Equation assignment sequence for variable $\hat{n}^d$

no	var	equ	quations	token
44	64	-	$P_{NS,KS}$ :: port variable	
43	88	-	${K^o}_K$ :: port variable	
42	62	-	$P_{N,NK}$ :: port variable	
41	127	-	$D_{N,A}$ :: port variable	
40	86	-	$N_{S,K}$ :: port variable	
39	61	-	$P_{S,NS}$ :: port variable	
38	60	-	$P_{K,NK}$ :: port variable	
37	63	-	$P_{NK,KS}$ :: port variable	
36	13	-	V_N :: port variable	
35	6	-	t :: port variable	
34	23	-	r_{zN} :: port variable	
33	10	-	r_{yN} :: port variable	
32	1	-	$\#$ :: port variable	
31	11	-	U_N :: port variable	
30	59	-	$P_{NS,AS}$ :: port variable	
29	5	-	$F_{N,A}$ :: port variable	
28	128	-	$D_{NS,AS}$ :: port variable	
27	16	113	$T_N := \text{Instantiate}(T_N, \#)$	

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no	var	equ	quations	token
26	87	64	$E_{aNK} := \text{Instantiate}(P_{N,NK} \overset{N}{\star} R_N \,.\, T_{NK}, \#)$	
25	115	91	$c^o{}_{KS} := \text{Instantiate}(c_{KS}, \#)$	
24	114	90	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
23	71	49	$\rho_N := m_N \,.\, (V_N)^{-1}$	
22	15	115	$p_N := \text{Instantiate}(p_N, \#)$	
21	108	127	$c_{NS} := \text{Instantiate}(c_{NS}, \#)$	
20	108	84	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
19	77	55	$T_{NK} := P_{N,NK} \overset{N}{\star} T_N$	
18	89	65	$K_{NK} := K^o{}_K \odot exp((-E_{aNK}) \,.\, \left(R_N \overset{N}{\star} P_{N,NK} \,.\, T_{NK}\right)^{-1})$	
17	116	92	$\phi_{KS} := \prod \left(c_{KS} \,.\, (c^o{}_{KS})^{-1}\right)$	
16	98	74	$\hat{V}_A := (\rho_N)^{-1} \,.\, k^c_{xN} \,.\, A_{yzN} \,.\, D_{N,A} \overset{N}{\star} p_N$	
15	109	85	$c_{AS} := (0.5 \,.\, (F_{NS,AS} - d_A \odot \lvert F_{NS,AS} \rvert)) \overset{NS}{\star} c_{NS}$	
14	93	69	$N_{NS,NK} := P_{S,NS} \overset{S}{\star} \left(\left(P_{K,NK} \,.\, T_{NK} \,.\, (T_{NK})^{-1}\right) \overset{K}{\star} N_{S,K}\right)$	
13	117	93	$\xi_{NK} := K_{NK} \,.\, P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	
12	110	86	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
11	118	94	$\tilde{n}_{NS} := V_N \odot \left(N_{NS,NK} \overset{NK}{\star} \xi_{NK}\right)$	
10	111	87	$\hat{n}^c{}_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^c{}_{AS}$	
9	150	124	$n^o{}_{NS} := \text{Instantiate}(n_{NS}, \#)$	
8	119	95	$\dot{n}_{NS} := \hat{n}^c{}_{NS} + \hat{n}^d{}_{NS} + \tilde{n}_{NS}$	
7	42	116	$n_{NS} := \int_{t_o}^{t_e} \dot{n}_{NS} \; dt + n^o{}_{NS}$	

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no	var	equ	quations	token
6	95	71	$A_{yzN} := r_{yN} \,.\, r_{zN}$	
5	54	137	$k^d_{xNS} := \text{Instantiate}(k^d_{xNS}, \#)$	
4	45	114	$\mu_{NS} := \text{Instantiate}(\mu_{NS}, \#)$	
3	45	32	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
2	73	51	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
1	104	80	$\hat{n}^d{}_{AS} := A_{yzN} \odot \left(-k^d_{xNS}\right) \,.\, D_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
0	105	81	$\hat{n}^d{}_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^d{}_{AS}$	