Equation assignment sequence for variable H

no	var	equ	quations	token
74	95	-	$P_{NS,KS}$ :: port variable	
73	101	-	${A^v}_N$ :: port variable	
72	20	-	S_N :: port variable	
71	105	-	${K^o}_K$ :: port variable	
70	13	-	$P_{N,NK}$ :: port variable	
69	98	-	$N_{S,K}$ :: port variable	
68	12	-	$P_{S,NS}$ :: port variable	
67	11	-	$P_{K,NK}$ :: port variable	
66	14	-	$P_{NK,KS}$ :: port variable	
65	15	-	r_{xN} :: port variable	
64	40	-	λ_S :: port variable	
63	17	-	r_{zN} :: port variable	
62	16	-	r_{yN} :: port variable	
61	9	-	$P_{NS,AS}$ :: port variable	
60	1	-	$F_{N,A}$ :: port variable	
59	3	-	$\#$ :: port variable	
58	21	-	V_N :: port variable	
57	19	-	U_N :: port variable	
56	2	-	t :: port variable	

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no	var	equ	quations	token
55	96	78	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
54	27	11	$B_N := Set(S_N, \#)$	
53	97	79	$c_{KS} := c_{KS}$	
52	108	87	$c^o{}_{KS} := Set(c_{KS}, \#)$	
51	94	77	$T_{NK} := T_{NK}$	
50	104	84	$E_{aNK} := Set(P_{N,NK} \overset{N}{\star} R_N \,.\, T_{NK}, \#)$	
49	103	83	$P_{N,NK} := P_{N,NK}$	
48	102	82	$R_N := A^v{}_N \,.\, B_N$	
47	23	8	$T_N := \frac{\partial U_N}{\partial S_N}$	
46	109	88	$\phi_{KS} := \prod \left(c_{KS} \,.\, (c^o{}_{KS})^{-1} \right)$	
45	106	85	$K_{NK} := K^o{}_K \odot exp((-E_{aNK}) \,.\, \left(R_N \overset{N}{\star} P_{N,NK} \,.\, T_{NK} \right)^{-1})$	
44	91	74	$T_{NK} := P_{N,NK} \overset{N}{\star} T_N$	
43	111	90	$N_{S,K} := N_{S,K}$	
42	110	89	$\phi_{KS} := \phi_{KS}$	
41	107	86	$K_{NK} := K_{NK}$	
40	113	92	$N_{NS,NK} := P_{S,NS} \overset{S}{\star} \left(\left(P_{K,NK} \,.\, T_{NK} \,.\, (T_{NK})^{-1} \right) \overset{K}{\star} N_{S,K} \right)$	
39	112	91	$\xi_{NK} := K_{NK} \,.\, P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	
38	61	44	$\lambda_S := \lambda_S$	
37	86	69	$\hat{n}^c_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^c_{AS}$	
36	129	108	$\hat{n}^d_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^d_{AS}$	

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no	var	equ	quations	token
35	114	93	$\tilde{n}_{NS} := V_N \odot \left(N_{NS,NK} \overset{NK}{\star} \xi_{NK} \right)$	
34	36	20	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
33	81	64	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
32	49	32	$k^c_{xN} := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1} \right) . (V_N)^{-1} . \frac{\partial U_N}{\partial p_N} . v_{xN}$	
31	137	118	$n^o{}_{NS} := Set(n_{NS}, \#)$	
30	132	111	$\dot{n}_{NS} := \hat{n}^c_{NS} + \hat{n}^d_{NS} + \tilde{n}_{NS}$	
29	53	36	$k^d_{xNS} := (\mu_{NS})^{-1} . \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}} \right) \right)$	
28	79	62	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
27	78	61	$d_A := \text{sign} \left(F_{N,A} \overset{N}{\star} p_N \right)$	
26	6	3	$1/2 := Set(\#, \#)$	
25	82	65	$\rho_N := (V_N)^{-1} . m_N$	
24	66	49	$k^c_{xN} := k^c_{xN}$	
23	18	119	$n_{NS} := \int_{t^o}^{t^e} \dot{n}_{NS} \ dt + n^o{}_{NS}$	
22	80	63	$A_{y,z_N} := r_{y_N} . r_{z_N}$	
21	70	53	$k^d_{xNS} := k^d_{xNS}$	
20	24	9	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
19	84	67	$c_{AS} := (1/2 . (F_{NS,AS} - d_A \odot \lvert F_{NS,AS} \rvert)) \overset{NS}{\star} c_{NS}$	
18	83	66	$\hat{V}_A := (\rho_N)^{-1} . k^c_{xN} . A_{y,z_N} . F_{N,A} \overset{N}{\star} p_N$	
17	60	43	$h_{NS} := H_N \odot (n_{NS})^{-1}$	
16	128	107	$\hat{n}^d_{AS} := A_{y,z_N} \odot \left(-k^d_{xNS} \right) . F_{NS,AS} \overset{NS}{\star} \mu_{NS}$	

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no	var	equ	quations	token
15	85	68	$\hat{n}^c_{AS} := \hat{V}_A \odot c_{AS}$	
14	119	98	$h_{NS} := h_{NS}$	
13	10	6	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
12	135	114	$\hat{w}_A := Set(\hat{H}^c_A, \#)$	
11	130	109	$\hat{H}^d_A := \left(F_{NS,AS} \overset{NS}{\star} h_{NS}\right) \overset{S \in AS}{\star} \hat{n}^d_{AS}$	
10	125	104	$\hat{H}^c_A := \left(F_{NS,AS} \overset{NS}{\star} h_{NS}\right) \overset{S \in AS}{\star} \hat{n}^c_{AS}$	
9	136	115	$\hat{w}_N := F_{N,A} \overset{A}{\star} \hat{w}_A$	
8	131	110	$\hat{H}^d_N := F_{N,A} \overset{A}{\star} \hat{H}^d_A$	
7	127	106	$\hat{H}^c_N := F_{N,A} \overset{A}{\star} \hat{H}^c_A$	
6	22	7	$p_N := \frac{\partial U_N}{\partial V_N}$	
5	59	42	$t^e := Set(t, t)$	
4	58	41	$t^o := Set(t, t)$	
3	138	120	$H^o{}_N := Set(H_N, \#)$	
2	133	116	$\dot{H}_N := \hat{H}^c_N + \hat{H}^d_N + \hat{w}_N$	
1	29	13	$H_N := U_N + p_N \,.\, V_N$	
0	29	122	$H_N := \int_{t^o}^{t^e} \dot{H}_N \; dt + H^o{}_N$	