SP020000	¡ SM650000	: SP130000	« SP170000	ª SM210000	í SP030000	^ SD150000	SHY SP320000	¹ ND011000	² ND021000	³ ND031000
-B	· SP110000	£ SC020000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	~ SD190000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

English (US) Code Page

(Q121 = 01)

Code page number = 037/1; CECp character set = 697/1; Base character set = 101.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	^ SD150000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	â LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	ç SC040000	! SP020000	! SM650000	: SP130000	« SP170000	ª SM210000	¡ SP030000	[SM060000	SHY SP320000	¹ ND011000	² ND021000	³ ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	— SM150000	ö LO170000	ü LU170000	ö LO180000	ü LU180000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	ò LO140000	ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	ó LO120000	ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	ö LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

English (US) ASCII-7 Code Page

(Q121 = 02)

Code page number = 367; Base character set = 103.

Hex Digits 1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-
-0	NUL		SP SP100000	0 ND100000	@ SM050000	P LP020000	` SD130000	p LP010000
-1		SBA SP020000	! SP040000	1 ND010000	A LA020000	Q LQ020000	a LA010000	q LQ010000
-2		EUA SP040000	" SP040000	2 ND020000	B LB020000	R LR020000	b LB010000	r LR010000
-3		IC SM010000	# SM010000	3 ND030000	C LC020000	S LS020000	c LC010000	s LS010000
-4		RA SC030000	\$ SC030000	4 ND040000	D LD020000	T LT020000	d LD010000	t LT010000
-5			% SM020000	5 ND050000	E LE020000	U LU020000	e LE010000	u LU010000
-6			& SM030000	6 ND060000	F LF020000	V LV020000	f LF010000	v LV010000
-7			' SP050000	7 ND070000	G LG020000	W LW020000	g LG010000	w LW010000
-8			(SP060000	8 ND080000	H LH020000	X LX020000	h LH010000	x LX010000
-9	PT	EM	) SP070000	9 ND090000	I LI020000	Y LY020000	i LI010000	y LY010000
-A	NL		* SM040000	: SP130000	J LJ020000	Z LZ020000	j LJ010000	z LZ010000
-B			+ SA010000	; SP140000	K LK020000	[SM060000	k LK010000	{ SM110000
-C	FF	DUP	, SP080000	< SA030000	L LL020000	\ SM070000	 LL010000	 SM130000
-D	CR	SF	- SP100000	= SA040000	M LM020000	] SM080000	m LM010000	} SM140000
-E		FM	. SP110000	> SA050000	N LN020000	^ SD150000	n LN010000	~ SD190000
-F			/ SP120000	? SP150000	O LO020000	_ SP090000	o LO010000	

Note: The vertical bar at code point X'7C' will be displayed or printed as a split vertical bar (|).**Legend:**

SP space

Code page number = 367; Base character set = 103.

Hex Digits												F-
1st → 2nd ↓	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-		
-0	NUL		SP SP010000	0 ND100000	@ SM050000	P LP020000	` SD130000	p LP010000				
-1		SBA SP020000	! ND010000	1 LA020000	A LQ020000	Q LA010000	a LQ010000	q				
-2		EUA SP040000	" ND020000	2 LB020000	B LR020000	R LB010000	b LR010000	r				
-3		IC SM010000	# ND030000	3 LC020000	C LS020000	S LC010000	c LS010000	s				
-4		RA SC030000	\$ ND040000	4 LD020000	D LT020000	T LD010000	d LT010000	t				
-5			% SM020000	5 NE020000	E LU020000	U LE010000	e LU010000	u	NL			
-6			& SM030000	6 NF020000	F LV020000	V LF010000	f LV010000	v				
-7			' SP050000	7 NG020000	G LW020000	W LG010000	w LW010000	w		GE		
-8			(SP060000	8 NH020000	H LX020000	X LH010000	x LX010000	x	SA			
-9	PT	EM SP070000	) ND090000	9 LI020000	I LY020000	Y LI010000	i LY010000	y	SFE			
-A		SUB SM040000	* SP130000	: LJ020000	J LZ020000	Z LJ010000	j LZ010000	z				
-B			+ SA010000	;~ SP140000	K LK020000	[SM060000	k LK010000	{				
-C	FF	DUP SP080000	, SA030000	<~ LL020000	L SM070000	\~ LL010000	 SM130000		MF			
-D	CR	SF SP100000	- SA040000	=~ LM020000	M SM080000	]~ LM010000	m SM140000	}				
-E		FM SP110000	. SA050000	>~ LN020000	N SD150000	^~ LN010000	n SD190000	~				
-F			/~ SP120000	? SP150000	O LO020000	_~ SP090000	o LO010000					

Legend:
SP space

English (US) ASCII-International Code Page

(Q121 = 33)

Code page number = 038; Base character set = 103.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						{ SM110000	} SM140000	\ SM070000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	~ SD190000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	 SM130000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	@ SM050000								
-D	(SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	! SP020000	^ SD150000	? SP150000	" SP040000								

Note: The vertical bar at code point X'6A' will be displayed or printed as a split vertical bar (|).**Legend:****SP** space

Finnish Code Page

(Q121 = 09)

Code page number = 278/1; CECF character set = 697/1; Base character set = 285.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	ä LA170000	å LA270000	É LE120000	0 ND100000
-1	RSP SP300000	` SD130000	/ SP120000	\ SM070000	a LA010000	j LJ010000	ü LU170000	£ SC020000	À LA020000	Å LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	{ SM110000	ë LE170000	# SM010000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	[SM060000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	}	ï LI170000	\$ SC030000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	é LE110000	ì LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	§ SM240000	◊ SC010000	ö LO170000	;	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	Å LA280000	· SP080000	Ä LA180000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ö LO180000	ö LD630000	æ LA510000	Ð LD620000	- SM150000	 SM650000	~ SD190000	@ SM050000	Ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	] SM080000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

French Code Page

(Q121 = 30)

Code page number = 297/1; CECF character set = 697/1; Base character set = 1129.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	[SM060000	` SD130000	ç SC040000	é LE110000	è LE130000	ç LC410000	0 ND100000
-1	RSP SP300000	{ SM110000	/ SP120000	É LE120000	a LA010000	j LJ010000	.. SD170000	# SM010000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	@ SM050000	} SM140000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	] SM080000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	\ SM070000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	μ SM170000	í LI010000	r LR010000	z LZ010000	¾ NF050000	l LI020000	R LR020000	Z LZ020000	9 ND090000
-A	° SM190000	§ SM240000	ù LU130000	:	« SP170000	ª SM210000	ï SP030000	¬ SM660000	SHY SP320000	¹ ND011000	² ND021000	³ ND031000
-B	· SP110000	\$ SC030000	, SP080000	£ SC200000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	à LA130000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ú LU170000	ö LO180000	ú LU180000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	~ SD190000	ò LO130000	í SM650000	ò LO140000	ú LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	ó LO120000	ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Greek Code Page

(Q121 = 36)

Code page number = 423; Base character set = 1124.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000		Ä LA180000	Ö LO180000	Ü LU180000		ς SD410000	' SD110000	° SM190000	0 ND100000
-1	A GA020000	K GK020000	/ SP120000	Α GA120000	a LA010000	j LJ010000	“ SD170000	ά GA110000	A LA020000	J LJ020000		1 ND010000
-2	B GB020000	Λ GL020000	T GT020000	Ε GE120000	b LB010000	k LK010000	s LS010000	έ GE110000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	Γ GG020000	M GM020000	Υ GU020000	Η GE720000	c LC010000	l LL010000	t LT010000	ή GE710000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	Δ GD020000	N GN020000	Φ GF020000		d LD010000	m LM010000	u LU010000	ï GI170000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	E GE020000	Ξ GX020000	Χ GH020000	Ι GI120000	e LE010000	n LN010000	v LV010000	ί GI110000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	Z GZ020000	O GO020000	Ψ GP620000	Ο GO120000	f LF010000	o LO010000	w LW010000	ό GO110000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	H GE320000	Π GP020000	Ω GO320000	Υ GU120000	g LG010000	p LP010000	x LX010000	ύ GU110000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	Θ GT620000	P GR020000		Ω GO720000	h LH010000	q LQ010000	y LY010000	ü GU170000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	I GI020000	Σ GS020000		` SD130000	i LI010000	r LR010000	z LZ010000	ώ GO710000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000		: SP130000	α GA010000	η GE310000	ν GN010000	ς GS610000		± SA020000	½ NF010000	ÿ LY170000
-B	. SP110000	\$ SC030000	, SP080000	£ SC020000	β GB010000	ρ GT610000	ξ GX010000	τ GT010000	ω GO310000	é LE110000	ö LO170000	ç LC410000
-C	< SA030000	* SM040000	% SM020000	§ SM240000	γ GG010000	ι GI010000	ο GO010000	υ GU010000	â LA150000	è LE130000	ô LO150000	Ç LC420000
-D	(SP060000	) SP070000	— SP090000	' SP050000	δ GD010000	κ GK010000	π GP010000	φ GF010000	à LA130000	ë LE170000	û LU150000	
-E	+ SA010000	; SP140000	> SA050000	= SA040000	ε GE010000	λ GL010000	ρ GR010000	χ GH010000	ä LA170000	î LI150000	ù LU130000	
-F	! SP020000	^ SD150000	? SP150000	" SP040000	ζ GZ010000	μ GM010000	σ GS010000	ψ GP610000	ê LE150000	ï LI170000	ü LU170000	

Note: Characters A through Z (C1 through C9, D1 through D9, and E2 through E9) are Latin characters.**Legend:****SP** space

Icelandic Code Page

(Q121 = 37)

Code page number = 871/1; Base character set = 1126

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	þ LT630000	æ LA510000	' SD110000	0 ND100000
-1		é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	ö LO010000	£ SC020000	A LA020000	J LJ020000		1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	. SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000		Î LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	Đ LD630000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	þ LT640000	Æ LA520000	 SM650000	: SP130000	« SP170000	 SM210000	ı SP030000	┐ SM660000			2 ND021000	3 ND031000
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	 SM200000	ı SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ð LD620000	` SD130000	} SM140000	@ SM050000	- SM150000	~ SD190000	ü LU170000	^ SD150000	Ü LU180000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	 SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	
-E	+ SA010000	; SP140000	> SA050000	= SA040000	{ SM110000	] SM080000	[SM060000	\ SM070000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	Ö LO180000	? SP150000	" SP040000	± SA020000	⌘ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000		

Legend:

SP space

International Code Page

(Q121 = 14)

Code page number = 500/1; Base character set = 103.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						{ SM110000	} SM140000	\ SM070000	0 ND100000
-1		/ SP120000			a LA010000	j LJ010000	~ SD190000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	 SM650000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	@ SM050000								
-D	(SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	! SP020000	^ SD150000	? SP150000	" SP040000								

Legend:

SP space

Italian Code Page

(Q121 = 15)

Code page number = 280/1; CECp character set = 697/1; Base character set = 293.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	[SM060000	μ SM170000	¢ SC040000	à LA130000	è LE130000	ç LC410000	0 ND100000
-1	RSP SP300000	] SM080000	/ SP120000	É LE120000	a LA010000	j LJ010000	ì LI130000	# SM010000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	{ SM110000	} SM140000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	@ SM050000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	\ SM070000	~ SD190000	Ç LC420000	ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS100000	Ñ LN200000	ù LU130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	° SM190000	é LE110000	ò LO130000	: SP130000	« SP170000	ª SM210000	ï SP030000	¬ SM660000	SHY SP320000	¹ ND011000	² ND021000	³ ND031000
-B	· SP110000	\$ SC030000	, SP080000	£ SC020000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	§ SM240000	ð LD630000	æ LA510000	Ð LD620000	ˆ SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ı SM650000	˘ SD130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Ï LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Japanese English Code Page

(Q121 = 16)

Code page number = 281/1; Base character set = 297.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000						{ SM110000	} SM140000	\$ SC030000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	— SM150000		A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000		B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000		D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000		E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000		F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	£ SC020000	! SP020000	 SM650000	: SP130000								
-B	. SP110000	¥ SC050000	, SP080000	# SM010000								
-C	< SA030000	* SM040000	% SM020000	@ SM050000								
-D	(SP060000	) SP070000	— SP090000	' SP050000								
-E	+ SA010000	; SP140000	> SA050000	= SA040000								
-F	 SM130000	┐ SM660000	? SP150000	" SP040000								

Legend:

SP space

Japanese Katakana Code Page

(Q121 = 17)

Code page number = 290; Base character set = 332.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000			ソ JS500000					\$ SC030000	0 ND100000
-1	° JQ700000	エ JE010000	/ SP120000		ア JA000000	タ JT100000	ー SM150000		A LA020000	J LJ020000		1 ND010000
-2	「 JQ710000	人 JO010000			イ JI000000	チ JT200000	へ JH400000		B LB020000	K LK020000	S LS020000	2 ND020000
-3	」 JQ720000	マ JY110000			ウ JU000000	ツ JT300000	ホ JH500000		C LC020000	L LL020000	T LT020000	3 ND030000
-4	、 JQ730000	ユ JY310000			エ JE000000	テ JT400000	マ JM100000		D LD020000	M LM020000	U LU020000	4 ND040000
-5	・ JQ740000	ヨ JY510000			カ JO000000	ト JT500000	ミ JM200000		E LE020000	N LN020000	V LV020000	5 ND050000
-6	ヲ JW500000	ッ JT310000			カ JK100000	ナ JN100000	ム JM300000		F LF020000	O LO020000	W LW020000	6 ND060000
-7	ア JA010000				キ JK200000	ニ JN200000	メ JM400000		G LG020000	P LP020000	X LX020000	7 ND070000
-8	イ JI010000	ー JX700000			ク JK300000	ヌ JN300000	モ JM500000		H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ウ JU010000				ケ JK400000	ネ JN400000	ヤ JY100000		I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	£ SC020000	! SP020000		:	コ JK500000	ノ JN500000	ユ JY300000	レ JR400000				
-B	・ SP110000	¥ SC050000	,	# SM010000				ロ JR500000				
-C	< SA030000	* SM040000	% SM020000	@ SM050000	サ JS100000		ヨ JY500000	ワ JW100000				
-D	(SP060000	) SP070000	— SP090000	' SP050000	シ JS200000	ハ JH100000	ラ JR100000	ン JN000000				
-E	+	;	>	=	ス	ヒ	リ	〃				
-F		┐	?	"	セ	フ	ル	°				
	SM130000	SM660000	SP150000	SP040000	JS400000	JH300000	JR300000	JX720000				

Legend:

SP space

Netherlands Code Page

(Q121 = 47)

Code page number = 037/1; CECF character set = 697/1; Base character set = 101.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	^ SD150000	{ SM110000	}	\	0 ND100000
-1	RSP SP300000	é LE110000	/	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	ç SC040000	! SP020000	¡ SM650000	¿ SP130000	« SP170000	ª SM210000	¡ SP030000	[SM060000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Norwegian Code Page

(Q121 = 23)

Code page number = 277/1; CECp character set = 697/1; Base character set = 281.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	! SM650000	@ SM050000	° SM190000	μ SM170000	¢ SC040000	æ LA510000	å LA270000	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	ü LU170000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	}	ï LI170000	\$ SC030000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	´ SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	# SM010000	⊙ SC010000	ø LO610000	: SP130000	« SP170000	ª SM210000	ï SP030000	¬ SM660000	SHY SP320000	¹ ND011000	² ND021000	³ ND031000
-B	· SP110000	Å LA280000	, SP080000	Æ LA520000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ø LO620000	ø LD630000	{ SM110000	Ð LD620000	- SM150000	ö LO170000	~ SD190000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	— SP090000	´ SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Û LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	[SM060000	Þ LT640000	´ SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	] SM080000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Õ LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Portuguese Code Page

(Q121 = 28)

Code page number = 037/1; CECP character set = 697/1; Base character set = 1114.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	^ SD150000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	â LA270000	ï LI170000	Â LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	ç SC040000	! SP020000	¡ SM650000	: SP130000	« SP170000	ª SM210000	í SP030000	[SM060000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	] SM080000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	— SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Õ LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

ROECE Latin Code Page

(Q121 = 38)

Code page number = 870; Base character set = 1128.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	˘ SD210000	˘ SD230000	° SD270000	ą LA430000	· SD290000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	˜ SD190000	À LA440000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2					b LB010000	k LK010000	s LS010000	ž LZ290000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4		û LU270000	" SD250000	Û LU280000	d LD010000	m LM010000	u LU010000	Ž LZ300000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ă LA230000				f LF010000	o LO010000	w LW010000	ž LZ210000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	č LC210000	ĭ LL210000	Č LC220000	Ľ LL220000	g LG010000	p LP010000	x LX010000	ž LZ110000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	í LL110000	Ç LC420000	Ĺ LL120000	h LH010000	q LQ010000	y LY010000	Ž LZ220000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ć LC110000	β LS610000	Ć LC120000	` SD130000	i LI010000	r LR010000	z LZ010000	Ž LZ120000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	 SM130000	: SP130000	ś LS110000	ŗ LL610000	Ś LS120000	Ł LL620000	SHY SP320000	Ě LE220000	ď LD210000	Ď LD220000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	ň LN210000	ń LN110000	Ñ LN220000	Ń LN120000	ô LO150000	ů LU250000	Ô LO160000	Ů LU260000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ď LD610000	š LS210000	Đ LD620000	Š LS220000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	ʝ SD410000	Ý LY120000	¨ SD170000	í LR110000	ť LT210000	Ř LR120000	Ť LT220000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	ř LR210000	ł SD430000	Ř LR220000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000		⌘ SC010000		×	ó LO250000	ẽ LE210000	Õ LO260000	

Note: Because of Character Generator limitations, the character at X'41' may not display correctly.**Legend:****RSP** required space**SHY** syllable hyphen**SP** space

Spanish Code Page

(Q121 = 19)

Code page number = 284/1; CECF character set = 697/1; Base character set = 650.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	} SM140000	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	.. SD170000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	¶ SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ı SM650000	β LS610000	# SM010000	` SD130000	ı LI010000	r LR010000	z LZ010000	¾ NF050000	ı LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	ñ LN190000	: SP130000	« SP170000	ª SM210000	ı SP030000	^ SD150000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	Ñ LN200000	» SP180000	º SM200000	¿ SP160000	! SP020000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	~ SD190000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Õ LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Spanish-Speaking Code Page

(Q121 = 21)

Code page number = 284/1; CECP character set = 697/1; Base character set = 309.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	.. SD170000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ı SM650000	ß LS610000	# SM010000	` SD130000	ı LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM080000	] SM080000	ñ LN190000	: SP130000	« SP170000	ª SM210000	ı SP030000	^ SD150000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	Ñ LN200000	» SP180000	º SM200000	¿ SP160000	! SP020000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	đ LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	~ SD190000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	 SM130000	¬ SM660000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Õ LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Swedish Code Page

(Q121 = 24)

Code page number = 278/1; CECP character set = 697/1; Base character set = 285.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	ä LA170000	å LA270000	É LE120000	0 ND100000
-1	RSP SP300000	` SD130000	/ SP120000	\ SM070000	a LA010000	j LJ010000	ü LU170000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	{ SM110000	ë LE170000	# SM010000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	[SM060000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	}	ï LI170000	\$ SC030000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	é LE110000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	§ SM240000	◊ SC010000	ö LO170000	ː SP130000	« SP170000	ª SM210000	ı SP030000	¬ SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	Å LA280000	ˆ SP080000	Ä LA180000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ö LO180000	ö LD630000	æ LA510000	Ð LD620000	- SM150000	 SM650000	~ SD190000	@ SM050000	Ü LU180000
-D	(SP060000	) SP070000	— SP090000	´ SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	ˆ SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	] SM080000	® SM530000	x SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Swiss-French (New) Code Page

(Q121 = 41)

Code page number = 500/1; CECP character set = 697/1; Base character set = 908.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	\$ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	¡ SM650000	¿ SP130000	« SP170000	 SM210000	í SP030000	¬ SM660000	SHY	¹ ND011000	² ND021000	³ ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	º SM200000	¿ SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	· SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Swiss-German (New) Code Page

(Q121 = 42)

Code page number = 500/1; CECP character set = 697/1; Base character set = 908.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	- SP100000	ø LO610000	Ø LO620000	° SM190000	μ SM170000	¢ SC040000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	~ SD190000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	¥ SC050000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	· SD630000	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	© SM520000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	§ SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ã LA190000	î LI150000	Ã LA200000	Î LI160000	f LF010000	o LO010000	w LW010000	π SM250000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	å LA270000	ï LI170000	Å LA280000	Ï LI180000	g LG010000	p LP010000	x LX010000	¼ NF040000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	ì LI130000	Ç LC420000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	ß LS610000	Ñ LN200000	` SD130000	i LI010000	r LR010000	z LZ010000	¾ NF050000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	ı SM650000	:	« SP170000	„ SM210000	ı SP030000	ı SM660000	SHY SP320000	1 ND011000	2 ND021000	3 ND031000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	» SP180000	„ SM200000	ı SP160000	 SM130000	ô LO150000	û LU150000	ô LO160000	û LU160000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ð LD630000	æ LA510000	Ð LD620000	- SM150000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	_ SP090000	' SP050000	ý LY110000	„ SD410000	Ý LY120000	¨ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	þ LT630000	Æ LA520000	Þ LT640000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000	± SA020000	◊ SC010000	® SM530000	× SA070000	õ LO190000	ÿ LY170000	Ö LO200000	

Legend:

RSP required space

SHY syllable hyphen

SP space

Thai Code Page

(Q121 = 46)

Code page number = 838; Base character set = 938.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	฿ SC130000				○ ND100002	{ SM110000	}	\ SM070000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	~ SD190000	๑ ND010002	A LA020000	J LJ020000		1 ND010000
-2	ก BK100000	ข BC100000	ฃ BT100000	ง BT600000	b LB010000	k LK010000	s LS010000	๒ ND020002	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ช BK200000	ฅ BX100000	ฉ BT200000	ค BT700000	c LC010000	l LL010000	t LT010000	๓ ND030002	C LC020000	L LL020000	T LT020000	3 ND030000
-4	ซ BK300000	ฌ BS100000	จ BT300000	ด BT800000	d LD010000	m LM010000	u LU010000	๔ ND040002	D LD020000	M LM020000	U LU020000	4 ND040000
-5	ค BK400000	ฌ BX200000	ฉ BT400000	น BN300000	e LE010000	n LN010000	v LV010000	๕ ND050002	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ค BK500000	ฌ BX300000	ช BN200000	บ BB100000	f LF010000	o LO010000	w LW010000	๖ ND060002	F LF020000	O LO020000	W LW020000	6 ND060000
-7	จ BK600000	ฌ BY100000	ด BD200000	ป BP100000	g LG010000	p LP010000	x LX010000	๗ ND070002	G LG020000	P LP020000	X LX020000	7 ND070000
-8	จ BN100000	ฌ BD100000	ด BT500000	ผ BP200000	h LH010000	q LQ010000	y LY010000	๘ ND080002	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000	๙ ND090002	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	¢ SC040000	! SP020000	 SM650000	: SP130000	๑ BF100000	๒ BR100000	๓ BS300000	๔ BQ200000		.BQ300000	๕ BA700000	๖ BZ400000
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	พ BP300000	๑ BR200000	๒ BS400000	๓ BA200000	๔ BI200000	๕ BE200000	๖ BQ100000	๗ BZ500000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	ฟ BF200000	๑ BL100000	๒ BH100000	๓ BA100000	๔ BU100000	๕ BE300000	๖ BE100000	๗ BN400000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ผ BP400000	๑ BL200000	๒ BL300000	๓ BA300000	๔ BU200000	๕ BO200000	๖ BZ100000	
-E	+ SA010000	; SP140000	> SA050000	= SA040000	๑ BM100000	๒ BW100000	๓ BO100000	๔ BA400000	๕ BU300000	๖ BA500000	๗ BZ200000	
-F	 SM130000	๑ SM660000	? SP150000	" SP040000	๑ BY200000	๒ BS200000	๓ BH200000	๔ BI100000	๕ BU400000	๖ BA600000	๗ BZ300000	

Legend:

SP space

Turkish Code Page

(Q121 = 39)

Code page number = 905; Base character set = 1127.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000		˘ SD230000	° SM190000	μ SM170000	· SD290000	ç LC410000	ğ LG230000	ü LU170000	0 ND100000
-1		é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	ö LO170000	£ SC020000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2	â LA150000	ê LE150000	Â LA160000	Ê LE160000	b LB010000	k LK010000	s LS010000	z LZ290000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000	}	C LC020000	L LL020000	T LT020000	3 ND030000
-4	à LA130000	è LE130000	À LA140000	È LE140000	d LD010000	m LM010000	u LU010000	ž LZ300008	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	ş SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6		î LI150000		Î LI160000	f LF010000	o LO010000	w LW010000	] SM080000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	ć LC290000	ĩ LI170000	Ć LC300000	Ĭ LI180000	g LG010000	p LP010000	x LX010000		G LG020000	P LP020000	X LX020000	7 ND070000
-8	{ SM110000	ì LI130000	[SM060000	Ì LI140000	h LH010000	q LQ010000	y LY010000	½ NF010000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ñ LN190000	β LS610000	Ñ LN200000	ı LI610000	i LI010000	r LR010000	z LZ010000	\$ SC030000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	Ç LC420000	Ğ LG240000	Ş LS410000	:	ħ LH610000	ĥ LH150000	Ħ LH620000	Ĥ LH160000	SHY SP320000	` SD130000	² ND021000	³ ND031000
-B	· SP110000	İ LI300000	, SP080000	Ö LO180000	ĉ LC150000	ĝ LG150000	Ĉ LC160000	Ĝ LG160000	ô LO150000	û LU150000	Ô LO160000	Û LU160000
-C	< SA030000	* SM040000	% SM020000	Ş LS420000	ŝ LS150000	ĵ LJ150000	Ŝ LS160000	Ĵ LJ160000	~ SD190000	\ SM070000	# SM010000	" SP040000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ŭ LU230000	˘ SD410000	Ŭ LU240000	˙ SD170000	ò LO130000	ù LU130000	Ò LO140000	Ù LU140000
-E	+ SA010000	; SP140000	> SA050000	= SA040000				' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	Ü LU180000	 SM130000	⌘ SC010000	@ SM050000	× SA070000	ğ LG290000		Ğ LG300000	

Legend:

SHY syllable hyphen

SP space

Yugoslav Code Page

(Q121 = 40)

Code page number = 870; Base character set = 1128.

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000	˘ SD210000	˘ SD230000	° SD270000	ą LA430000	· SD290000	{ SM110000	}	\ SM070000	0 ND100000
-1	RSP SP300000	é LE110000	/ SP120000	É LE120000	a LA010000	j LJ010000	˜ SD190000	À LA440000	A LA020000	J LJ020000	÷ SA060000	1 ND010000
-2					b LB010000	k LK010000	s LS010000	ž LZ290000	B LB020000	K LK020000	S LS020000	2 ND020000
-3	ä LA170000	ë LE170000	Ä LA180000	Ë LE180000	c LC010000	l LL010000	t LT010000		C LC020000	L LL020000	T LT020000	3 ND030000
-4		ü LU270000	” SD250000	Û LU280000	d LD010000	m LM010000	u LU010000	Ž LZ300000	D LD020000	M LM020000	U LU020000	4 ND040000
-5	á LA110000	í LI110000	Á LA120000	Í LI120000	e LE010000	n LN010000	v LV010000	š SM240000	E LE020000	N LN020000	V LV020000	5 ND050000
-6	ǎ LA230000				f LF010000	o LO010000	w LW010000	ž LZ210000	F LF020000	O LO020000	W LW020000	6 ND060000
-7	č LC210000	ǐ LL210000	Č LC220000	ǐ LL220000	g LG010000	p LP010000	x LX010000	ž LZ110000	G LG020000	P LP020000	X LX020000	7 ND070000
-8	ç LC410000	í LL110000	Ç LC420000	Í LL120000	h LH010000	q LQ010000	y LY010000	Ž LZ220000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9	ć LC110000	β LS610000	Ć LC120000	` SD130000	i LI010000	r LR010000	z LZ010000	Ž LZ120000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	[SM060000	] SM080000	 SM130000	: SP130000	ś LS110000	ŗ LL610000	Ś LS120000	Ł LL620000	SHY SP320000	Ě LE220000	ď LD210000	Ď LD220000
-B	· SP110000	\$ SC030000	, SP080000	# SM010000	ñ LN210000	ń LN110000	Ñ LN220000	Ń LN120000	ô LO150000	ů LU250000	ô LO160000	Ů LU260000
-C	< SA030000	* SM040000	% SM020000	@ SM050000	đ LD610000	š LS210000	Đ LD620000	Š LS220000	ö LO170000	ü LU170000	Ö LO180000	Ü LU180000
-D	(SP060000	) SP070000	— SP090000	' SP050000	ý LY110000	ʝ SD410000	Ý LY120000	¨ SD170000	í LR110000	ť LT210000	Ř LR120000	Ť LT220000
-E	+ SA010000	; SP140000	> SA050000	= SA040000	ř LR210000	˘ SD430000	Ř LR220000	' SD110000	ó LO110000	ú LU110000	Ó LO120000	Ú LU120000
-F	! SP020000	^ SD150000	? SP150000	" SP040000		⌘ SC010000		×	ó LO250000	ě LE210000	Ů LO260000	

Note: Because of Character Generator limitations, the character at X'41' may not display correctly.**Legend:****RSP** required space**SHY** syllable hyphen**SP** space

3289 Text Print Feature Code Page

Hex Digits 1st → 2nd ↓	4-	5-	6-	7-	8-	9-	A-	B-	C-	D-	E-	F-
-0	SP SP010000	& SM030000	— SP100000				— SA001000	0 ND101000	{ SM110000	} SM140000	\ SM070000	0 ND100000
-1			/ SP120000		a LA010000	j LJ010000	° SM190000	1 ND011000	A LA020000	J LJ020000		1 ND010000
-2					b LB010000	k LK010000	s LS010000	2 ND021000	B LB020000	K LK020000	S LS020000	2 ND020000
-3					c LC010000	l LL010000	t LT010000	3 ND031000	C LC020000	L LL020000	T LT020000	3 ND030000
-4					d LD010000	m LM010000	u LU010000	4 ND041000	D LD020000	M LM020000	U LU020000	4 ND040000
-5					e LE010000	n LN010000	v LV010000	5 ND051000	E LE020000	N LN020000	V LV020000	5 ND050000
-6					f LF010000	o LO010000	w LW010000	6 ND061000	F LF020000	O LO020000	W LW020000	6 ND060000
-7					g LG010000	p LP010000	x LX010000	7 ND071000	G LG020000	P LP020000	X LX020000	7 ND070000
-8					h LH010000	q LQ010000	y LY010000	8 ND081000	H LH020000	Q LQ020000	Y LY020000	8 ND080000
-9				` SD130000	i LI010000	r LR010000	z LZ010000	9 ND091000	I LI020000	R LR020000	Z LZ020000	9 ND090000
-A	¢ SC040000	! SP020000	 SM650000	: SP130000								
-B	. SP110000	\$ SC030000	, SP080000	# SM010000	{ SM110000	} SM140000	┌ SF020000	┐ SF040000				
-C	< SA030000	* SM040000	% SM020000	@ SM050000	≤ SA520000	□ SM490000	└ SF010000	┑ SF030000				
-D	(SP060000	) SP070000	— SP090000	' SP050000	(SP061000	) SP071000	[SM060000	] SM080000				
-E	+ SA010000	; SP140000	> SA050000	= SA040000	+ SA011000	± SA020000	≥ SA530000	≠ SA540000				
-F	 SM130000	└ SM660000	? SP150000	" SP040000	+ SF050000	■ SM470000	• SM570000	— SF100000				

Note: Character code X'A1' causes a degree (°) symbol to print when the 3289 Text Print belt is installed; and an equivalent (~) symbol when a U.S. English print belt is installed.

Legend:

SP space

Chapter 6. 3270 Character Generators

This chapter contains illustrations that depict the characters that can be generated by 3270 character generators within the 3270 Information Display System terminals. The character generators present a visual reproduction of the character on the display screen or printer. Be aware that the exact shapes of the characters shown in this chapter may vary slightly from those you see displayed or printed depending on how your display or printer forms the characters.

A *standard* character generator is normally used in 3270 display terminals; however, there are cases where a unique character generator is supplied for a particular language.

The following illustrations show the character generator contents for the language and display type noted.

Base Character Set Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	NULL	SP	0	&	à	ä	À	Ä	a	q	A	Q		P		✂
1	EM	=	1	—	è	ë	È	Ë	b	r	B	R		S		—
2	FF	'	2	.	ì	ï	Ì	Ï	c	s	C	S		^A □		ㄣ
3	NL	"	3	,	ò	ö	Ò	Ö	d	t	D	T		^		—
4	STOP	/	4	:	ù	ü	Ù	Ü	e	u	E	U		^B □		↻
5	SUP. SKIP	\	5	+	ã	â	Ã	Â	f	v	F	V		⁶ □		⌋
6	RES		6	⌋	õ	ê	Õ	Ê	g	w	G	W		▶		×
7	RES		7	—	ÿ	î	Y	Î	h	x	H	X		□		■
8	>	?	8	°	à	ô	À	Ô	i	y	I	Y		→		←
9	<	!	9	√	è	û	E	Û	j	z	J	Z		⧻		⧻
A	[	\$	β	^	é	á	E	Á	k	æ	K	Æ		↑		○
B	]	¢	§	~	ì	é	I	É	l	ø	L	Ø		⤴		π
C	)	£	#	“	o	í	O	Í	m	à	M	Â				⁴ □
D	(	¥	@	`	ù	ó	U	Ó	n	ç	N	Ç		↓		≠
E	}	Pt	%	'	ü	ú	Y	Ú	o	— ;	O	;		[?] □		≡
F	{	⌘	—	›	ç	ñ	C	Ñ	p	— *	P	*		■		⤴

APL/APL2 Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	◊	∥		≥	}	{	△	0				P		⊛
1				—	↑	◦	<u>A</u>	<u>J</u>	◦	1	§			S		<u>a</u>
2			◻		≤	α	<u>B</u>	<u>K</u>	<u>S</u>	2	↓	∩				⊞
3			<u>l</u>		┐	ε	<u>C</u>	<u>L</u>	<u>I</u>	3	..	!				▶▶
4			<u>E</u>		L	l	<u>D</u>	<u>M</u>	<u>U</u>	4	θ					⋮
5			┌	█	→	P	<u>E</u>	<u>N</u>	<u>V</u>	5	⊞					
6			└	█	□	ω	<u>F</u>	<u>O</u>	<u>W</u>	6	↯	↷				
7				█	⊃	X	<u>G</u>	<u>P</u>	<u>X</u>	7	⊞	⋈				
8			≡	█	⊂	\	<u>H</u>	<u>Q</u>	<u>Y</u>	8	⊞	⊥				
9				⊞	○	X	<u>I</u>	<u>R</u>	<u>Z</u>	9	⊞	—				
A			∴	—	←	▽	1	2	3	n	↯	⊞				
B				•	~	Δ		⊞	L	┐	↯	A				
C			◻		∩	T	—		┐	┐	^	π				
D					U	┐	(	)	┌	┐	√	~				
E			◻		⊥	≠	+	±	┌	┐	⊞	↯				
F					┐		+	⊞	•	—	⊞	↯				

Note: The characters shown with the blackened upper-left corner are APL2 characters only.

CECP Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Null	SP	0	&	à	ä	À	Ä	a	q	A	Q		P		✂
1	X	=	1	—	è	ë	È	Ë	b	r	B	R		S		—
2	RSP	'	2	.	ì	ï	Ì	Ï	c	s	C	S		^A □		⌋
3	—	"	3	,	ò	ö	Ò	Ö	d	t	D	T		^		—
4	¼	/	4	:	ù	ü	Ù	Ü	e	u	E	U		^B □		↺
5	¾	X	5	+	ã	â	Ã	Â	f	v	F	V		6		↻
6	®		6	⌋	õ	ê	Õ	Ê	g	w	G	W		▶		×
7	©	!	7	—	ÿ	î	±	Î	h	x	H	X		□		■
8	>	?	8	°	b	ô	Ḃ	Ô	i	y	I	Y		→		←
9	<	!	9	μ	đ	û	Đ	Û	j	z	J	Z		↘		⬮
A	[	\$	β	^	«	á	½	Á	k	æ	K	Æ		↑		○
B	]	¢	§	~	¹	é	¿	É	l	ø	L	Ø		⚙		π
C	)	£	#	..	»	í	ì	Í	m	å	M	Å		<u>B</u>		4
D	(	¥	@	`	π	ó	<u>a</u>	Ó	n	ç	N	Ç		↓		Δ
E	}	•	%	'	ý	ú	Ý	Ú	o	²	O	;		?		≡
F	{	✕	—	,	x	ñ	<u>o</u>	Ñ	p	³	P	*		■		⚙

Cyrillic Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	a	п	А	П	a	q	A	Q	☼	P	⌈	↗
1		=	1	—	б	р	Б	Р	b	r	B	R	а	S	⌈A	—
2		'	2	.	в	с	В	С	c	s	C	S	а	⌈A	⌈C	—
3		"	3	,	г	т	Г	Т	d	t	D	T	▶	^	⌈Y	—
4		/	4	:	д	ё	Д	Ё	e	u	E	U	⌈B	⌈B		⌈
5		\	5	+	ј	у	Ј	У	f	v	F	V	R	⌈6		⌈
6			6	ц	е	ф	Е	Ф	g	w	G	W	✧	▶		×
7		i	7	№	ж	х	Ж	Х	h	x	H	X	P	⌈		■
8	>	?	8	Ъ	з	ц	З	Ц	i	y	I	Y		→		←
9	<	!	9	Ѓ	и	ч	И	Ч	j	z	J	Z		⌈		■
A	[	\$	!	^	й	ш	Й	Ш	k	я	K	Я		↑		↓
B	]	Љ	\$	Љ	к	щ	К	Щ	l	ѣ	L	ѣ		⌈		
C	)	њ	#	њ	л	ы	Л	Ы	m	ї	M	Ї		В		⌈4
D	(	ћ	@	ћ	м	ь	М	Ь	n	s	N	S		↓		⌈A
E	ђ	ќ	%	ќ	н	э	Н	Э	o	;	O	;		⌈?		⌈
F	ѓ	ѡ	—	ц	о	ю	О	Ю	p	*	P	*		■		⌈

Greek Character Generator

3178, 3278, and 3279

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0̄	SP	0	&	à	λ	À	Λ	a	q	A	Q	' /	P	' /	↖
1	1̄	=	1	—	è	μ	È	M	b	r	B	R	á	S	ô	—
2	2̄	'	2	.	ì	ν	Ì	N	c	s	C	S	é	Α	ω̇	↗
3	3̄	"	3	,	ò	ξ	Ò	Ξ	d	t	D	T	ή	^	û	—
4	4̄	/	4	:	ù	ρ	Ù	'	e	u	E	U	ï	Β	Ć	↻
5	5̄	\	5	+	G	ο	Ã	O	f	v	F	V	G	6	~	↻
6	6̄		6	┐	α	π	Α	Π	g	w	G	W	α	►	A	×
7	7̄	!	7	—	β	ρ	B	P	h	x	H	X	β	□	B	■
8	>	?	8	°	γ	σ	Γ	Σ	i	y	I	Y	γ	→	Γ	←
9	<	!	9	∨	δ	τ	Δ	T	j	z	J	Z	δ	↯	Δ	⚡
A	[	\$	β	^	ε	υ	E	Y	k	æ	K	Æ	ε	↑	E	⌂
B	]	¢	§	~	ζ	φ	Z	Φ	l	ø	L	Ø	ζ	⚖	Z	π
C	)	£	#	..	η	χ	H	X	m	â	M	Â	η	Β	H	4
D	(	¥	@	`	θ	ψ	Θ	Ψ	n	ç	N	Ç	θ	↓	Θ	Α
E	}	Pt	%	'	ι	ω	I	Ω	o	̄;	O	;	ι	?	I	≡
F	{	⊗	—	,	κ	ς	K	Σ	p	̄*	P	*	κ	■	K	⚖

Greek Character Generator

3179, 3180, 3191, and 3192

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	ά	λ	Α	Λ	a	q	A	Q	☼	P	⌈	↖
1		=	1	—	έ	μ	Ε	Μ	b	r	B	R	α	S	⌈A	—
2		'	2	.	ή	ν	Η	Ν	c	s	C	S	α	⌈A	⌈E	↗
3		"	3	,	ό	ξ	Ο	Ξ	d	t	D	T	▶▶	^	⌈Λ	—
4		/	4	:	ί	ώ	Π	Ω	e	u	E	U	⌈B	⌈B		⌈C
5		â	5	+	ύ	ο	Υ	Ο	f	v	F	V	R	⌈6		⌈D
6		ê	6	ô	α	π	Α	Π	g	w	G	W	✧	▶		×
7		î	7	û	β	ρ	Β	Ρ	h	x	H	X	P	⌈C		■
8	<	?	8	°	γ	σ	Γ	Σ	i	y	I	Y		→		←
9	>	!	9	ë	δ	τ	Δ	Τ	j	z	J	Z		⌈D		■
A	[	\$	ï	^	ε	υ	Ε	Υ	k	ä	K	Ä		↑		↓
B	]	é	§	ü	ζ	φ	Ζ	Φ	l	ï	L	ÿ		⌈D		
C	)	£	Ç	..	η	χ	Η	Χ	m	ö	M	Ö		B		⌈4
D	(	à	ç	`	θ	ψ	Θ	Ψ	n	ü	N	Ü		↓		Δ
E	±	è	%	'	ι	ω	Ι	Ω	o	—	O	;		⌈?		⌈=
F	½	ù	—	,	κ	ζ	Κ	Σ	p	—	P	*		■		⌈D

Icelandic Character Generator

3178, 3278, and 3279

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	ǿ	ä	Ǿ	Ä	a	q	A	Q	q	P	Ä	
1		=	1	—	ǧ	ë	Ǧ	Ë	b	r	B	R	ǧ	S	Ë	
2		'	2	.	ǫ	ï	Ǫ	Ï	c	s	C	S	ǫ		Ǫ	
3		"	3	,	ǰ	ö	ǰ	Ö	d	t	D	T	ǰ		ǰ	
4		/	4	:	ć	ü	Ć	Ü	e	u	E	U	ć		Ć	
5		\	5	+	à	â	À	Â	f	v	F	V	ñ		Ñ	
6			6	⌋	ì	ê	Ì	Ê	g	w	G	W	ž		Š	
7		!	7	—	ý	î	Ý	Î	h	x	H	X	š		Š	
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y	ę		Ę	
9	<	!	9	√	ş	û	Ş	Û	j	z	J	Z	ş		Ş	
A	[	\$	ß	^	đ	á	Đ	Á	k	æ	K	Æ	ž		Ž	
B	]	¢	§	~	þ	é	Þ	É	l	ø	L	Ø	ž		Ž	
C	)	£	#	..	ı	í	İ	Í	m	å	M	Å	ï		ı	
D	(	¥	@	`	ï	ó	İ	Ó	n	ç	N	Ç	ı		ı	
E	}	Pt	%	'	ð	ú	Ð	Ú	o	̄;	O	;	ı		t	
F	{	⌘	—	,	o	ñ	O	Ñ	p	̄*	P	*	ı		½	

Icelandic Character Generator

3179, 3180, 3191, and 3192

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	»	ä	¼	Ä	a	q	A	Q	☀	P		↘
1		=	1	—	«	ë	½	Ë	b	r	B	R	ä	S		—
2		'	2	.	á	ï	È	Ï	c	s	C	S	■	□		↗
3		"	3	,	ó	ö	=	Ö	d	t	D	T	▶	^		—
4		/	4	:	μ	ü	è	Ü	e	u	E	U	☐	□		☾
5		\	5	+	à	â	À	Â	f	v	F	V	R	□		☾
6			6	⌋	ì	ê	Ì	Ê	g	w	G	W	✧	▶		×
7		!	7	—	ý	î	Ý	Î	h	x	H	X	P	□		■
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y	ll	→		←
9	<	!	9	±	f	û	õ	Û	j	z	J	Z	lll	☒		☒
A	[	\$	β	^	đ	á	Ð	Á	k	æ	K	Æ		↑		↓
B	]	¢	§	~	þ	é	Þ	É	l	ø	L	Ø		⚡		
C	)	£	#	..	π	í	ù	Í	m	à	M	Å		B		4
D	(	ι	@	`	i	ó	²	Ó	n	ç	N	Ç		↓		Δ
E	}	Pt	%	'	ã	ú	³	Ú	o	¯	O	;		?		=
F	{	✂	—	,	®	ñ	ÿ	Ñ	p	*	P	*		■		☒

Notes:

- 3192 — Character X'49' is a © symbol.
- 3192 — Character X'63' is a × (multiply) symbol.

Japanese Katakana Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	ア	チ	ㇿ	ㇾ	a	q	A	Q		P		↖
1		=	1	—	イ	ツ	メ	ㇿ	b	r	B	R		S		—
2		'	2	.	ウ	テ	モ	,	c	s	C	S		^A □		ㇿ
3		"	3	,	エ	ト	ㇾ	.	d	t	D	T		^		—
4		/	4	:	カ	ナ	ㇿ	ㇿ	e	u	E	U		^B □		ㇿ
5			5	+	カ	ニ	ㇿ	ㇿ	f	v	F	V		□		ㇿ
6			6	ㇿ	キ	ヌ	ㇿ	ㇿ	g	w	G	W		▶		×
7			7	—	フ	ㇿ	ㇿ	ㇿ	h	x	H	X		□		■
8	>	?	8		ケ	ノ	ㇿ	ㇿ	i	y	I	Y		→		←
9	<	!	9		コ	ハ	ㇿ	ㇿ	j	z	J	Z		ㇿ		ㇿ
A		\$			サ	ㇿ	ㇿ	ㇿ	k		K			↑		○
B		¢			シ	フ	ㇿ	ㇿ	l		L			ㇿ		π
C	)	£	#		ス	ㇿ	ㇿ	ㇿ	m		M			ㇿ		—
D	(	¥	@	`	ㇿ	ホ	ㇿ	ㇿ	n		N			↓		≠
E	}		%		ㇿ	マ	。	—	o	;	O	;		?		≡
F	{		—		ㇿ	ㇿ	。	ㇿ	p	*	P	*		■		ㇿ

ROECE Latin Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	č	ä	Č	Ä	a	q	A	Q		P		✂
1		=	1	—	ů	ë	Ů	Ë	b	r	B	R		S		—
2		'	2	.	š	ö	Š	Ö	c	s	C	S		A □		↯
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T		^		—
4		/	4	:	ć	ü	Ć	Ü	e	u	E	U		B □		⋈
5		•	5	+	ž	ś	Ž	Ś	f	v	F	V		6 □		?
6		//	6	—	ę	ú	Ę	Ú	g	w	G	W		►		×
7		~	7	˘	ý	z	Ý	Ž	h	x	H	X		□		■
8	>	?	8	°	ĩ	ô	Ĺ	Ô	i	y	I	Y		→		←
9	<	!	9	√	ǎ	ť	Ǻ	Ť	j	z	J	Z		↯		⬮
A	[	\$	ß	^	đ	á	Đ	Á	k	ń	K	Ń		↑		○
B	]	\	\$	˘	í	é	Í	É	l	ď	L	Ď		⚙		π
C	)		#	˝	ň	í	Ň	Í	m	q	M	Q		B		4 □
D	(	×	@	`	ř	ó	Ř	Ó	n	ç	N	Ç		↓		Δ
E	}	÷	%	'	ě	ú	Ě	Ú	o	ˉ; ;	O	;		?		≡
F	{	⊗	—	,	ř	ł	Ř	Ł	p	ˉ* *	P	*		■		⚙

Spanish Character Generator

Formerly known as New Spanish Character Generator.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	à	ä	À	Ä	a	q	A	Q				
1	®	=	1	—	è	ë	È	Ë	b	r	B	R				
2	f	'	2	.	ì	ï	Ì	Ï	c	s	C	S				
3	—	"	3	,	ò	ö	Ò	Ö	d	t	D	T				
4	¼	/	4	:	ù	ü	Ù	Ü	e	u	E	U				
5	¾	\	5	+	ã	â	Ã	Â	f	v	F	V				
6	²		6	⌋	õ	ê	Õ	Ê	g	w	G	W				
7	³		7	—	ÿ	î	±	Î	h	x	H	X				
8	>	?	8	°	þ	ô	þ	Ô	i	y	I	Y				
9	<	!	9	√	đ	û	Đ	Û	j	z	J	Z				
A	[	\$	β	^	«	á	½	Á	k	æ	K	Æ				
B	]	¢	§	~	ı	é	ı	É	ı	ø	L	Ø				
C	)	£	#	”	»	í	ı	Í	m	â	M	Â				
D	(	¥	@	`	π	ó	<u>a</u>	Ó	n	ç	N	Ç				
E	}	•	%	´	ý	ú	Ý	Ú	o	¯	O	;				
F	{	⌘	—	,	=	ñ	<u>o</u>	Ñ	p	—*	P	*				

Thai Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	ป	ณ	ว	ำ	a	q	A	Q		P		✂
1		=	1	—	ก	ด	ศ	ด	b	r	B	R		S		—
2		'	2	.	ค	ต	ช	ด	c	s	C	S		A □		—
3		"	3	,	ณ	ถ	ส	ด	d	t	D	T		^		—
4		/	4	:	ข	ก	ห	ด	e	u	E	U		B □		⋯
5		\	5	+	ง	ค	อ	1	f	v	F	V		6 □		?
6			6	┐	อ	น	ย	บ	g	w	G	W		▶		×
7			7	๒	ฉ	บ	ะ	เ	h	x	H	X		□		■
8	>	?	8	๓	ช	ป	ะ	แ	i	y	I	Y		→		←
9	<	!	9	๔	ช	พ	ร	๗	j	z	J	Z		✂		✂
A		\$	B		ณ	ฟ	อ	+	k	O	K	๔		↑		○
B		๕	๒	~	ณ	ภ	เ	๘	l	๑	L	๔		๓		๓
C	)	๗	#	๗	ณ	ร	~	๘	m	๒	M	๖		B □		4 □
D	(	๗	@	`	๗	ธ	'	๗	n	๓	N	๗		↓		A
E	}	๗	%	๘	๗	ล	๗	๗	o	๗	O	;		?		=
F	{	๗	—	๗	๗	๗	°	.	p	๗	P	*		■		๓

Turkish Character Generator

3278 and 3279

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		SP	0	&	ç	ä	Ç	Ä	a	q	A	Q	q	P	Å	
1		=	1	—	ğ	ë	Ğ	Ë	b	r	B	R	ı	S	Ł	
2		'	2	.	ş	ï	Ş	İ	c	s	C	S	ş		Š	
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T	ž		Ž	
4		/	4	:	é	ü	Ć	Ü	e	u	E	U	ć		Ć	
5		\	5	+	à	â	À	Â	f	v	F	V	ñ		Ñ	
6			6	┐	ì	ê	Ì	Ê	g	w	G	W	z		Ś	
7		!	7	—	ý	î	Ý	Î	h	x	H	X	ś		Ś	
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y	ę		Ę	
9	<	!	9	√	ş	û	Ş	Û	j	z	J	Z	ş		Ş	
A	[	\$	β	^	đ	á	Đ	Á	k	æ	K	Æ	ž		Ž	
B	]	¢	§	~	þ	é	Þ	É	l	ø	L	Ø	z		Ž	
C	)	E	#	"	ı	í	İ	Í	m	â	M	Â	ï		ı	
D	(	¥	@	`	ı	ó	İ	Ó	n	ç	N	Ç	ı		ı	
E	}	Pt	%	'	đ	ú	Đ	Ú	o	;	O	;	ı		L	
F	{	⌘	—	,	O	ñ	O	Ñ	p	*	P	*	ı		½	

Turkish Character Generator

3179 and 3180

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	ç	ä	Ç	Ä	a	q	A	Q	☼	P		✂
1		=	1	—	ğ	ë	Ğ	Ë	b	r	B	R	â	S		—
2		'	2	.	ş	ï	Ş	Ï	c	s	C	S	☐	A		—
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T	▶▶	^		—
4		/	4	:	ć	ü	Ć	Ü	e	u	E	U	☐	B		☾
5		\	5	+	à	â	À	Â	f	v	F	V	R	6		☾
6			6	┐	ì	ê	Ì	Ê	g	w	G	W	✧	▶		×
7		!	7	—	ý	î	Ý	Î	h	x	H	X	P	☐		■
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y		→		←
9	<	!	9	√	ş	û	Ş	Û	j	z	J	Z		☐		☐
A	[	\$	β	^	đ	á	Đ	Á	k	æ	K	Æ		↑		↓
B	]	¢	§	~	þ	é	Þ	É	l	ø	L	Ø		☐		
C	)	£	#	..	l	í	l	Í	m	â	M	Â		B		4
D	(	¥	@	`	ï	ó	ï	Ó	n	ç	N	Ç		↓		A
E	}	Pt	%	'	đ	ú	Đ	Ú	o	—	O	;		?		☐
F	{	☒	—	,	O	ñ	O	Ñ	p	—	P	*		■		☐

Turkish Character Generator

3191 and 3192

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	ç	ä	Ç	Ä	a	q	A	Q				
1		=	1	—	ğ	ë	Ğ	Ë	b	r	B	R				
2		'	2	.	ğ	ï	Ğ	İ	c	s	C	S				
3		"	3	,	z	ö	Ž	Ö	d	t	D	T				
4		/	4	:	ç	ü	Ç	Ü	e	u	E	U				
5		\	5	+	à	â	À	Â	f	v	F	V				
6			6	˘	ì	ê	Ì	Ê	g	w	G	W				
7		·	7	—	ĵ	î	Ĵ	Î	h	x	H	X				
8	>	?	8	°	ò	ô	Ò	Ô	i	y	I	Y				
9	<	!	9	x	ş	û	Ş	Û	j	z	J	Z				
A	[	\$	β	^	ħ	á	Ĥ	Á	k	²	K	³				
B	]	μ	§	~	ĥ	é	Ĥ	É	l	è	L	È				
C	)	£	#	..	l	í	l	Í	m	ù	M	Ù				
D	(	½	@	`	î	ó	î	Ó	n	ç	N	Ç				
E	}	÷	%	'	ů	ú	Ů	Ú	o	̄;	O	;				
F	{	⌘	—	,	ĝ	ñ	Ĝ	Ñ	p	̄*	P	*				

Yugoslav Character Generator

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	&	č	ä	Č	Ä	a	q	A	Q		P		✂
1		=	1	—	û	ë	Ů	Ë	b	r	B	R		S		—
2		'	2	.	š	ö	Š	Ö	c	s	C	S		A □		—
3		"	3	,	ž	ö	Ž	Ö	d	t	D	T		^		—
4		/	4	:	ć	ü	Ć	Ü	e	u	E	U		B □		☾
5		•	5	+	ž	ś	Ž	Ś	f	v	F	V		6 □		☾
6		//	6	—	ę	ű	Ę	Ű	g	w	G	W		►		×
7		~	7	˘	ý	ž	Ý	Ž	h	x	H	X		□		■
8	>	?	8	°	ĩ	ô	Ĺ	Ô	i	y	I	Y		→		←
9	<	!	9	√	ǎ	ť	Ǻ	Ť	j	z	J	Z		✂		✂
A	[	\$	β	^	đ	á	Đ	Á	k	ń	K	Ń		↑		○
B	]	\	§	˘	í	é	Í	É	l	ď	L	Ď		⚡		π
C	)		#	˘	ň	í	Ň	Í	m	q	M	Q		B □		4 □
D	(	×	@	`	ř	ó	Ř	Ó	n	ç	N	Ç		↓		Δ
E	}	÷	%	'	ě	ú	Ě	Ú	o	̄; ;	O	;		?		≡
F	{	⊗	—	,	ř	ł	Ř	Ł	p	̄* *	P	*		■		⚡

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