Equation assignment sequence for variable k_{xN}^c

no	var	equ	quations	token
94	V_147	_	P_{NK} :: port variable	
93	V_183	_	$k^{d,Fick}_{NS}$:: port variable	
92	V_200	_	$I_{NS,AS}$:: port variable	
91	V_155	_	B:: port variable	
90	V_12	_	r_{zN} :: port variable	
89	V_11	_	r_{yN} :: port variable	
88	V_201	_	$I_{N,A}$:: port variable	
87	V_38	_	K^{o}_{K} :: port variable	
86	V_33	_	$P_{K,NK}$:: port variable	
85	V_158	_	$N_{K,KS}$:: port variable	
84	V_90	_	$D_{N,A}$:: port variable	
83	V_91	_	$D_{NS,AS}$:: port variable	
82	V_36	_	$P_{NS,KS}$:: port variable	
81	V_35	_	$P_{N,NK}$:: port variable	
80	V_8	_	$F_{N,A}$:: port variable	
79	V_70	_	$F_{NS,AS}$:: port variable	
78	V_127	-	1_S :: port variable	
77	V_1	_	# :: port variable	

no	var	equ	quations	token
76	V ₁ 4	-	S_N :: port variable	
75	V_24	-	A^v :: port variable	
74	V_5	_	t:: port variable	
73	V_10	_	r_{xN} :: port variable	
72	V_40	_	λ_S :: port variable	
71	V_15	_	V_N :: port variable	
70	V_13	_	U_N :: port variable	
69	V_41	E_20	$\lambda_S := \lambda_S$	
68	V_57	E ₃ 6	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
67	V_67	E_45	$_c_{NS} := c_{NS}$	
66	V_58	E ₃ 7	$_m_N := m_N$	
65	V_52	E_31	$k_{xNS}^d := (\mu_{NS})^{-1} \cdot \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}} \right) \right)$	
64	V_152	E_124	$c^{o}_{NK,KS} := \text{Instantiate}(c_{NK,KS}, \#)$	
63	V_151	E_123	$c_{NK,KS} := P_{NK} \cdot \left(P_{NS,KS} \overset{NS}{\star} _ c_{NS} \right)$	
62	V_59	E_38	$\rho_N := \underline{\hspace{0.1cm}} m_N \cdot (V_N)^{-1}$	
61	V_56	E_35	$h_{NS} := H_N \odot \left(n_{NS} \right)^{-1}$	
60	V ₁ 88	E_154	$k^{d,Fick}{}_{AS} := I_{NS,AS} \overset{NS}{\star} k^{d,Fick}{}_{NS}$	
59	V_194	$E_{1}60$	$k_{xAS}^d := I_{NS,AS} \overset{NS}{\star} k_{xNS}^d$	
58	V_62	E_41	$E^{a}_{NK} := Instantiate(R.T_{NK}, \#)$	
57	V_60	E ₃ 9	$T_{NK} := P_{N,NK} \stackrel{N}{\star} T_N$	

no	var	equ	quations	token
56	V ₁ 57	$E_{1}27$	$R := A^v \cdot B$	
55	V_153	E_125	$x_{NK,KS} := \left(c^{o}_{NK,KS}\right)^{-1} \cdot c_{NK,KS}$	
54	V_97	E_72	$d_A := \operatorname{sign}\left(F_{N,A} \stackrel{N}{\star} p_N\right)$	
53	V_4	\mathbb{E}_3	0.5 := Instantiate(#, #)	
52	V ₈ 1	E_58	$_k_{xN}^c := k_{xN}^c$	
51	V_74	E_51	$_ ho_N := ho_N$	
50	V ₇ 1	E_48	$A_{yzN} := r_{yN} \cdot r_{zN}$	
49	V_75	E_52	$_h_{NS} := h_{NS}$	
48	V ₆ 6	E_44	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
47	V_205	E_169	$_{-}k^{d,Fick,A}{}_{AS} := k^{d,Fick}{}_{AS}$	
46	V_215	E_179	$A_{yzA} := I_{N,A} \stackrel{N}{\star} A_{yzN}$	
45	V_209	E_173	$-k_{xAS}^d := k_{xAS}^d$	
44	V_63	E_42	$K_{NK} := K^o{}_K \odot exp((-E^a{}_{NK}) \cdot (R \cdot T_{NK})^{-1})$	
43	V_160	E_129	$\phi_{NK} := \prod_{KS} x_{NK,KS}^{N_{NK,KS}}$	
42	V_159	E_128	$N_{NK,KS} := P_{K,NK} \stackrel{K}{\star} N_{K,KS}$	
41	V_98	E_73	$c_{AS} := (0.5 \cdot (F_{NS,AS} - d_A \odot F_{NS,AS})) \overset{NS}{\star} c_{NS}$	
40	V_92	E_140	$\hat{V}_A := \text{Instantiate}(\hat{V}_A, \#)$	
39	V_92	E_67	$\hat{V}_A := (\underline{}_{\rho_N})^{-1} \cdot \underline{}_{x_N}^c \cdot A_{yz_N} \cdot D_{N,A} \stackrel{N}{\star} p_N$	
38	V_95	E_70	$\hat{H}^d{}_A := \left(F_{NS,AS} \overset{NS}{\star} \underline{\hspace{0.1cm}} h_{NS} \right) \overset{S \in AS}{\star} \hat{n}^d{}_{AS}$	
37	V ₁ 06	E ₈ 1	$\hat{q}_{xA} := (A_{yzN} \cdot \underline{k}_{xN}^q \cdot D_{N,A}) \stackrel{N}{\star} T_N$	

no	var	equ	quations	token
36	V ₁ 04	E ₇ 9	$\hat{w}_A := \text{Instantiate}(\hat{H}^c{}_A, \#)$	
35	V_102	E_77	$\hat{H}^c{}_A := \left(F_{NS,AS} \overset{NS}{\star} \underline{\hspace{0.1cm}} h_{NS} \right) \overset{S \in AS}{\star} \hat{n}^c{}_{AS}$	
34	V_93	E_152	$\hat{n}^d_{AS} := A_{yzA} \odot \left(- \underline{} k^{d,Fick,A}_{AS} \right) \cdot D_{NS,AS} \overset{NS}{\star} c_{NS}$	
33	V_93	E ₆ 8	$\hat{n}^d_{AS} := A_{yzA} \odot \left(- \underline{k}_{xAS}^d \right) \cdot D_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
32	V_163	$E_{1}30$	$\tilde{n}_{NS} := V_N \overset{N}{\star} \left(P_{N,NK} \overset{NK}{\star} \left((K_{NK} \cdot \phi_{NK}) \cdot \left(P_{NS,KS} \overset{KS}{\star} N_{NK,KS} \right) \right) \right)$	
31	V_99	E_74	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
30	V_42	E_21	$C_{pN} := \frac{\partial H_N}{\partial T_N}$	
29	V ₉ 6	E ₇ 1	$\hat{H}^d{}_N := F_{N,A} \stackrel{A}{\star} \hat{H}^d{}_A$	
28	V_107	E_82	$\hat{q}_N := F_{N,A} \stackrel{A}{\star} \hat{q}_{xA}$	
27	V_105	E_80	$\hat{w}_N := F_{N,A} \stackrel{A}{\star} \hat{w}_A$	
26	V_103	E ₇ 8	$\hat{H}^c{}_N := F_{N,A} \stackrel{A}{\star} \hat{H}^c{}_A$	
25	$V_{9}4$	E_69	$\hat{n}^d_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^d_{AS}$	
24	V ₁ 64	E_131	$\tilde{n}_{NS} := \tilde{n}_{NS}$	
23	V_100	E_75	$\hat{n}^c{}_{NS} := F_{NS,AS} \stackrel{AS}{\star} \hat{n}^c{}_{AS}$	
22	V_82	E_59	$_Cp_N := C_{pN}$	
21	V_218	E_183	$T^{ref}_{N} := \operatorname{Instantiate}(T_{N}, -)$	
20	V_108	E_83	$\dot{H}_N := \hat{H}^c{}_N + \hat{H}^d{}_N + \hat{q}_N + \hat{w}_N$	
19	V_7	E_{5}	$t^e := \operatorname{Instantiate}(t, \#)$	
18	V_6	E_4	$t^o := \operatorname{Instantiate}(t, \#)$	
17	V ₁ 10	E_85	$n^o_{NS} := \text{Instantiate}(n_{NS}, \#)$	

no	var	equ	quations	token
16	V ₁ 01	E ₇ 6	$\dot{n}_{NS} := \hat{n}^c_{NS} + \hat{n}^d_{NS} + \tilde{n}^d_{NS} + \tilde{n}^d_{NS}$	
15	V_20	E_184	$H_N := Cp_N \cdot (T_N - T^{ref}_N)$	
14	V_20	E_9	$H_N := U_N - p_N \cdot V_N$	
13	V_20	E_87	$H_N := \int_{t^o}^{t^e} \dot{H}_N \ dt$	
12	V ₁ 68	E_134	$n_{tN} := 1_S \overset{S \in NS}{\star} n_{NS}$	
11	V_165	E_132	$B_N := \operatorname{Instantiate}(S_N, \#)$	
10	V ₁ 6	E_86	$n_{NS} := \int_{t^o}^{t^e} \dot{n}_{NS} \ dt + n^o_{NS}$	
9	V ₁ 8	E_185	$T_N := Root(H_N)$	
8	V_18	E_191	$T_N := Root\left(0_N\right)$	
7	V_18	$ ight E_7$	$T_N := \frac{\partial U_N}{\partial S_N}$	
6	V_169	E_135	$\xi_{NS} := \left(n_{tN}\right)^{-1} \odot n_{NS}$	
5	V_166	$E_{1}33$	$R_N := A^v \cdot B_N$	
4	V_28	E_15	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
3	V_19	\mathbb{E}_8	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
2	V_19		$\mu_{NS} := (R_N . T_N) \odot ln(\xi_{NS})$	
1	V_17	$\mid E_6 \mid$	$p_N := \left(-rac{\partial U_N}{\partial V_N} ight)$	
0	V ₄ 8	E_27	$k_{xN}^c := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1}\right) \cdot (V_N)^{-1} \cdot \frac{\partial U_N}{\partial p_N} \cdot v_{xN}$	