

Equation assignment sequence for variable  $\tilde{n}$ 

no	var	equ	quations	token
31	18	-	$n :: \text{port variable}$	mass
30	95	-	$P_N S_K S :: \text{port variable}$	
29	3	-	$value :: \text{port variable}$	
28	101	-	$Av :: \text{port variable}$	
27	20	-	$S :: \text{port variable}$	
26	19	-	$U :: \text{port variable}$	energy
25	105	-	$Ko :: \text{port variable}$	
24	13	-	$P_{NN}K :: \text{port variable}$	
23	98	-	$N :: \text{port variable}$	
22	12	-	$P_{SN}S :: \text{port variable}$	
21	11	-	$P_{KN}K :: \text{port variable}$	
20	14	-	$P_N K_K S :: \text{port variable}$	
19	21	-	$V :: \text{port variable}$	
18	79	62	$c_{NS} := (V_N)^{-1} \odot n_{NS}$	mass
17	96	78	$c_{KS} := c_{NS} \overset{NS}{\star} P_{NS,KS}$	mass
16	27	11	$B_N := Set(S_N, \#)$	
15	97	79	$c_{KS} := c_{KS}$	mass
14	108	87	$c^o_{KS} := Set(c_{KS}, \#)$	mass
13	94	77	$T_{NK} := T_{NK}$	energy

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no	var	equ	quations	token
12	104	84	$E_{a_{NK}} := Set(P_{N,NK} \overset{N}{\star} R_N . T_{NK}, \#)$	energy
11	103	83	$P_{N,NK} := P_{N,NK}$	
10	102	82	$R_N := Av_N . B_N$	
9	23	8	$T_N := \frac{\partial U_N}{\partial S_N}$	energy
8	109	88	$\phi_{KS} := \prod (c_{KS} . (c^o_{KS})^{-1})$	mass
7	106	85	$K_{NK} := K^o_K \odot exp((-E_{a_{NK}}) . (R_N \overset{N}{\star} P_{N,NK} . T_{NK})^{-1})$	energy
6	91	74	$T_{NK} := P_{N,NK} \overset{N}{\star} T_N$	energy
5	111	90	$N_{S,K} := N_{S,K}$	
4	110	89	$\phi_{KS} := \phi_{KS}$	mass
3	107	86	$K_{NK} := K_{NK}$	energy
2	113	92	$N_{NS,NK} := P_{S,NS} \overset{S}{\star} \left( (P_{K,NK} . T_{NK} . (T_{NK})^{-1}) \overset{K}{\star} N_{S,K} \right)$	energy
1	112	91	$\xi_{NK} := K_{NK} . P_{NK,KS} \overset{KS}{\star} \phi_{KS}$	energy, mass
0	114	93	$\tilde{n}_{NS} := V_N \odot \left( N_{NS,NK} \overset{NK}{\star} \xi_{NK} \right)$	mass