

NOTATION

L_A	5	$\Gamma(x)$	18	$\llcorner_{\cap}, \llcorner_{\cup}$	96
$0, S, +, \times$	5	$\text{Sat}_{\Gamma}(x,y), \text{Tr}_{\Gamma}(x)$	18	$a + \sigma$	97
N	5	$\text{Sat}_{B_n}(x,y)$	18	CON_{Γ}	98
$:=$	5	$X \mid k$	18	\cup, \cap	99
$T + \varphi, T + X$	6	Π_n^0, Σ_n^0	20	$[a,b], [a,b), \text{etc.}$	100
\vdash, \dashv	6	φ^i	25	$d(\varphi), d(X)$	102
$\text{Th}(T)$	6	$\text{Ref}(T)$	35	\llcorner	102
N	6	X^c	44	$\sigma, \sigma_0, \dots, \pi, \pi_0, \dots$	102
PA	6	$F, P, P(\langle \varphi_k: k < \omega \rangle),$		$\Phi(B_n, \Delta_n, \Gamma, \Pi_n,$	
Q	6	$P(\xi)$	45	$\Sigma_n)$	102
$x \leq y, x < y$	6	\neg_p	50, 55	E_T	106
$\delta_f(x_0, \dots, x_n, y)$	7	Rfn_S	52	F_T	106
$\exists x \leq y, \forall x \leq y, \exists x < y,$		RFN_S	52	$\llcorner \llcorner$	106
$\forall x < y$	8	$\text{Prf}_{S,\Gamma}(x,y),$		G_T	108
PR	8	$\text{Pr}_{S,\Gamma}(x)$	52, 53	$t^{-1}(T)$	119
$\langle x,y \rangle$ and $(x)_y,$		$\text{Con}(n,S), \text{Con}_S^{\omega}$	54	\leq^r, \leq^{er}	120
$\langle k,m \rangle$ and $(k)_m$	9	$\text{Rfn}(n,S), \text{Rfn}_S^{\omega}$	55	L_{ST}, ZF	120
P_m	9	\neg_{Π_1}	55	t_s	120
$S, S_0, T, T', A, B \text{ etc.}$		RFN_{τ}	59	$v_n(x)$	121
(convention)	11	$[\Gamma]_S(x,y)$	63	$H_k, H_k(x)$	121
T (convention)	11	\neg_{Γ}	63	$\text{Tr}_k(x)$	121
Σ_n, Π_n	11	$[\Gamma](x,y)$	63	RFN_S^t	121
$B_n, \Gamma, \Gamma^+, \Gamma^d$	11	$\text{Cons}(\Gamma, T)$	68	$\Sigma_k^{ST}, \Pi_k^{ST}$	121
Φ, Φ^T	11	$t, \mu_t(x)$	75	GB	124
Δ_n	11	$t: S' \leq S$	75		
Sbst_k	13	$\leq, <$	76		
Subst_k	13	Hcm_{ξ}	79		
$\xi(\dot{x}), \eta(\dot{x}, \dot{y})$	13	\equiv	83		
$\text{Prf}_{\sigma}(x,y)$	13	$\text{Int}_{A,B}$	84		
$\text{Pr}_{\sigma}(x), \text{Con}_{\sigma}$	13	\leq	84		
\perp	13	\approx	87		
$\sigma \mid y, \sigma + y$	13	$\leq, d(A), D_T, \mathbf{D}_T$	94		
$\text{Prf}_S(x,y), \text{Pr}_S(x),$		$A^T, \downarrow, \uparrow, \vee$	94		
$\text{Cons}_S, \text{Prf}_{S+z}(x,y),$		\cap, \cup	94		
$\text{Prf}_{S \mid z}(x,y)$	13	$0_T, 1_T$	95		