Equation assignment sequence for variable n

no	var	equ	quations	token
49	12	-	S_N :: port variable	
48	29	-	λ_S :: port variable	
47	26	-	A^v :: port variable	
46	64	-	$P_{NS,KS}$ :: port variable	
45	88	-	${K^o}_K$ :: port variable	
44	62	-	$P_{N,NK}$ :: port variable	
43	127	-	$D_{N,A}$ :: port variable	
42	23	-	r_{zN} :: port variable	
41	10	-	r_{yN} :: port variable	
40	86	-	$N_{S,K}$ :: port variable	
39	61	-	$P_{S,NS}$ :: port variable	
38	60	-	$P_{K,NK}$ :: port variable	
37	63	-	$P_{NK,KS}$ :: port variable	
36	59	-	$P_{NS,AS}$ :: port variable	
35	5	-	$F_{N,A}$ :: port variable	
34	128	-	$D_{NS,AS}$ :: port variable	
33	13	-	V_N :: port variable	
32	1	-	$\#$ :: port variable	
31	6	-	t :: port variable	

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no	var	equ	quations	token
30	27	16	$Bo_N := \text{Instantiate}(S_N, \#)$	
29	69	47	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
28	87	64	$E_{aNK} := \text{Instantiate}(P_{N,NK} \overset{N}{\star} R_N \,.\, T_{NK}, \#)$	
27	28	17	$R_N := A^v \,.\, Bo_N$	
26	115	91	$c^o{}_{KS} := \text{Instantiate}(c_{KS}, \#)$	
25	114	90	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
24	71	49	$\rho_N := m_N \,.\, (V_N)^{-1}$	
23	65	46	$d_A := \text{sign}\left(F_{N,A} \overset{N}{\star} p_N\right)$	
22	4	3	$0.5 := \text{Instantiate}(\#, \#)$	
21	108	84	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
20	77	55	$T_{NK} := P_{N,NK} \overset{N}{\star} T_N$	
19	89	65	$K_{NK} := K^o{}_K \odot exp((-E_{aNK}) \,.\, \left(R_N \overset{N}{\star} P_{N,NK} \,.\, T_{NK}\right)^{-1})$	
18	116	92	$\phi_{KS} := \prod \left(c_{KS} \,.\, (c^o{}_{KS})^{-1}\right)$	
17	98	74	$\hat{V}_A := (\rho_N)^{-1} \,.\, k^c_{xN} \,.\, A_{yzN} \,.\, D_{N,A} \overset{N}{\star} p_N$	
16	109	85	$c_{AS} := (0.5 \,.\, (F_{NS,AS} - d_A \odot \lvert F_{NS,AS} \rvert)) \overset{NS}{\star} c_{NS}$	
15	95	71	$A_{yzN} := r_{yN} \,.\, r_{zN}$	
14	93	69	$N_{NS,NK} := P_{S,NS} \overset{S}{\star} \left(\left(P_{K,NK} \,.\, T_{NK} \,.\, (T_{NK})^{-1}\right) \overset{K}{\star} N_{S,K}\right)$	
13	117	93	$\xi_{NK} := K_{NK} \,.\, P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	
12	110	86	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
11	73	51	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	

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no	var	equ	quations	token
10	104	80	$\hat{n}^{d}{}_{AS} := A_{yzN} \odot \left(-k^{d}_{xNS}\right) . D_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
9	118	94	$\tilde{n}_{NS} := V_{N} \odot \left(N_{NS,NK} \overset{NK}{\star} \xi_{NK}\right)$	
8	111	87	$\hat{n}^{c}{}_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^{c}{}_{AS}$	
7	105	81	$\hat{n}^{d}{}_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^{d}{}_{AS}$	
6	2	1	$0 := \text{Instantiate}(\#, \#)$	
5	8	5	$t_{e} := \text{Instantiate}(t, \#)$	
4	7	4	$t_{o} := \text{Instantiate}(t, \#)$	
3	150	124	$n^{o}{}_{NS} := \text{Instantiate}(n_{NS}, \#)$	
2	119	95	$\dot{n}_{NS} := \hat{n}^{c}{}_{NS} + \hat{n}^{d}{}_{NS} + \tilde{n}_{NS}$	
1	119	129	$\dot{n}_{NS} := \text{Instantiate}(\dot{n}_{NS}, 0)$	
0	42	116	$n_{NS} := \int_{t_{o}}^{t_{e}} \dot{n}_{NS} \ dt + n^{o}{}_{NS}$	