

Index of syntactic variables appearing in R. Carnap's *Logical Syntax of Language* (English translation, 1937). For errors or additions, please e-mail Douglas Marshall at [dmarshall@fas.harvard.edu](mailto:dmarshall@fas.harvard.edu).

<u>Syntactic Variable:</u>	<u>Ranges Over:</u>	<u>Cf. pp.:</u>
$\alpha$	all symbols	17
$\xi$	numerical variables (Zahlvariable)	17
$\nu$	zero (Null)	17
$\xi\xi$	numerals (Zahlzeichen)	17
$\text{pr}$	predicate (Prädikat)	17
$\text{pr}^n$	$n$ -place predicate/relation	17
$\text{fu}$	function (Funktion)	17
$\text{fu}^n$	$n$ -place function	17
$\text{verf}$	“ ” “•” “ ” “=” (Verknüpfungszeichen)	17
$\mathcal{A}$	any expression	17
$\mathfrak{Z}$	Numerical expression (Zahlausdruck)	17, 26, 87
$\mathcal{S}$	Sentence (Satz)	17, 26, 88
$\mathcal{A}_i$	logical expression (can use subscript elsewhere)	18
$\mathcal{A}_s$	descriptive expression (can use subscript elsewhere)	18
$\mathcal{St}$	formal numeral (0, 0□ 0□□. .)(Strichausdruck)	26
$\mathcal{A}_{\text{rg}}^n$	$n$ -termed argument expression (Argumentausdruck) <sup>1</sup>	26
$\mathcal{K}$	class of expressions, usu. sentences (Klasse)	37 – 38
$\text{Pr}$	predicate expressions	83 – 84, 87
$\text{Fu}$	function expressions	84, 87
$\text{p}$	predicate variables	84
$\text{f}$	function variables	84
$\mathfrak{N}$	“0 = 0” (Null)	84
$\text{fa}$	sentential symbols (Satzzeichen)	84
$\text{f}$	sentential variables	84
$\text{v}$	variables of type $\xi$ , $\text{p}$ , $\text{f}$ , or $\text{f}$	84

<sup>1</sup> N.B. In the expression  $\text{Prim}(x, y, z)$ , “ $x, y, z$ ” is a 3-termed argument expression. Argument expressions are *not*  $\text{pr}$  or  $\text{fu}$ .

$\Box_{pr}, \Box_{pr}, \Box_p$	level $\Box$ predicate expression, predicate, predicate variable	85 – 86
$\Box_{fu}, \Box_{fu}, \Box_f$	level $\Box$ function expression, function, function variable	85 – 86
$( ) (\mathcal{S})$	universal closure of $\mathcal{S}$	94
$\mathcal{R}\mathcal{S}$	reduced form of $\mathcal{S}$	105
$\mathcal{B}$	valuation (Bewertung)	107
$\mathcal{G}$	Gödel sentence for LII	130
$\mathcal{W}_{\mathcal{S}}, \mathcal{W}_{\mathcal{S}\mathcal{S}}$	Statement of consistency for LI, LII	133
$\mathcal{R}_1$	system of levels (Reihe) (see also below & p. 205)	186, 188
$\mathcal{S}tu$	expressions belonging to classes in $\mathcal{R}_1$ (Stufe)	187
$\Box\mathcal{S}tu$	expression belonging to level $\Box$	187
$\mathcal{S}tu^m$	$m$ -termed expression belonging to some level	187
$\mathcal{A}g$	expressional framework (Ausdrucksgerüst)	187
$\mathcal{A}g^m$	$m$ -place expressional framework	187
$\mathcal{S}g$	sentential framework (Satzgerüst)	187
$\mathcal{S}g^m$	$m$ -place sentential framework	187
$\mathcal{V}$	variable expressions (general syntax)	191, 195
$\mathcal{O}_p$	operators	191
$\mathcal{A}fu$	expressional function	191
$\mathcal{A}fu^m$	$m$ -termed expressional function	191
$\mathcal{S}fu$	sentential function	191
$\mathcal{S}fu^m$	$m$ -termed sentential function	191
$v$	variable (general syntax)	194
$\mathfrak{c}, \Box\mathfrak{c}$	constant, level $\Box$ constant (general syntax)	194
$\mathcal{M}_1$	range	199
$\mathcal{V}^n, \mathcal{V}^n$	$n$ -place junction symbol	201
$[\mathcal{S}_1]; -[\mathcal{S}_1]$	Range of $\mathcal{S}_1$ ; counter-range of $\mathcal{S}_1$	201
$\mathcal{N}_1$	numerical expression series, $\mathfrak{N}$ -series (see also above)	205
$\mathfrak{z}pr, \mathfrak{z}fu$	numerical predicate, numerical function	205
$\mathcal{O}_1$	syntactical correlation	222
$\mathcal{O}_1[\mathcal{A}_1]$	$\mathcal{O}$ -correlate of $\mathcal{A}_1$	222