

## Equation assignment sequence for variable $\mu$

no	var	equ	quations	token
62	95	-	$P_{NS,KS} :: \text{port variable}$	
61	40	-	$\lambda_S :: \text{port variable}$	
60	15	-	$r_{xN} :: \text{port variable}$	
59	101	-	$A^v_N :: \text{port variable}$	
58	20	-	$S_N :: \text{port variable}$	
57	105	-	$K^o_K :: \text{port variable}$	
56	17	-	$r_{zN} :: \text{port variable}$	
55	16	-	$r_{yN} :: \text{port variable}$	
54	13	-	$P_{N,NK} :: \text{port variable}$	
53	98	-	$N_{S,K} :: \text{port variable}$	
52	9	-	$P_{NS,AS} :: \text{port variable}$	
51	1	-	$F_{N,A} :: \text{port variable}$	
50	12	-	$P_{S,NS} :: \text{port variable}$	
49	11	-	$P_{K,NK} :: \text{port variable}$	
48	14	-	$P_{NK,KS} :: \text{port variable}$	
47	21	-	$V_N :: \text{port variable}$	
46	3	-	$\# :: \text{port variable}$	
45	2	-	$t :: \text{port variable}$	
44	19	-	$U_N :: \text{port variable}$	

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no	var	equ	quations	token
43	61	44	$\lambda_S := \lambda_S$	
42	96	78	$c_{KS} := c_{NS} \stackrel{NS}{\star} P_{NS,KS}$	
41	27	11	$B_N := Set(S_N, \#)$	
40	81	64	$m_N := \lambda_S \stackrel{S \in NS}{\star} n_{NS}$	
39	49	32	$k_{xN}^c := \left( \lambda_S \stackrel{S \in NS}{\star} (\mu_{NS})^{-1} \right) \cdot (V_N)^{-1} \cdot \frac{\partial U_N}{\partial p_N} \cdot v_{xN}$	
38	36	20	$v_{xN} := \frac{\partial r_{xN}}{\partial t}$	
37	97	79	$c_{KS} := c_{KS}$	
36	108	87	$c_{KS}^o := Set(c_{KS}, \#)$	
35	94	77	$T_{NK} := T_{NK}$	
34	104	84	$E_{a_{NK}} := Set(P_{N,NK} \stackrel{N}{\star} R_N \cdot T_{NK}, \#)$	
33	103	83	$P_{N,NK} := P_{N,NK}$	
32	102	82	$R_N := A^v_N \cdot B_N$	
31	79	62	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	
30	78	61	$d_A := \text{sign} \left( F_{N,A} \stackrel{N}{\star} p_N \right)$	
29	6	3	$1/2 := Set(\#, \#)$	
28	82	65	$\rho_N := (V_N)^{-1} \cdot m_N$	
27	66	49	$k_{xN}^c := k_{xN}^c$	
26	22	7	$p_N := \frac{\partial U_N}{\partial V_N}$	
25	53	36	$k_{xNS}^d := (\mu_{NS})^{-1} \cdot \left( v_{xN} \odot \left( (V_N)^{-1} \odot \frac{\partial U_N}{\partial \mu_{NS}} \right) \right)$	
24	23	8	$T_N := \frac{\partial U_N}{\partial S_N}$	

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no	var	equ	quations	token
23	109	88	$\phi_{KS} := \prod (c_{KS} \cdot (c^o_{KS})^{-1})$	
22	106	85	$K_{NK} := K^o_K \odot \exp((-E_{a_{NK}}) \cdot (R_N \overset{N}{\star} P_{N,NK} \cdot T_{NK})^{-1})$	
21	84	67	$c_{AS} := (1/2 \cdot (F_{NS,AS} - d_A \odot  F_{NS,AS} )) \overset{NS}{\star} c_{NS}$	
20	83	66	$\hat{V}_A := (\rho_N)^{-1} \cdot k^c_{x_N} \cdot A_{y,z_N} \cdot F_{N,A} \overset{N}{\star} p_N$	
19	80	63	$A_{y,z_N} := r_{y_N} \cdot r_{z_N}$	
18	70	53	$k^d_{x_{NS}} := k^d_{x_{NS}}$	
17	91	74	$T_{NK} := P_{N,NK} \overset{N}{\star} T_N$	
16	111	90	$N_{S,K} := N_{S,K}$	
15	110	89	$\phi_{KS} := \phi_{KS}$	
14	107	86	$K_{NK} := K_{NK}$	
13	85	68	$\hat{n}^c_{AS} := \hat{V}_A \odot c_{AS}$	
12	128	107	$\hat{n}^d_{AS} := A_{y,z_N} \odot (-k^d_{x_{NS}}) \cdot F_{NS,AS} \overset{NS}{\star} \mu_{NS}$	
11	10	6	$F_{NS,AS} := F_{N,A} \odot P_{NS,AS}$	
10	113	92	$N_{NS,NK} := P_{S,NS} \overset{S}{\star} \left( (P_{K,NK} \cdot T_{NK} \cdot (T_{NK})^{-1}) \overset{K}{\star} N_{S,K} \right)$	
9	112	91	$\xi_{NK} := K_{NK} \cdot P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	
8	86	69	$\hat{n}^c_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^c_{AS}$	
7	129	108	$\hat{n}^d_{NS} := F_{NS,AS} \overset{AS}{\star} \hat{n}^d_{AS}$	
6	114	93	$\tilde{n}_{NS} := V_N \odot \left( N_{NS,NK} \overset{NK}{\star} \xi_{NK} \right)$	
5	59	42	$t^e := \text{Set}(t, t)$	
4	58	41	$t^o := \text{Set}(t, t)$	

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no	var	equ	quations	token
3	137	118	$n^o_{NS} := Set(n_{NS}, \#)$	
2	132	111	$\dot{n}_{NS} := \hat{n}^c_{NS} + \hat{n}^d_{NS} + \tilde{n}_{NS}$	
1	18	119	$n_{NS} := \int_{t^o}^{t^e} \dot{n}_{NS} \, dt + n^o_{NS}$	
0	24	9	$\mu_{NS} := \frac{\partial U_N}{\partial n_{NS}}$	