

# DIA:Caracteres Unicode

## 1 Technical Symbols [↑](#)

### 1.1 Operadores Lógicos [↑](#)

$\neq$	&ne;	&#8800;	no igual
&	&amp;	&#38;	ampersand
$\wedge$	&and;	&#8743;	operador "y"
$\neg$	&not;	&#172;	operador "no"
$\sim$	&sim;	&#8764;	tilde operador = varies with = similar to
$\vee$	&or;	&#8744;	logical 'or' sign
$\rightarrow$	&rarr;	&#8594;	rightwards arrow
$\leftarrow$	&larr;	&#8592;	leftwards arrow
$\leftrightarrow$	&harr;	&#8596;	left right arrow
$\Updownarrow$		&#8661;	up down double arrow
$\equiv$	&equiv;	&#8801;	identical to
$\forall$	&forall;	&#8704;	for all
$\exists$	&exist;	&#8707;	there exists
$\beth$		&#8489;	symbol for definite description operator "the"
$\square$		&#9633;	box = necessarily
$\diamond$	&loz;	&#9674;	lozenge = possibly
$\Rightarrow$	&rArr;	&#8658;	rightwards double arrow
$\Leftarrow$	&lArr;	&#8656;	leftwards double arrow
$\Leftrightarrow$	&hArr;	&#8660;	left right double arrow
$\therefore$	&there4;	&#8756;	therefore
$\perp$	&perp;	&#8869;	up tack = orthogonal to = perpendicular
$\top$		&#8868;	down tack = top
$\dashv$		&#8867;	left turnstile = adjoint
$\vdash$		&#8866;	turnstile, proves
$\models$		&#8872;	models, makes true
$\nvdash$		&#8876;	doesn't prove
$\not\models$		&#8877;	doesn't model, doesn't make true

### 1.2 Set Theory Symbols [↑](#)

$\in$	&isin;	&#8712;	element of
$\notin$	&notin;	&#8713;	not an element of
$\ni$	&ni;	&#8715;	contains as member
$\emptyset$	&empty;	&#8709;	empty set
$\cap$	&cap;	&#8745;	intersection = cap
$\cup$	&cup;	&#8746;	union = cup
$\subset$	&sub;	&#8834;	subset of
$\supset$	&sup;	&#8835;	superset of
$\not\subset$	&nsub;	&#8836;	not a subset of

$\subseteq$	&sube;	&#8838;	subset of or equal to
$\supseteq$	&supe;	&#8839;	superset of or equal to
$\circ$		&#9675;	function composition
$\square$		&#10785;	domain restrictor

### 1.3 Mathematical Symbols [↑](#)

$-$	&minus;	&#8722;	minus sign
$\pm$	&plusmn;	&#177;	plus-or-minus sign
$\times$	&times;	&#215;	multiply sign
$\div$	&divide;	&#247;	divide sign
$<$	&lt;	&#60;	less-than sign
$>$	&gt;	&#62;	greater-than sign
$\leq$	&le;	&#8804;	less-than or equal to
$\geq$	&ge;	&#8805;	greater-than or equal to
$\nless$		&#8816;	not less-than or equal to
$\frac{1}{4}$	&frac14;	&#188;	fraction one-quarter
$\frac{1}{2}$	&frac12;	&#189;	fraction one-half
$\frac{3}{4}$	&frac34;	&#190;	fraction three-quarters
$^1$	&sup1;	&#185;	superscript one
$^2$	&sup2;	&#178;	superscript two
$^3$	&sup3;	&#179;	superscript three
$^\circ$	&deg;	&#176;	degree sign
$\cdot$	&middot;	&#183;	middle dot
$f$	&fnof;	&#402;	latin small f with hook = function = florin
$'$	&prime;	&#8242;	prime = minutes = feet
$''$	&Prime;	&#8243;	double prime = seconds = inches
$\overline{\quad}$	&oline;	&#8254;	overline = spacing overscore
$/$	&frasl;	&#8260;	fraction slash
$\aleph$	&alefsym;	&#8501;	Hebrew alef
$\partial$	&part;	&#8706;	partial differential
$\Sigma$	&sum;	&#8721;	n-ary summation
$\nabla$	&nabla;	&#8711;	nabla = backward difference
$\sqrt{\quad}$	&radic;	&#8730;	square root = radical sign
$\propto$	&prop;	&#8733;	proportional to
$\infty$	&infin;	&#8734;	infinity
$\sphericalangle$	&ang;	&#8736;	angle
$\int$	&int;	&#8747;	integral
$\cong$	&cong;	&#8773;	approximately equal to
$\approx$	&asymp;	&#8776;	almost equal to = asymptotic to
$\oplus$	&oplus;	&#8853;	circled plus = direct sum
$\otimes$	&otimes;	&#8855;	circled times = vector product
$\text{‰}$	&permil;	&#8240;	per mille sign
$\mathbb{R}$	&real;	&#8476;	set of real numbers
$\wp$	&weierp;	&#8472;	power set
$\mathfrak{I}$	&image;	&#8465;	fraktur I, imaginary, interpretation

<	&#8826;	precedes
>	&#8827;	succeeds
≦	&#8828;	precedes or equal to
≧	&#8829;	succeeds or equal to
⋈	&#8928;	not precedes or equal to
⊲	&#8882;	is contained in as subgroup
⊳	&#8883;	contains as subgroup
⊴	&#8884;	is contained in or equal to
ħ	&#8463;	Dirac constant
ℕ	&#8469;	set of natural numbers
ℚ	&#8474;	set of rational numbers
ℤ	&#8484;	set of integers

## 1.4 Miscellaneous Technical Symbols [↑](#)

↑	&uarr;	&#8593;	upwards arrow
↓	&darr;	&#8595;	downwards arrow

## 2 Alphabetic Characters [↑](#)

### 2.1 Latin Characters [↑](#)

À	&Agrave;	&#192;	capital A, grave accent
Á	&Aacute;	&#193;	capital A, acute accent
Â	&Acirc;	&#194;	capital A, circumflex accent
Ã	&Atilde;	&#195;	capital A, tilde
Ä	&Auml;	&#196;	capital A, dieresis or umlaut mark
Å	&Aring;	&#197;	capital A, ring
Æ	&AElig;	&#198;	capital AE diphthong (ligature)
Ç	&Ccedil;	&#199;	capital C, cedilla
È	&Egrave;	&#200;	capital E, grave accent
É	&Eacute;	&#201;	capital E, acute accent
Ê	&Ecirc;	&#202;	capital E, circumflex accent
Ë	&Euml;	&#203;	capital E, dieresis or umlaut mark
Ì	&Igrave;	&#204;	capital I, grave accent
Í	&Iacute;	&#205;	capital I, acute accent
Î	&Icirc;	&#206;	capital I, circumflex accent
Ï	&Iuml;	&#207;	capital I, dieresis or umlaut mark
Ð	&ETH;	&#208;	capital Eth, Icelandic
Ñ	&Ntilde;	&#209;	capital N, tilde
Ò	&Ograve;	&#210;	capital O, grave accent
Ó	&Oacute;	&#211;	capital O, acute accent
Ô	&Ocirc;	&#212;	capital O, circumflex accent
Õ	&Otilde;	&#213;	capital O, tilde
Ö	&Ouml;	&#214;	capital O, dieresis or umlaut mark
Ø	&Oslash;	&#216;	capital O, slash
Ù	&Ugrave;	&#217;	capital U, grave accent

Ú	&Uacute;	&#218;	capital U, acute accent
Û	&Ucirc;	&#219;	capital U, circumflex accent
Ü	&Uuml;	&#220;	capital U, dieresis or umlaut mark
Ý	&Yacute;	&#221;	capital Y, acute accent
Þ	&THORN;	&#222;	capital THORN, Icelandic
ß	&szlig;	&#223;	small sharp s, German (sz ligature)
à	&agrave;	&#224;	small a, grave accent
á	&aacute;	&#225;	small a, acute accent
â	&acirc;	&#226;	small a, circumflex accent
ã	&atilde;	&#227;	small a, tilde
ä	&auml;	&#228;	small a, dieresis or umlaut mark
å	&aring;	&#229;	small a, ring
æ	&aelig;	&#230;	small ae diphthong (ligature)
ç	&ccedil;	&#231;	small c, cedilla
è	&egrave;	&#232;	small e, grave accent
é	&eacute;	&#233;	small e, acute accent
ê	&ecirc;	&#234;	small e, circumflex accent
ë	&euml;	&#235;	small e, dieresis or umlaut mark
ì	&igrave;	&#236;	small i, grave accent
í	&iacute;	&#237;	small i, acute accent
î	&icirc;	&#238;	small i, circumflex accent
ï	&iuml;	&#239;	small i, dieresis or umlaut mark
ð	&eth;	&#240;	small eth, Icelandic
ñ	&ntilde;	&#241;	small n, tilde
ò	&ograve;	&#242;	small o, grave accent
ó	&oacute;	&#243;	small o, acute accent
ô	&ocirc;	&#244;	small o, circumflex accent
õ	&otilde;	&#245;	small o, tilde
ö	&ouml;	&#246;	small o, dieresis or umlaut mark
ø	&oslash;	&#248;	small o, slash
ù	&ugrave;	&#249;	small u, grave accent
ú	&uacute;	&#250;	small u, acute accent
û	&ucirc;	&#251;	small u, circumflex accent
ü	&uuml;	&#252;	small u, dieresis or umlaut mark
ý	&yacute;	&#253;	small y, acute accent
þ	&thorn;	&#254;	small thorn, Icelandic
ÿ	&yuml;	&#255;	small y, dieresis or umlaut mark
Œ	&OElig;	&#338;	latin capital ligature oe
œ	&oelig;	&#339;	latin small ligature oe
Š	&Scaron;	&#352;	latin capital l r s with caron
š	&scaron;	&#353;	latin small r s with caron
ÿ	&Yuml;	&#376;	latin capital letter y with diaeresis

## 2.2 Greek Characters [↑](#)

Α	&Alpha;	&#913;	greek capital letter alpha
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B	&Beta;	&#914;	greek capital letter beta
Γ	&Gamma;	&#915;	greek capital letter gamma
Δ	&Delta;	&#916;	greek capital letter delta
Ε	&Epsilon;	&#917;	greek capital letter epsilon
Z	&Zeta;	&#918;	greek capital letter zeta
H	&Eta;	&#919;	greek capital letter eta
Θ	&Theta;	&#920;	greek capital letter theta
I	&Iota;	&#921;	greek capital letter iota
K	&Kappa;	&#922;	greek capital letter kappa
Λ	&Lambda;	&#923;	greek capital letter lambda
M	&Mu;	&#924;	greek capital letter mu
N	&Nu;	&#925;	greek capital letter nu
Ξ	&Xi;	&#926;	greek capital letter xi
O	&Omicron;	&#927;	greek capital letter omicron
Π	&Pi;	&#928;	greek capital letter pi
P	&Rho;	&#929;	greek capital letter rho
Σ	&Sigma;	&#931;	greek capital letter sigma
T	&Tau;	&#932;	greek capital letter tau
Υ	&Upsilon;	&#933;	greek capital letter upsilon
Φ	&Phi;	&#934;	greek capital letter phi
X	&Chi;	&#935;	greek capital letter chi
Ψ	&Psi;	&#936;	greek capital letter psi
Ω	&Omega;	&#937;	greek capital letter omega
α	&alpha;	&#945;	greek small letter alpha
β	&beta;	&#946;	greek small letter beta
γ	&gamma;	&#947;	greek small letter gamma
δ	&delta;	&#948;	greek small letter delta
ε	&epsilon;	&#949;	greek small letter epsilon
ζ	&zeta;	&#950;	greek small letter zeta
η	&eta;	&#951;	greek small letter eta
θ	&theta;	&#952;	greek small letter theta
ι	&iota;	&#953;	greek small letter iota
κ	&kappa;	&#954;	greek small letter kappa
λ	&lambda;	&#955;	greek small letter lambda
μ	&mu;	&#956;	greek small letter mu
ν	&nu;	&#957;	greek small letter nu
ξ	&xi;	&#958;	greek small letter xi
ο	&omicron;	&#959;	greek small letter omicron
π	&pi;	&#960;	greek small letter pi
ρ	&rho;	&#961;	greek small letter rho
ς	&sigmaf;	&#962;	greek small letter final sigma
σ	&sigma;	&#963;	greek small letter sigma
τ	&tau;	&#964;	greek small letter tau
υ	&upsilon;	&#965;	greek small letter upsilon
φ	&phi;	&#966;	greek small letter phi
χ	&chi;	&#967;	greek small letter chi

ψ	&psi;	&#968;	greek small letter psi
ω	&omega;	&#969;	greek small letter omega

### 2.3 Polish, Czech, Slovene, etc., Characters [↑](#)

Ą	&#260;	&#260;	upper case A ogonek
ą	&#261;	&#261;	lower case a ogonek
Ć	&#262;	&#262;	upper case C acute
ć	&#263;	&#263;	lower case c acute
Č	&#268;	&#268;	upper case C caron
č	&#269;	&#269;	lower case c caron
Ę	&#280;	&#280;	upper case E ogonek
ę	&#281;	&#281;	lower case e ogonek
ě	&#283;	&#283;	lower case e caron
Ł	&#321;	&#321;	upper case L slash
ł	&#322;	&#322;	lower case l slash
Ń	&#323;	&#323;	upper case N acute
ń	&#324;	&#324;	lower case n acute
Ř	&#344;	&#344;	upper case R caron
ř	&#345;	&#345;	lower case r caron
Š	&#352;	&#352;	upper case S caron
š	&#353;	&#353;	lower case s caron
Ś	&#346;	&#346;	upper case S acute
ś	&#347;	&#347;	lower case s acute
Ż	&#377;	&#377;	upper case Z acute
ż	&#378;	&#378;	lower case z acute
Ž	&#379;	&#379;	upper case Z dot
ž	&#380;	&#380;	lower case z dot
Ž	&#381;	&#381;	upper case Z caron
ž	&#382;	&#382;	lower case z caron

### 2.4 Special Diacritics [↑](#)

Ā	&#256;	&#256;	upper case A macron
ā	&#257;	&#257;	lower case a macron
ḏ	&#7693;	&#7693;	lower case d with dot below
ē	&#275;	&#275;	e with macron
ğ	&#287;	&#287;	lower case g with breve
Ḥ	&#7716;	&#7716;	upper case H with dot below
ḥ	&#7717;	&#7717;	lower case h with dot below
ī	&#298;	&#298;	upper case I macron
ī	&#299;	&#299;	lower case i macron
ṁ	&#7747;	&#7747;	lower case m with dot below
Ṁ	&#7744;	&#7744;	upper case M with dot above
ṁ	&#7745;	&#7745;	lower case m with dot above
ṅ	&#7751;	&#7751;	lower case n with dot below
ṅ	&#7749;	&#7749;	lower case n with dot above

ō	&#333;	&#333;	lower case o macron
ŗ	&#7771;	&#7771;	lower case r with dot below
Ś	&#346;	&#346;	upper case S acute
ś	&#347;	&#347;	lower case s acute
Ş	&#7778;	&#7778;	upper case S with dot below
ş	&#7779;	&#7779;	lower case s with dot below
ţ	&#7789;	&#7789;	lower case t with dot below
Ţ	&#7788;	&#7788;	upper case T with dot below
ū	&#363;	&#363;	lower case u macron
Ů	&#7804;	&#7804;	upper case V tilde
Ẑ	&#7827;	&#7827;	upper case Z with dot below

See <http://symbolcodes.tlt.psu.edu/bylanguage/ipavowels.html>

## 3 Punctuation, Pure Diacritical Marks, and Special Characters [↑](#)

### 3.1 General Punctuation [↑](#)

"	&quot;	&#34;	quotation mark = apl quote
'	&lsquo;	&#8216;	left single quotation mark
'	&rsquo;	&#8217;	right single quotation mark
“	&ldquo;	&#8220;	left double quotation mark
”	&rdquo;	&#8221;	right double quotation mark
–	&ndash;	&#8211;	en dash
—	&mdash;	&#8212;	em dash
...	&hellip;	&#8230;	horizontal ellipsis = three dot leader
•	&bull;	&#8226;	bullet = black small circle
§	&sect;	&#167;	section sign
¶	&para;	&#182;	pilcrow (paragraph sign)
«	&laquo;	&#171;	angle quotation mark, left
»	&raquo;	&#187;	angle quotation mark, right
<	&lsaquo;	&#8249;	single left-pointing angle quotation mark
>	&rsaquo;	&#8250;	single right-pointing angle quotation mark
{	&#10216;	&#10216;	left-pointing angle bracket
}	&#10217;	&#10217;	right-pointing angle bracket
¡	&iexcl;	&#161;	inverted exclamation mark
¿	&iquest;	&#191;	inverted question mark
,	&sbquo;	&#8218;	single low-9 quotation mark
„	&bdquo;	&#8222;	double low-9 quotation mark
†	&dagger;	&#8224;	dagger
‡	&Dagger;	&#8225;	double dagger
	&ensp;	&#8194;	en space
	&emsp;	&#8195;	em space
	&thinsp;	&#8201;	thin space
	&nbsp;	&#160;	no-break space
[	&lceil;	&#8968;	left ceiling
]	&rceil;	&#8969;	right ceiling



[	&lfloor;	&#8970;	left floor
]	&rfloor;	&#8971;	right floor
[[	&#10214;	&#10214;	left square double bracket
]]	&#10215;	&#10215;	right square double bracket

### 3.2 Diacritical Marks [↑](#)

´	&acute;	&#180;	acute accent
¨	&uml;	&#168;	umlaut (dieresis)
ˉ	&macr;	&#175;	macron
¸	&cedil;	&#184;	cedilla
ˆ	&circ;	&#710;	modifier letter circumflex accent
˜	&tilde;	&#732;	small tilde

### 3.3 General Purpose Symbols [↑](#)

ª	&ordf;	&#170;	ordinal indicator, feminine
º	&ordm;	&#186;	ordinal indicator, masculine
	&brvbar;	&#166;	broken (vertical) bar
©	&copy;	&#169;	copyright sign
®	&reg;	&#174;	registered sign
™	&trade;	&#8482;	trade mark sign
μ	&micro;	&#181;	micro sign

### 3.4 Currency/Cards [↑](#)

¢	&cent;	&#162;	cent sign
£	&pound;	&#163;	pound sterling sign
¤	&curren;	&#164;	general currency sign
¥	&yen;	&#y165;	yen sign
€	&euro;	&#8364;	euro sign
♠	&spades;	&#9824;	black spade suit
♣	&clubs;	&#9827;	black club suit = shamrock
♥	&hearts;	&#9829;	black heart suit = valentine
♦	&diamonds;	&#9830;	black diamond suit