Equation assignment sequence for variable n

no	var	equ	quations	token
60	12	-	S_N :: port variable	
59	26	_	A^v :: port variable	
58	64	_	$P_{NS,KS}$:: port variable	
57	9	_	r_{xN} :: port variable	
56	88	_	K^{o}_{K} :: port variable	
55	62	_	$P_{N,NK}$:: port variable	
54	127	_	$D_{N,A}$:: port variable	
53	23	_	r_{zN} :: port variable	
52	10	_	r_{yN} :: port variable	
51	11	_	U_N :: port variable	
50	86	_	$N_{S,K}$:: port variable	
49	61	_	$P_{S,NS}$:: port variable	
48	60	_	$P_{K,NK}$:: port variable	
47	63	_	$P_{NK,KS}$:: port variable	
46	59	_	$P_{NS,AS}$:: port variable	
45	5	_	$F_{N,A}$:: port variable	
44	128	-	$D_{NS,AS}$:: port variable	
43	13	_	V_N :: port variable	
42	1	-	# :: port variable	

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no	var	equ	quations	token
41	6	-	t:: port variable	
40	27	16	$Bo_N := \text{Instantiate}(S_N, \#)$	
39	69	47	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
38	16	7	$T_N := \frac{\partial U_N}{\partial S_N}$	
37	16	113	$T_N := \text{Instantiate}(T_N, \#)$	
36	87	64	$E_{aNK} := \operatorname{Instantiate}(P_{N,NK} \stackrel{N}{\star} R_N . T_{NK}, \#)$	
35	28	17	$R_N := A^v \cdot Bo_N$	
34	115	91	$c^o_{KS} := \operatorname{Instantiate}(c_{KS}, \#)$	
33	114	90	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
32	71	49	$\rho_N := m_N \cdot (V_N)^{-1}$	
31	50	37	$k_{xN}^c := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1}\right) \cdot (V_N)^{-1} \cdot \frac{\partial U_N}{\partial p_N} \cdot v_{xN}$	
30	15	6	$p_N := \left(-\frac{\partial U_N}{\partial V_N}\right)$	
29	15	115	$p_N := \operatorname{Instantiate}(p_N, \#)$	
28	65	46	$d_A := \operatorname{sign}\left(F_{N,A} \stackrel{N}{\star} p_N\right)$	
27	4	3	0.5 := Instantiate(#, #)	
26	108	127	$c_{NS} := \operatorname{Instantiate}(c_{NS}, \#)$	
25	108	84	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
24	21	12	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
23	77	55	$T_{NK} := P_{N,NK} \stackrel{N}{\star} T_N$	
22	89	65	$K_{NK} := K^{o}_{K} \odot exp((-E_{aNK}) \cdot \left(R_{N} * P_{N,NK} \cdot T_{NK}\right)^{-1})$	

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no	var	equ	quations	token
21	116	92	$\phi_{KS} := \prod \left(c_{KS} \cdot \left(c^o_{KS} \right)^{-1} \right)$	
20	98	74	$\hat{V}_A := (\rho_N)^{-1} \cdot k_{xN}^c \cdot A_{yzN} \cdot D_{N,A} \stackrel{N}{\star} p_N$	
19	109	85	$c_{AS} := (0.5 \cdot (F_{NS,AS} - d_A \odot F_{NS,AS})) \stackrel{NS}{\star} c_{NS}$	
18	95	71	$A_{yzN} := r_{yN} \cdot r_{zN}$	
17	54	41	$k_{xNS}^d := (\mu_{NS})^{-1} \cdot \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}} \right) \right)$	
16	45	114	$\mu_{NS} := \text{Instantiate}(\mu_{NS}, \#)$	
15	45	32	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
14	93	69	$N_{NS,NK} := P_{S,NS} \stackrel{S}{\star} \left(\left(P_{K,NK} . T_{NK} . (T_{NK})^{-1} \right) \stackrel{K}{\star} N_{S,K} \right)$	
13	117	93	$\xi_{NK} := K_{NK} \cdot P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	
12	110	86	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
11	73	51	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
10	104	80	$\hat{n}^d_{AS} := A_{yzN} \odot \left(-k_{xNS}^d \right) \cdot D_{NS,AS} \stackrel{NS}{\star} \mu_{NS}$	
9	118	94	$\tilde{n}_{NS} := V_N \odot \left(N_{NS,NK} \stackrel{NK}{\star} \xi_{NK} \right)$	
8	111	87	$\hat{n}^c{}_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^c{}_{AS}$	
7	105	81	$\hat{n}^d_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^d_{AS}$	
6	2	1	0 := 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	$\dot{n}_{NS} := \hat{n}^c{}_{NS} + \hat{n}^d{}_{NS} + \tilde{n}_{NS}$	

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no	var	equ	quations	token
1	119	129	$\dot{n}_{NS} := \text{Instantiate}(\dot{n}_{NS}, 0)$	
0	42	116	$n_{NS} := \int_{t_o}^{t_e} \dot{n}_{NS} \ dt + n^o_{NS}$	