Equation assignment sequence for variable H

no	var	equ	quations	token
44	29	-	λ_S :: port variable	
43	13	-	V_N :: port variable	
42	23	-	r_{zN} :: port variable	
41	10	-	r_{yN} :: port variable	
40	59	-	$P_{NS,AS}$ :: port variable	
39	128	-	$D_{NS,AS}$ :: port variable	
38	127	-	$D_{N,A}$ :: port variable	
37	5	-	$F_{N,A}$ :: port variable	
36	1	-	$\#$ :: port variable	
35	6	-	t :: port variable	
34	150	124	$n^o{}_{NS} := \text{Instantiate}(n_{NS}, \#)$	
33	69	47	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
32	42	116	$n_{NS} := \int_{t_o}^{t_e} \dot{n}_{NS} \; dt + n^o{}_{NS}$	
31	71	49	$\rho_N := m_N \,.\, (V_N)^{-1}$	
30	50	134	$k^c_{xN} := \text{Instantiate}(k^c_{xN}, \#)$	
29	15	115	$p_N := \text{Instantiate}(p_N, \#)$	
28	65	46	$d_A := \text{sign}\left(F_{N,A} \overset{N}{\star} p_N\right)$	
27	4	3	$0.5 := \text{Instantiate}(\#, \#)$	

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no	var	equ	quations	token
26	108	127	$c_{NS} := \text{Instantiate}(c_{NS}, \#)$	
25	108	84	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
24	98	74	$\hat{V}_A := (\rho_N)^{-1} \,.\, k^c_{xN} \,.\, A_{yzN} \,.\, D_{N,A} \overset{N}{\star} p_N$	
23	109	85	$c_{AS} := (0.5 \,.\, (F_{NS,AS} - d_A \odot \lvert F_{NS,AS} \rvert)) \overset{NS}{\star} c_{NS}$	
22	54	137	$k^d_{xNS} := \text{Instantiate}(k^d_{xNS}, \#)$	
21	45	114	$\mu_{NS} := \text{Instantiate}(\mu_{NS}, \#)$	
20	95	71	$A_{yzN} := r_{yN} \,.\, r_{zN}$	
19	34	131	$k^q_{xN} := \text{Instantiate}(k^q_{xN}, \#)$	
18	110	86	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
17	73	51	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
16	58	139	$h_{NS} := \text{Instantiate}(h_{NS}, \#)$	
15	104	80	$\hat{n}^d{}_{AS} := A_{yzN} \odot \left(-k^d_{xNS}\right) \,.\, D_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
14	124	100	$\hat{q}_A := A_{yzN} \,.\, k^q_{xN} \,.\, D_{N,A} \overset{N}{\star} T_N$	
13	122	98	$\hat{w}_A := \text{Instantiate}(\hat{H}^c{}_A, \#)$	
12	120	96	$\hat{H}^c{}_A := \left(F_{NS,AS} \overset{NS}{\star} h_{NS}\right) \overset{S \in AS}{\star} \hat{n}^c{}_{AS}$	
11	106	82	$\hat{H}^d{}_A := \left(F_{NS,AS} \overset{NS}{\star} h_{NS}\right) \overset{S \in AS}{\star} \hat{n}^d{}_{AS}$	
10	125	101	$\hat{q}_N := F_{N,A} \overset{A}{\star} \hat{q}_A$	
9	123	99	$\hat{w}_N := F_{N,A} \overset{A}{\star} \hat{w}_A$	
8	121	97	$\hat{H}^c{}_N := F_{N,A} \overset{A}{\star} \hat{H}^c{}_A$	
7	107	83	$\hat{H}^d{}_N := F_{N,A} \overset{A}{\star} \hat{H}^d{}_A$	

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no	var	equ	quations	token
6	2	1	$0 := \text{Instantiate}(\#, \#)$	
5	8	5	$t_e := \text{Instantiate}(t, \#)$	
4	7	4	$t_o := \text{Instantiate}(t, \#)$	
3	151	125	$H^o{}_N := \text{Instantiate}(H_N, \#)$	
2	126	102	$\dot{H}_N := \hat{H}^c{}_N + \hat{H}^d{}_N + \hat{q}_N + \hat{w}_N$	
1	126	128	$\dot{H}_N := \text{Instantiate}(\dot{H}_N, 0)$	
0	18	123	$H_N := \int_{t_o}^{t_e} \dot{H}_N \; dt + H^o{}_N$	