Equation assignment sequence for variable $\dot{H}$

no	var	equ	quations	token
39	2	-	t :: port variable	
38	15	-	r_x :: port variable	
37	40	-	Mm :: port variable	
36	21	-	V :: port variable	
35	17	-	r_z :: port variable	
34	16	-	r_y :: port variable	
33	19	-	U :: port variable	
32	18	-	n :: port variable	
31	9	-	$P_N S_A S$ :: port variable	
30	3	-	$value$ :: port variable	
29	1	-	F :: port variable	
28	61	44	$\lambda_S := \lambda_S$	
27	36	20	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
26	81	64	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
25	49	32	$k^c_{xN} := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1}\right) . (V_N)^{-1} . \frac{\partial U_N}{\partial p_N} . v_{xN}$	
24	53	36	$k^d_{xNS} := (\mu_{NS})^{-1} . \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}}\right)\right)$	
23	79	62	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
22	78	61	$d_A := \text{sign}\left(F_{N,A} \overset{N}{\star} p_N\right)$	

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no	var	equ	quations	token
21	6	3	$1/2 := Set(\#, \#)$	
20	82	65	$\rho_N := (V_N)^{-1} \,.\, m_N$	
19	66	49	$k^c_{xN} := k^c_{xN}$	
18	22	7	$p_N := \frac{\partial U_N}{\partial V_N}$	
17	29	13	$H_N := U_N + p_N \,.\, V_N$	
16	80	63	$A_{y,z_N} := r_{y_N} \,.\, r_{zN}$	
15	70	53	$k^d_{xNS} := k^d_{xNS}$	
14	24	9	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
13	84	67	$c_{AS} := (1/2 \,.\, (F_{NS,AS} - d_A \odot \lvert F_{NS,AS}\rvert)) \overset{NS}{\star} c_{NS}$	
12	83	66	$\hat{V}_A := (\rho_N)^{-1} \,.\, k^c_{xN} \,.\, A_{y,z_N} \,.\, F_{N,A} \overset{N}{\star} p_N$	
11	60	43	$h_{NS} := H_N \odot (n_{NS})^{-1}$	
10	128	107	$\hat{n}^d_{AS} := A_{y,z_N} \odot \left(-k^d_{xNS}\right) \,.\, F_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
9	85	68	$\hat{n}^c_{AS} := \hat{V}_A \odot c_{AS}$	
8	119	98	$h_{NS} := h_{NS}$	
7	10	6	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
6	135	114	$\hat{w}_A := Set(\hat{H}^c_A, \#)$	
5	130	109	$\hat{H}^d_A := \left(F_{NS,AS} \overset{NS}{\star} h_{NS}\right) \overset{S \in AS}{\star} \hat{n}^d_{AS}$	
4	125	104	$\hat{H}^c_A := \left(F_{NS,AS} \overset{NS}{\star} h_{NS}\right) \overset{S \in AS}{\star} \hat{n}^c_{AS}$	
3	136	115	$\hat{w}_N := F_{N,A} \overset{A}{\star} \hat{w}_A$	
2	131	110	$\hat{H}^d_N := F_{N,A} \overset{A}{\star} \hat{H}^d_A$	

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no	var	equ	quations	token
1	127	106	$\hat{H}_N^c := F_{N,A} \overset{A}{\star} \hat{H}_A^c$	
0	133	116	$\dot{H}_N := \hat{H}_N^c + \hat{H}_N^d + \hat{w}_N$	