

Equation assignment sequence for variable n

no	var	equ	quations	token
47	12	-	$S_N :: \text{port variable}$	
46	29	-	$\lambda_S :: \text{port variable}$	
45	26	-	$A^v :: \text{port variable}$	
44	64	-	$P_{NS,KS} :: \text{port variable}$	
43	88	-	$K^o_K :: \text{port variable}$	
42	62	-	$P_{N,NK} :: \text{port variable}$	
41	127	-	$D_{N,A} :: \text{port variable}$	
40	23	-	$r_{zN} :: \text{port variable}$	
39	10	-	$r_{yN} :: \text{port variable}$	
38	86	-	$N_{S,K} :: \text{port variable}$	
37	61	-	$P_{S,NS} :: \text{port variable}$	
36	60	-	$P_{K,NK} :: \text{port variable}$	
35	63	-	$P_{NK,KS} :: \text{port variable}$	
34	59	-	$P_{NS,AS} :: \text{port variable}$	
33	5	-	$F_{N,A} :: \text{port variable}$	
32	128	-	$D_{NS,AS} :: \text{port variable}$	
31	13	-	$V_N :: \text{port variable}$	
30	1	-	$\# :: \text{port variable}$	
29	6	-	$t :: \text{port variable}$	

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no	var	equ	quations	token
28	27	16	$Bo_N := \text{Instantiate}(S_N, \#)$	
27	69	47	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
26	87	64	$E_{a_{NK}} := \text{Instantiate}(P_{N,NK} \overset{N}{\star} R_N . T_{NK}, \#)$	
25	28	17	$R_N := A^v . Bo_N$	
24	115	91	$c_{KS}^o := \text{Instantiate}(c_{KS}, \#)$	
23	114	90	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
22	71	49	$\rho_N := m_N . (V_N)^{-1}$	
21	65	46	$d_A := \text{sign} \left(F_{N,A} \overset{N}{\star} p_N \right)$	
20	4	3	$0.5 := \text{Instantiate}(\#, \#)$	
19	108	84	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
18	77	55	$T_{NK} := P_{N,NK} \overset{N}{\star} T_N$	
17	89	65	$K_{NK} := K^o_K \odot \exp((-E_{a_{NK}}) . \left(R_N \overset{N}{\star} P_{N,NK} . T_{NK} \right)^{-1})$	
16	116	92	$\phi_{KS} := \prod (c_{KS} . (c_{KS}^o)^{-1})$	
15	98	74	$\hat{V}_A := (\rho_N)^{-1} . k_{xN}^c . A_{yzN} . D_{N,A} \overset{N}{\star} p_N$	
14	109	85	$c_{AS} := (0.5 . (F_{NS,AS} - d_A \odot F_{NS,AS})) \overset{NS}{\star} c_{NS}$	
13	95	71	$A_{yzN} := r_{yN} . r_{zN}$	
12	93	69	$N_{NS,NK} := P_{S,NS} \overset{S}{\star} \left((P_{K,NK} . T_{NK} . (T_{NK})^{-1}) \overset{K}{\star} N_{S,K} \right)$	
11	117	93	$\xi_{NK} := K_{NK} . P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	
10	110	86	$\hat{n}_{AS}^c := \hat{V}_A \odot c_{AS}$	
9	73	51	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	

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no	var	equ	quations	token
8	104	80	$\hat{n}^d_{AS} := A_{yzN} \odot (-k^d_{xNS}) \cdot D_{NS,AS} \star^{NS} \mu_{NS}$	
7	118	94	$\tilde{n}_{NS} := V_N \odot (N_{NS,NK} \star^{NK} \xi_{NK})$	
6	111	87	$\hat{n}^c_{NS} := F_{NS,AS} \star^{AS} \hat{n}^c_{AS}$	
5	105	81	$\hat{n}^d_{NS} := F_{NS,AS} \star^{AS} \hat{n}^d_{AS}$	
4	8	5	$t_e := \text{Instantiate}(t, \#)$	
3	7	4	$t_o := \text{Instantiate}(t, \#)$	
2	150	124	$n^o_{NS} := \text{Instantiate}(n_{NS}, \#)$	
1	119	95	$\dot{n}_{NS} := \hat{n}^c_{NS} + \hat{n}^d_{NS} + \tilde{n}_{NS}$	
0	42	116	$n_{NS} := \int_{t_o}^{t_e} \dot{n}_{NS} dt + n^o_{NS}$	