Equation assignment sequence for variable u

no	var	equ	quations	token
71	95	-	$P_{NS,KS}$ :: port variable	
70	40	-	λ_S :: port variable	
69	15	-	r_{xN} :: port variable	
68	101	-	${A^v}_N$ :: port variable	
67	105	-	${K^o}_K$ :: port variable	
66	17	-	r_{zN} :: port variable	
65	16	-	r_{yN} :: port variable	
64	13	-	$P_{N,NK}$ :: port variable	
63	98	-	$N_{S,K}$ :: port variable	
62	9	-	$P_{NS,AS}$ :: port variable	
61	1	-	$F_{N,A}$ :: port variable	
60	12	-	$P_{S,NS}$ :: port variable	
59	11	-	$P_{K,NK}$ :: port variable	
58	14	-	$P_{NK,KS}$ :: port variable	
57	3	-	$\#$ :: port variable	
56	2	-	t :: port variable	
55	21	-	V_N :: port variable	
54	20	-	S_N :: port variable	
53	19	-	U_N :: port variable	

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no	var	equ	quations	token
52	151	-	$F_{A,NS}$ :: port variable	
51	145	-	${c^n}_{NS}$ :: port variable	
50	144	-	${p^n}_{N}$ :: port variable	
49	146	-	$F_{N,A}$ :: port variable	
48	143	-	${T^n}_{N}$ :: port variable	
47	61	44	$\lambda_S := \lambda_S$	
46	96	78	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	
45	27	11	$B_N := Set(S_N, \#)$	
44	81	64	$m_N := \lambda_S \overset{S \in NS}{\star} n_{NS}$	
43	49	32	$k^c_{xN} := \left(\lambda_S \overset{S \in NS}{\star} (\mu_{NS})^{-1}\right) . (V_N)^{-1} . \frac{\partial U_N}{\partial p_N} . v_{xN}$	
42	36	20	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
41	97	79	$c_{KS} := c_{KS}$	
40	108	87	${c^o}_{KS} := Set(c_{KS}, \#)$	
39	94	77	$T_{NK} := T_{NK}$	
38	104	84	$E_{aNK} := Set(P_{N,NK} \overset{N}{\star} R_N . T_{NK}, \#)$	
37	103	83	$P_{N,NK} := P_{N,NK}$	
36	102	82	$R_N := {A^v}_N . B_N$	
35	78	61	$d_A := \text{sign}\left(F_{N,A} \overset{N}{\star} p_N\right)$	
34	6	3	$1/2 := Set(\#, \#)$	
33	82	65	$\rho_N := (V_N)^{-1} . m_N$	

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no	var	equ	quations	token
32	66	49	$k^c_{xN} := k^c_{xN}$	
31	53	36	$k^d_{xNS} := (\mu_{NS})^{-1} \,.\, \left(v_{xN} \odot \left((V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}}\right)\right)$	
30	109	88	$\phi_{KS} := \prod \left(c_{KS} \,.\, (c^o{}_{KS})^{-1}\right)$	
29	106	85	$K_{NK} := K^o{}_K \odot exp((-E_{aNK}) \,.\, \left(R_N \overset{N}{\star} P_{N,NK} \,.\, T_{NK}\right)^{-1})$	
28	84	67	$c_{AS} := (1/2 \,.\, (F_{NS,AS} - d_A \odot \lvert F_{NS,AS}\rvert)) \overset{NS}{\star} c_{NS}$	
27	83	66	$\hat{V}_A := (\rho_N)^{-1} \,.\, k^c_{xN} \,.\, A_{y,z_N} \,.\, F_{N,A} \overset{N}{\star} p_N$	
26	80	63	$A_{y,z_N} := r_{y_N} \,.\, r_{z_N}$	
25	70	53	$k^d_{xNS} := k^d_{xNS}$	
24	24	9	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	
23	91	74	$T_{NK} := P_{N,NK} \overset{N}{\star} T_N$	
22	111	90	$N_{S,K} := N_{S,K}$	
21	110	89	$\phi_{KS} := \phi_{KS}$	
20	107	86	$K_{NK} := K_{NK}$	
19	85	68	$\hat{n}^c_{AS} := \hat{V}_A \odot c_{AS}$	
18	128	107	$\hat{n}^d_{AS} := A_{y,z_N} \odot \left(-k^d_{xNS}\right) \,.\, F_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
17	10	6	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
16	113	92	$N_{NS,NK} := P_{S,NS} \overset{S}{\star} \left(\left(P_{K,NK} \,.\, T_{NK} \,.\, (T_{NK})^{-1}\right) \overset{K}{\star} N_{S,K}\right)$	
15	112	91	$\xi_{NK} := K_{NK} \,.\, P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	
14	86	69	$\hat{n}^c_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^c_{AS}$	
13	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
12	114	93	$\tilde{n}_{NS} := V_N \odot \left(N_{NS,NK} \overset{NK}{\star} \xi_{NK} \right)$	
11	59	42	$t^e := Set(t,t)$	
10	58	41	$t^o := Set(t,t)$	
9	137	118	$n^o{}_{NS} := Set(n_{NS}, \#)$	
8	132	111	$\dot{n}_{NS} := \hat{n}^c_{NS} + \hat{n}^d_{NS} + \tilde{n}_{NS}$	
7	18	119	$n_{NS} := \int_{t^o}^{t^e} \dot{n}_{NS} \; dt + n^o{}_{NS}$	
6	79	62	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
5	22	7	$p_N := \frac{\partial U_N}{\partial V_N}$	
4	23	8	$T_N := \frac{\partial U_N}{\partial S_N}$	
3	152	127	$s_{cA} := F_{A,NS} \overset{NS}{\star} \left(c_{NS} \,.\, (c^n{}_{NS})^{-1} \right)$	
2	149	126	$s_{pA} := F_{N,A} \overset{N}{\star} \left(p_N \,.\, (p^n{}_N)^{-1} \right)$	
1	148	125	$s_{TA} := F_{N,A} \overset{N}{\star} \left(T_N \,.\, (T^n{}_N)^{-1} \right)$	
0	153	128	$u_A := Stack \left(s_{TA}, s_{pA}, s_{cA} \right)$	