Equation assignment sequence for variable i

no	var	equ	quations	token
84	12	-	S_N :: port variable	
83	26	_	A^v :: port variable	
82	64	_	$P_{NS,KS}$:: port variable	
81	9	_	r_{xN} :: port variable	
80	88	_	K^{o}_{K} :: port variable	
79	62	_	$P_{N,NK}$:: port variable	
78	127	_	$D_{N,A}$:: port variable	
77	23	_	r_{zN} :: port variable	
76	10	_	r_{yN} :: port variable	
75	86	_	$N_{S,K}$:: port variable	
74	61	_	$P_{S,NS}$:: port variable	
73	60	_	$P_{K,NK}$:: port variable	
72	63	_	$P_{NK,KS}$:: port variable	
71	59	_	$P_{NS,AS}$:: port variable	
70	5	_	$F_{N,A}$:: port variable	
69	128	_	$D_{NS,AS}$:: port variable	
68	164	_	1_{NS} :: port variable	
67	13	_	$V_N :: \text{port variable}$	
66	177	_	$P_{N,NS}$:: port variable	

no	var	equ	quations	token
65	11	-	U_N :: port variable	
64	1	_	# :: port variable	
63	170	_	1_N :: port variable	
62	6	_	t:: port variable	
61	159	_	C_N :: port variable	
60	171	_	$1_A :: port variable$	
59	27	16	$Bo_N := \operatorname{Instantiate}(S_N, \#)$	
58	69	47	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
57	29	142	$\lambda_S := \operatorname{Instantiate}(\lambda_S, \#)$	
56	16	7	$T_N := \frac{\partial U_N}{\partial S_N}$	
55	16	113	$T_N := \text{Instantiate}(T_N, \#)$	
54	87	64	$E_{aNK} := \text{Instantiate}(P_{N,NK} \overset{N}{\star} R_N . T_{NK}, \#)$	
53	28	17	$R_N := A^v \cdot Bo_N$	
52	115	91	$c^{o}_{KS} := \operatorname{Instantiate}(c_{KS}, \#)$	
51	114	90	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
50	71	154	$ ho_N := \operatorname{Instantiate}(ho_N, \#)$	
49	71	49	$\rho_N := m_N \cdot (V_N)^{-1}$	
48	50	134	$k_{xN}^c := \text{Instantiate}(k_{xN}^c, \#)$	
47	50	37	$k_{xN}^c := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1}\right) \cdot (V_N)^{-1} \cdot \frac{\partial U_N}{\partial p_N} \cdot v_{xN}$	
46	15	6	$p_N := \left(-\frac{\partial U_N}{\partial V_N}\right)$	

no	var	equ	quations	token
45	15	115	$p_N := \operatorname{Instantiate}(p_N, \#)$	
44	65	46	$d_A := \operatorname{sign}\left(F_{N,A} \stackrel{N}{\star} p_N\right)$	
43	4	3	0.5 := Instantiate(#, #)	
42	21	12	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
41	77	55	$T_{NK} := P_{N,NK} \stackrel{N}{\star} T_N$	
40	89	65	$K_{NK} := K^o{}_K \odot exp((-E_{aNK}) \cdot \left(R_N \stackrel{N}{\star} P_{N,NK} \cdot T_{NK}\right)^{-1})$	
39	116	92	$\phi_{KS} := \prod \left(c_{KS} \cdot \left(c^o_{KS} \right)^{-1} \right)$	
38	98	74	$\hat{V}_A := (\rho_N)^{-1} \cdot k_{xN}^c \cdot A_{yzN} \cdot D_{N,A} \stackrel{N}{\star} p_N$	
37	109	85	$c_{AS} := (0.5 \cdot (F_{NS,AS} - d_A \odot F_{NS,AS})) \overset{NS}{\star} c_{NS}$	
36	95	71	$A_{yzN} := r_{yN} \cdot r_{zN}$	
35	54	137	$k_{xNS}^d := \text{Instantiate}(k_{xNS}^d, \#)$	
34	54	41	$k_{xNS}^d := (\mu_{NS})^{-1} \cdot \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}} \right) \right)$	
33	45	114	$\mu_{NS} := \text{Instantiate}(\mu_{NS}, \#)$	
32	45	32	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
31	93	69	$N_{NS,NK} := P_{S,NS} \stackrel{S}{\star} \left(\left(P_{K,NK} . T_{NK} . (T_{NK})^{-1} \right) \stackrel{K}{\star} N_{S,K} \right)$	
30	117	93	$\xi_{NK} := K_{NK} \cdot P_{NK,KS} \stackrel{KS}{\star} \phi_{KS}$	
29	110	86	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
28	73	51	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
27	104	80	$\hat{n}^d_{AS} := A_{yzN} \odot \left(-k_{xNS}^d \right) \cdot D_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
26	118	94	$\tilde{n}_{NS} := V_N \odot \left(N_{NS,NK} \stackrel{NK}{\star} \xi_{NK} \right)$	

no	var	equ	quations	token
25	111	87	$\hat{n}^c{}_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^c{}_{AS}$	
24	105	81	$\hat{n}^d_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^d_{AS}$	
23	2	1	0 := Instantiate(#, #)	
22	8	5	$t_e := \text{Instantiate}(t, \#)$	
21	7	4	$t_o := \operatorname{Instantiate}(t, \#)$	
20	150	124	$n^o_{NS} := \text{Instantiate}(n_{NS}, \#)$	
19	119	95	$\dot{n}_{NS} := \hat{n}^c{}_{NS} + \hat{n}^d{}_{NS} + \tilde{n}_{NS}$	
18	119	129	$\dot{n}_{NS} := \operatorname{Instantiate}(\dot{n}_{NS}, 0)$	
17	42	116	$n_{NS} := \int_{t_o}^{t_e} \dot{n}_{NS} \ dt + n^o_{NS}$	
16	165	161	$n^t_N := 1_{NS} \overset{S \in NS}{\star} c_{NS}$	
15	108	127	$c_{NS} := \operatorname{Instantiate}(c_{NS}, \#)$	
14	108	84	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
13	183	179	$i_{NS} := P_{N,NS} \overset{N}{\star} i_{N}$	
12	191	194	$k^{e,\xi}_N := \text{Instantiate}(k^{e,\xi}_N, \#)$	
11	166	162	$\xi_{NS} := (n^t_N)^{-1} \odot c_{NS}$	
10	185	181	$k^{e,\xi}_N := (U^e_N)^{-1} \cdot \left(i_{NS} \overset{S \in NS}{\star} ln(\xi_{NS})\right)$	
9	182	195	$k^e_N := k^{e,\xi}{}_N \overset{S \in NS}{\star} \xi_{NS}$	
8	182	178	$k^e_N := i_N \cdot (U^e_N)^{-1}$	
7	160	182	$U^e_N := \left(k^{e,\xi}_N\right)^{-1} \cdot i_N$	
6	160	156	$U^e_N := (C_N)^{-1} \cdot U_N$	

no	var	equ	quations	token
5	160	177	$U^e_N := \text{Instantiate}(U^e_N, \#)$	
4	173	197	$i_N := 1_N \cdot i$	
3	173	196	$i_N := k^e_{\ N} \cdot U^e_{\ N}$	
2	173	168	$egin{aligned} i_N := k^e{}_N . U^e{}_N \ i_N := rac{dC_N}{dt} \end{aligned}$	
1	187	198	$i := Root(i_N)$	
0	188	191	$i_A := 1_A \cdot i$	