${\bf Equation\ assignment\ sequence\ for\ variable\ } intensities$

no	var	equ	quations	token
62	26	-	$A^v::$ port variable	
61	64	_	$P_{NS,KS}$:: port variable	
60	29	_	$\lambda_S:: ext{port variable}$	
59	9	_	r_{xN} :: port variable	
58	88	_	$K^{o}_{K}::$ port variable	
57	62	_	$P_{N,NK}$:: port variable	
56	127	_	$D_{N,A}$:: port variable	
55	23	_	r_{zN} :: port variable	
54	10	_	r_{yN} :: port variable	
53	86	_	$N_{S,K}$:: port variable	
52	61	_	$P_{S,NS}$:: port variable	
51	60	_	$P_{K,NK}$:: port variable	
50	63	_	$P_{NK,KS}$:: port variable	
49	59	_	$P_{NS,AS}$:: port variable	
48	5	_	$F_{N,A}$:: port variable	
47	128	_	$D_{NS,AS}$:: port variable	
46	6	_	t:: port variable	
45	12	_	S_N :: port variable	
44	11	_	U_N :: port variable	

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no	var	equ	quations	token
43	1	-	# :: port variable	
42	13	_	V_N :: port variable	
41	27	16	$Bo_N := \operatorname{Instantiate}(S_N, \#)$	
40	69	47	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
39	87	64	$E_{aNK} := \text{Instantiate}(P_{N,NK} \stackrel{N}{\star} R_N . T_{NK}, \#)$	
38	28	17	$R_N := A^v \cdot Bo_N$	
37	115	91	$c^o_{KS} := \operatorname{Instantiate}(c_{KS}, \#)$	
36	114	90	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
35	71	49	$\rho_N := m_N \cdot (V_N)^{-1}$	
34	50	37	$k_{xN}^c := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1}\right) \cdot (V_N)^{-1} \cdot \frac{\partial U_N}{\partial p_N} \cdot v_{xN}$	
33	65	46	$d_A := \operatorname{sign}\left(F_{N,A} \stackrel{N}{\star} p_N\right)$	
32	$\mid 4$	3	0.5 := Instantiate(#, #)	
31	21	12	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
30	77	55	$T_{NK} := P_{N,NK} \stackrel{N}{\star} T_N$	
29	89	65	$K_{NK} := K^o{}_K \odot exp((-E_{aNK}) \cdot \left(R_N \stackrel{N}{\star} P_{N,NK} \cdot T_{NK}\right)^{-1})$	
28	116	92	$\phi_{KS} := \prod \left(c_{KS} \cdot \left(c^o_{KS} \right)^{-1} \right)$	
27	98	74	$\hat{V}_A := (\rho_N)^{-1} \cdot k_{xN}^c \cdot A_{yzN} \cdot D_{N,A} \stackrel{N}{\star} p_N$	
26	109	85	$c_{AS} := (0.5 \cdot (F_{NS,AS} - d_A \odot F_{NS,AS})) \overset{NS}{\star} c_{NS}$	
25	95	71	$A_{yzN} := r_{yN} \cdot r_{zN}$	
24	54	41	$k_{xNS}^d := (\mu_{NS})^{-1} \cdot \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}} \right) \right)$	

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no	var	equ	quations	token
23	93	69	$N_{NS,NK} := P_{S,NS} \stackrel{S}{\star} \left(\left(P_{K,NK} \cdot T_{NK} \cdot \left(T_{NK} \right)^{-1} \right) \stackrel{K}{\star} N_{S,K} \right)$	
22	117	93	$\xi_{NK} := K_{NK} \cdot P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	
21	110	86	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
20	73	51	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
19	104	80	$\hat{n}^d_{AS} := A_{yzN} \odot \left(-k_{xNS}^d \right) \cdot D_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
18	118	94	$ ilde{n}_{NS} := V_N \odot \left(N_{NS,NK} \stackrel{NK}{\star} \xi_{NK} \right)$	
17	111	87	$\hat{n}^c{}_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^c{}_{AS}$	
16	105	81	$\hat{n}^d_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^d_{AS}$	
15	2	1	0 := Instantiate(#, #)	
14	8	5	$t_e := \text{Instantiate}(t, \#)$	
13	7	4	$t_o := \operatorname{Instantiate}(t, \#)$	
12	150	124	$n^o_{NS} := \text{Instantiate}(n_{NS}, \#)$	
11	119	95	$\dot{n}_{NS} := \hat{n}^c{}_{NS} + \hat{n}^d{}_{NS} + \tilde{n}_{NS}$	
10	119	129	$\dot{n}_{NS} := \operatorname{Instantiate}(\dot{n}_{NS}, 0)$	
9	42	116	$n_{NS} := \int_{t_o}^{t_e} \dot{n}_{NS} \ dt + n^o_{NS}$	
8	45	114	$\mu_{NS} := \text{Instantiate}(\mu_{NS}, \#)$	
7	45	32	$\mu_{NS} := rac{\partial U_N}{\partial n_{NS}}$	
6	16	7	$T_N := \frac{\partial U_N}{\partial S_N}$	
5	16	113	$T_N := \operatorname{Instantiate}(T_N, \#)$	
4	15	6	$p_N := \left(-\frac{\partial U_N}{\partial V_N}\right)$	

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no	var	equ	quations	token
3	15	115	$p_N := \operatorname{Instantiate}(p_N, \#)$	
2	108	127	$c_{NS} := \operatorname{Instantiate}(c_{NS}, \#)$	
1	108	84	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
0	152	126	$intensities := MixedStack (p_N, T_N, \mu_{NS}, c_{NS})$	