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

no	var	equ	quations	token
59	14	-	S_N :: port variable	
58	147	-	P_{NK} :: port variable	
57	40	-	λ_S :: port variable	
56	24	-	A^v :: port variable	
55	155	-	B :: port variable	
54	8	-	$F_{N,A}$ :: port variable	
53	38	-	${K^o}_K$ :: port variable	
52	33	-	$P_{K,NK}$ :: port variable	
51	158	-	$N_{K,KS}$ :: port variable	
50	90	-	$D_{N,A}$ :: port variable	
49	36	-	$P_{NS,KS}$ :: port variable	
48	35	-	$P_{N,NK}$ :: port variable	
47	70	-	$F_{NS,AS}$ :: port variable	
46	10	-	r_{xN} :: port variable	
45	1	-	# :: port variable	
44	15	-	V_N :: port variable	
43	5	-	t :: port variable	
42	12	-	r_{zN} :: port variable	

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no	var	equ	quations	token
41	11	-	r_{yN} :: port variable	
40	13	-	U_N :: port variable	
39	91	-	$D_{NS,AS}$ :: port variable	
38	41	20	$\lambda_S := \lambda_S$	
37	57	36	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
36	67	45	$c_{NS} := c_{NS}$	
35	58	37	$m_N := m_N$	
34	18	7	$T_N := \frac{\partial U_N}{\partial S_N}$	
33	152	124	${c^o}_{NK,KS} := \text{Instantiate}(c_{NK,KS}, \#)$	
32	151	123	$c_{NK,KS} := P_{NK} \,.\, \left(P_{NS,KS} \overset{NS}{\star} c_{NS} \right)$	
31	48	27	$k^c_{xN} := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1} \right) \,.\, (V_N)^{-1} \,.\, \frac{\partial U_N}{\partial p_N} \,.\, v_{xN}$	
30	59	38	$\rho_N := m_N \,.\, (V_N)^{-1}$	
29	62	41	${E^a}_{NK} := \text{Instantiate}(R \,.\, T_{NK}, \#)$	
28	60	39	$T_{NK} := P_{N,NK} \overset{N}{\star} T_N$	
27	157	127	$R := A^v \,.\, B$	
26	153	125	$x_{NK,KS} := ({c^o}_{NK,KS})^{-1} \,.\, c_{NK,KS}$	
25	97	72	$d_A := \text{sign} \left(F_{N,A} \overset{N}{\star} p_N \right)$	
24	66	44	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
23	4	3	$0.5 := \text{Instantiate}(\#, \#)$	
22	81	58	$k^c_{xN} := k^c_{xN}$	

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no	var	equ	quations	token
21	74	51	$\rho_N := \rho_N$	
20	17	6	$p_N := \left(-\frac{\partial U_N}{\partial V_N}\right)$	
19	63	42	$K_{NK} := {K^o}_K \odot exp((-{E^a}_{NK}) \; . \; (R \, . \, T_{NK})^{-1})$	
18	160	129	$\phi_{NK} := \prod_{KS} {x_{NK,KS}}^{N_{NK,KS}}$	
17	159	128	$N_{NK,KS} := P_{K,NK} \overset{K}{\star} N_{K,KS}$	
16	98	73	$c_{AS} := (0.5 \; . \; (F_{NS,AS} - d_A \odot \lvert F_{NS,AS} \rvert)) \overset{NS}{\star} c_{NS}$	
15	92	67	$\hat{V}_A := (\rho_N)^{-1} \; . \, k^c_{xN} \, . \, A_{yzN} \, . \, D_{N,A} \overset{N}{\star} p_N$	
14	163	130	$\tilde{n}_{NS} := V_N \overset{N}{\star} \left(P_{N,NK} \overset{NK}{\star} \left((K_{NK} \, . \, \phi_{NK}) \; . \; \left(P_{NS,KS} \overset{KS}{\star} N_{NK,KS}\right)\right)\right)$	
13	99	74	$\hat{n}^c{}_{AS} := \hat{V}_A \odot c_{AS}$	
12	94	69	$\hat{n}^d{}_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^d{}_{AS}$	
11	164	131	$\tilde{n}_{NS} := \tilde{n}_{NS}$	
10	100	75	$\hat{n}^c{}_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^c{}_{AS}$	
9	28	15	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
8	7	5	$t^e := \text{Instantiate}(t, \#)$	
7	6	4	$t^o := \text{Instantiate}(t, \#)$	
6	101	76	$\dot{n}_{NS} := \hat{n}^c{}_{NS} + \hat{n}^d{}_{NS} + \tilde{n}_{NS}$	
5	52	31	$k^d_{xNS} := (\mu_{NS})^{-1} \; . \; \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}}\right)\right)$	
4	16	86	$n_{NS} := \int_{t^o}^{t^e} \dot{n}_{NS} \; dt$	
3	86	63	$k^d_{xNS} := k^d_{xNS}$	
2	71	48	$A_{yzN} := r_{yN} \, . \, r_{zN}$	

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no	var	equ	quations	token
1	19	8	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
0	93	68	$\hat{n}^d{}_{AS} := A_{yzN} \odot \left(-k^d_{xNS}\right) . D_{NS,AS} \overset{NS}{\star} \mu_{NS}$	