Equation assignment sequence for variable \hat{I}

no	var	equ	quations	token
77	12	_	S_N :: port variable	
76	26	_	A^v :: port variable	
75	64	-	$P_{NS,KS}$:: port variable	
74	9	_	r_{xN} :: port variable	
73	88	_	K^{o}_{K} :: port variable	
72	62	_	$P_{N,NK}$:: port variable	
71	23	_	r_{zN} :: port variable	
70	10	_	r_{yN} :: port variable	
69	86	_	$N_{S,K}$:: port variable	
68	61	_	$P_{S,NS}$:: port variable	
67	60	_	$P_{K,NK}$:: port variable	
66	63	_	$P_{NK,KS}$:: port variable	
65	59	_	$P_{NS,AS}$:: port variable	
64	5	_	$F_{N,A}$:: port variable	
63	128	_	$D_{NS,AS}$:: port variable	
62	164	_	1_{NS} :: port variable	
61	13	_	V_N :: port variable	
60	1	-	# :: port variable	

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no	var	equ	quations	token
59	168	-	$P_{A,NS}$:: port variable	
58	11	_	U_N :: port variable	
57	6	-	t:: port variable	
56	161	-	$P_{N,A}$:: port variable	
55	159	-	C_N :: port variable	
54	127	-	$D_{N,A}$:: port variable	
53	27	16	$Bo_N := \operatorname{Instantiate}(S_N, \#)$	
52	69	47	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
51	29	142	$\lambda_S := \operatorname{Instantiate}(\lambda_S, \#)$	
50	16	7	$T_N := \frac{\partial U_N}{\partial S_N}$	
49	16	113	$T_N := \operatorname{Instantiate}(T_N, \#)$	
48	87	64	$E_{aNK} := \operatorname{Instantiate}(P_{N,NK} \overset{N}{\star} R_N . T_{NK}, \#)$	
47	28	17	$R_N := A^v \cdot Bo_N$	
46	115	91	$c^o_{KS} := \operatorname{Instantiate}(c_{KS}, \#)$	
45	114	90	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
44	71	154	$ \rho_N := \operatorname{Instantiate}(\rho_N, \#) $	
43	71	49	$\rho_N := m_N \cdot (V_N)^{-1}$	
42	50	134	$k_{xN}^c := \text{Instantiate}(k_{xN}^c, \#)$	
41	50	37	$k_{xN}^c := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1}\right) \cdot (V_N)^{-1} \cdot \frac{\partial U_N}{\partial p_N} \cdot v_{xN}$	
40	15	6	$p_N := \left(-\frac{\partial U_N}{\partial V_N}\right)$	

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no	var	equ	quations	token
39	15	115	$p_N := \operatorname{Instantiate}(p_N, \#)$	
38	65	46	$d_A := \operatorname{sign}\left(F_{N,A} \stackrel{N}{\star} p_N\right)$	
37	4	3	0.5 := Instantiate(#, #)	
36	21	12	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
35	77	55	$T_{NK} := P_{N,NK} \stackrel{N}{\star} T_N$	
34	89	65	$K_{NK} := K^o{}_K \odot exp((-E_{aNK}) \cdot \left(R_N \stackrel{N}{\star} P_{N,NK} \cdot T_{NK}\right)^{-1})$	
33	116	92	$\phi_{KS} := \prod \left(c_{KS} \cdot \left(c^o_{KS} \right)^{-1} \right)$	
32	98	74	$\hat{V}_A := (\rho_N)^{-1} \cdot k_{xN}^c \cdot A_{yzN} \cdot D_{N,A} \stackrel{N}{\star} p_N$	
31	109	85	$c_{AS} := (0.5 \cdot (F_{NS,AS} - d_A \odot F_{NS,AS})) \overset{NS}{\star} c_{NS}$	
30	95	71	$A_{yzN} := r_{yN} \cdot r_{zN}$	
29	54	137	$k_{xNS}^d := \text{Instantiate}(k_{xNS}^d, \#)$	
28	54	41	$k_{xNS}^d := (\mu_{NS})^{-1} \cdot \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}} \right) \right)$	
27	45	114	$\mu_{NS} := \operatorname{Instantiate}(\mu_{NS}, \#)$	
26	45	32	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
25	93	69	$N_{NS,NK} := P_{S,NS} \stackrel{S}{\star} \left(\left(P_{K,NK} . T_{NK} . \left(T_{NK} \right)^{-1} \right) \stackrel{K}{\star} N_{S,K} \right)$	
24	117	93	$\xi_{NK} := K_{NK} \cdot P_{NK,KS} \stackrel{KS}{\star} \phi_{KS}$	
23	110	86	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
22	73	51	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
21	104	80	$\hat{n}^d_{AS} := A_{yzN} \odot \left(-k_{xNS}^d \right) \cdot D_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
20	118	94	$\tilde{n}_{NS} := V_N \odot \left(N_{NS,NK} \overset{NK}{\star} \xi_{NK} \right)$	

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no	var	equ	quations	token
19	111	87	$\hat{n}^c{}_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^c{}_{AS}$	
18	105	81	$\hat{n}^d_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^d_{AS}$	
17	2	1	0 := Instantiate(#, #)	
16	8	5	$t_e := \text{Instantiate}(t, \#)$	
15	7	4	$t_o := \text{Instantiate}(t, \#)$	
14	150	124	$n^o_{NS} := \text{Instantiate}(n_{NS}, \#)$	
13	119	95	$\dot{n}_{NS} := \hat{n}^c{}_{NS} + \hat{n}^d{}_{NS} + \tilde{n}_{NS}$	
12	119	129	$\dot{n}_{NS} := \operatorname{Instantiate}(\dot{n}_{NS}, 0)$	
11	42	116	$n_{NS} := \int_{t_o}^{t_e} \dot{n}_{NS} \ dt + n^o_{NS}$	
10	165	161	$c_{normN} := 1_{NS} \overset{S \in NS}{\star} c_{NS}$	
9	108	127	$c_{NS} := \operatorname{Instantiate}(c_{NS}, \#)$	
8	108	84	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
7	166	162	$\xi_{NS} := (c_{normN})^{-1} \odot c_{NS}$	
6	163	158	$k_{CA} := D_{N,A} \stackrel{N}{\star} (Ue_N)^{-1} . \hat{I}_A$	
5	163	160	$k_{CA} := \operatorname{Instantiate}(k_{CA}, \#)$	
4	169	164	$k^e_A := \left((k_{CA})^{-1} \cdot \left(P_{A,NS} \overset{NS}{\star} ln(\xi_{NS}) \right) \right)^{-1}$	
3	160	156	$Ue_N := (C_N)^{-1} \cdot U_N$	
2	162	159	$\hat{I}_A := k_{CA} \cdot D_{N,A} \stackrel{N}{\star} Ue_N$	
1	162	157	$\hat{I}_A := P_{N,A} \stackrel{N}{\star} \frac{dC_N}{dt}$	
0	162	165	$\hat{I}_A := k^e_A \cdot \left(D_{N,A} \stackrel{N}{\star} Ue_N\right)$	