Equation assignment sequence for variable $\bar{T}$

no	var	equ	quations	token
101	9	-	$S_{I,p}$ :: port variable	
100	4	-	${F^{sink}}_{N,I}$ :: port variable	
99	198	-	${K^o}_K$ :: port variable	
98	197	-	${E^a}_K$ :: port variable	
97	26	-	$N_{S,K}$ :: port variable	
96	19	-	$A_{N,p,q}$ :: port variable	
95	10	-	$S_{I,q}$ :: port variable	
94	122	-	k^B :: port variable	
93	121	-	N^A :: port variable	
92	3	-	${F^{source}}_{N,I}$ :: port variable	
91	27	-	$I_{N,A}$ :: port variable	
90	2	-	$F_{N,A}$ :: port variable	
89	132	-	λ_S :: port variable	
88	25	-	r_{zN} :: port variable	
87	24	-	r_{yN} :: port variable	
86	23	-	r_{xN} :: port variable	
85	1	-	t :: port variable	
84	101	-	# :: port variable	

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no	var	equ	quations	token
83	109	-	S_N :: port variable	
82	108	-	U_N :: port variable	
81	164	175	$\_x := {F^{source}}_{N,I} \overset{N}{\star} x_{N,S}$	
80	166	174	$\_T := {F^{source}}_{N,I} \overset{N}{\star} T_N$	
79	165	172	$x := \left({F^{sink}}_{N,I} \cdot \_x_{I,S}\right) \overset{I}{\star} S_{I,p}$	
78	167	168	$T := \left({F^{sink}}_{N,I} \cdot \_T_I\right) \overset{I}{\star} S_{I,p}$	
77	168	166	$f := {x_{N,S,p}}^{((\lvert N_{S,K} \rvert))}$	
76	199	162	$K := {K^o}_K \,.\, \mathbf{exp}\left((-{E^a}_K) \,.\, (R \,.\, T_{N,p})^{-1}\right)$	
75	169	160	$\xi := \prod_S f_{N,S,K,p}$	
74	200	155	$\tilde{n} := A_{N,p,q} \overset{p}{\star} \left(N_{S,K} \overset{K}{\star} (K_{N,K,p} \,.\, \xi_{N,K,p})\right)$	
73	139	154	$n^t := \mathbf{reduceSum}\,(n_{N,S}, S)$	
72	143	153	$\rho := (V_N)^{-1} \,.\, m_N$	
71	201	150	$\_np := \mathbf{reduceSum}\left(\left(\left({F^{source}}_{N,I} \overset{N}{\star} \tilde{n}_{N,S,q}\right) \,.\, S_{I,q}\right), q\right)$	
70	120	149	$v_z := \frac{\partial {r_z}_N}{\partial t}$	
69	119	148	$v_y := \frac{\partial {r_y}_N}{\partial t}$	
68	161	147	$\mu^o := \mathbf{Instantiate}(\mu_{N,S}, \#)$	
67	140	145	$x := ({n^t}_N)^{-1} \,.\, n_{N,S}$	
66	123	142	$R := N^A \,.\, k^B$	
65	118	141	$v_x := \frac{\partial {r_x}_N}{\partial t}$	
64	189	139	$\rho := I_{N,A} \overset{N}{\star} \rho_N$	

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no	var	equ	quations	token
63	183	138	$k_x^c := I_{N,A} \overset{N}{\star} \left(\left(\lambda_S \overset{S}{\star} (\mu_{N,S})^{-1} \right) . (V_N)^{-1} . \frac{\partial U_N}{\partial p_N} . v_{xN} \right)$	
62	157	137	$d := \mathbf{sign} \left(F_{N,A} \overset{N}{\star} p_N \right)$	
61	104	136	$0.5 := \mathbf{Instantiate}(\#, \#)$	
60	202	133	$\tilde{n} := {F^{source}}_{N,I} \overset{I}{\star} \_np_{I,S}$	
59	195	132	$\dot{n}_x^d := F_{N,A} \overset{A}{\star} \hat{n}_{xA,S}^d$	
58	194	131	$\dot{n}_x^c := F_{N,A} \overset{A}{\star} \hat{n}_{xA,S}^c$	
57	188	130	$k_z^q := I_{N,A} \overset{N}{\star} \left((V_N)^{-1} . C_{pN} . v_{zN} \right)$	
56	187	129	$k_y^q := I_{N,A} \overset{N}{\star} \left((V_N)^{-1} . C_{pN} . v_{yN} \right)$	
55	186	128	$k_x^q := I_{N,A} \overset{N}{\star} \left((V_N)^{-1} . C_{pN} . v_{xN} \right)$	
54	182	127	$k_z^d := I_{N,A} \overset{N}{\star} \left((\mu_{N,S})^{-1} . \left(v_{zN} . \left((V_N)^{-1} . \frac{\partial U_N}{\partial \mu_{N,S}} \right) \right) \right)$	
53	192	125	$\hat{k}_z^{d,Fick} := I_{N,A} \overset{N}{\star} \left(v_{zN} . \frac{\partial U_N}{\partial \mu_{N,S}} . (n_{N,S})^{-1} \right)$	
52	148	124	$A_{xy} := r_{xN} . r_{yN}$	
51	191	123	$\hat{k}_y^{d,Fick} := I_{N,A} \overset{N}{\star} \left(v_{yN} . \frac{\partial U_N}{\partial \mu_{N,S}} . (n_{N,S})^{-1} \right)$	
50	149	122	$A_{xz} := r_{xN} . r_{zN}$	
49	181	120	$k_y^d := I_{N,A} \overset{N}{\star} \left((\mu_{N,S})^{-1} . \left(v_{yN} . \left((V_N)^{-1} . \frac{\partial U_N}{\partial \mu_{N,S}} \right) \right) \right)$	
48	180	119	$k_x^d := I_{N,A} \overset{N}{\star} \left((\mu_{N,S})^{-1} . \left(v_{xN} . \left((V_N)^{-1} . \frac{\partial U_N}{\partial \mu_{N,S}} \right) \right) \right)$	
47	114	118	$\mu := \frac{\partial U_N}{\partial n_{N,S}}$	
46	114	114	$\mu := {\mu^o}_{N,S} + R . T_N . \mathbf{ln} (x_{N,S})$	
45	190	111	$\hat{k}_x^{d,Fick} := I_{N,A} \overset{N}{\star} \left(v_{xN} . \frac{\partial U_N}{\partial \mu_{N,S}} . (n_{N,S})^{-1} \right)$	
44	150	110	$A_{yz} := r_{yN} . r_{zN}$	

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no	var	equ	quations	token
43	138	109	$c := (V_N)^{-1} \,.\, n_{N,S}$	
42	159	106	$\hat{V} := (\rho_A)^{-1} \,.\, k^c_{xA} \,.\, A_{yzN} \,.\, F_{N,A} \overset{N}{\star} p_N$	
41	158	103	$c := (0.5 \,.\, (F_{N,A} - d_A \,.\, \lvert F_{N,A} \rvert)) \overset{N}{\star} c_{N,S}$	
40	203	102	$n^o := \mathbf{Instantiate}(n_{N,S}, \#)$	
39	196	98	$\dot{n} := \dot{n}^c_{xN,S} + \dot{n}^d_{xN,S} + V_N \,.\, \tilde{n}_{N,S}$	
38	211	97	$\hat{w} := \mathbf{Instantiate}(\hat{q}_{xA}, \#)$	
37	153	95	$\hat{q}_z := k^q_{zA} \,.\, A_{xyN} \,.\, F_{N,A} \overset{N}{\star} T_N$	
36	152	93	$\hat{q}_y := k^q_{yA} \,.\, A_{xzN} \,.\, F_{N,A} \overset{N}{\star} T_N$	
35	151	91	$\hat{q}_x := k^q_{xA} \,.\, A_{yzN} \,.\, F_{N,A} \overset{N}{\star} T_N$	
34	156	89	$\hat{n}^d_z := k^d_{zA,S} \,.\, (A_{xyN} \,.\, F_{N,A}) \overset{N}{\star} \mu_{N,S}$	
33	156	86	$\hat{n}^d_z := \hat{k}^{d,Fick}_{zA,S} \,.\, (A_{xyN} \,.\, F_{N,A}) \overset{N}{\star} c_{N,S}$	
32	155	83	$\hat{n}^d_y := \hat{k}^{d,Fick}_{yA,S} \,.\, A_{xzN} \,.\, F_{N,A} \overset{N}{\star} c_{N,S}$	
31	155	81	$\hat{n}^d_y := k^d_{yA,S} \,.\, (A_{yzN} \,.\, F_{N,A}) \overset{N}{\star} \mu_{N,S}$	
30	154	78	$\hat{n}^d_x := k^d_{xA,S} \,.\, (A_{yzN} \,.\, F_{N,A}) \overset{N}{\star} \mu_{N,S}$	
29	154	74	$\hat{n}^d_x := \hat{k}^{d,Fick}_{xA,S} \,.\, A_{yzN} \,.\, F_{N,A} \overset{N}{\star} c_{N,S}$	
28	160	71	$\hat{n}^c_x := \hat{V}_A \,.\, c_{A,S}$	
27	136	70	$h := H_N \,.\, (n_{N,S})^{-1}$	
26	111	67	$n := \int_{t^o}^{t^e} \dot{n}_{N,S} \; dt + n^o{}_{N,S}$	
25	214	65	$\dot{w} := F_{N,A} \overset{A}{\star} \hat{w}_A$	
24	210	63	$\dot{q}_z := F_{N,A} \overset{A}{\star} \hat{q}_{zA}$	

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no	var	equ	quations	token
23	209	61	$\dot{q}_y := F_{N,A} \overset{A}{\star} \hat{q}_{yA}$	
22	208	59	$\dot{q}_x := F_{N,A} \overset{A}{\star} \hat{q}_{xA}$	
21	207	57	$\dot{H}^d_z := F_{N,A} \overset{A}{\star} \left(\hat{n}^d_{zA,S} \overset{S}{\star} h_{N,S} \right)$	
20	206	55	$\dot{H}^d_y := F_{N,A} \overset{A}{\star} \left(\hat{n}^d_{yA,S} \overset{S}{\star} h_{N,S} \right)$	
19	205	53	$\dot{H}^d_x := F_{N,A} \overset{A}{\star} \left(\hat{n}^d_{xA,S} \overset{S}{\star} h_{N,S} \right)$	
18	204	49	$\dot{H}^c_x := F_{N,A} \overset{A}{\star} \left(\hat{n}^c_{xA,S} \overset{S}{\star} h_{N,S} \right)$	
17	141	48	$c_p := C_{pN} \,.\, (m_N)^{-1}$	
16	141	47	$c_p := \mathbf{Instantiate}(c_{pN}, \#)$	
15	137	44	$m := \lambda_S \overset{S}{\star} n_{N,S}$	
14	112	43	$p := \frac{\partial U_N}{\partial V_N}$	
13	110	39	$V := r_{xN} \,.\, r_{yN} \,.\, r_{zN}$	
12	216	38	$H^o := \mathbf{Instantiate}(H_N, \#)$	
11	215	29	$\dot{H} := \dot{H}^c_{xN} + \dot{H}^d_{xN} + \dot{H}^d_{yN} + \dot{H}^d_{zN} + \dot{q}_{xN} + \dot{q}_{yN} + \dot{q}_{zN} + \dot{w}_N$	
10	106	28	$t^e := \mathbf{Instantiate}(t, \#)$	
9	105	27	$t^o := \mathbf{Instantiate}(t, \#)$	
8	222	26	$T^{ref} := \mathbf{Instantiate}(T_N, \#)$	
7	124	23	$C_p := m_N \,.\, c_{pN}$	
6	124	22	$C_p := \frac{\partial H_N}{\partial T_N}$	
5	115	19	$H := U_N - p_N \,.\, V_N$	
4	115	13	$H := \int_{t^o}^{t^e} \dot{H}_N \; dt + H^o{}_N$	

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no	var	equ	quations	token
3	223	11	$T^n := \mathbf{Instantiate}(T_N, \#)$	
2	113	8	$T := \frac{\partial U_N}{\partial S_N}$	
1	113	4	$T := H_N \,.\, (C_{pN})^{-1} + {T^{ref}}_N$	
0	224	1	$\bar{T} := T_N \,.\, ({T^n}_N)^{-1}$	