

Equation assignment sequence for variable dxy

no	var	equ	quations	token
27	3	-	$\# :: \text{port variable}$	
26	1	-	$t :: \text{port variable}$	
25	20	-	$M^{B,\delta}_N :: \text{port variable}$	
24	19	-	$M^{B,\gamma}_N :: \text{port variable}$	
23	18	-	$M^{A,\beta}_N :: \text{port variable}$	
22	17	-	$M^{A,\alpha}_N :: \text{port variable}$	
21	16	-	$K^{B,\delta}_A :: \text{port variable}$	
20	15	-	$K^{B,\gamma}_A :: \text{port variable}$	
19	14	-	$K^{A,\beta}_A :: \text{port variable}$	
18	8	-	$F_{N,A} :: \text{port variable}$	
17	13	-	$K^{A,\alpha}_A :: \text{port variable}$	
16	12	6	$y^o_N := \text{Instantiate}(y_N, \#)$	
15	7	4	$t_e := \text{Instantiate}(t, \#)$	
14	6	3	$t_o := \text{Instantiate}(t, \#)$	
13	11	5	$x^o_N := \text{Instantiate}(x_N, \#)$	
12	10	21	$y_N := \int_{t_o}^{t_e} \dot{y}_N \, dt + y^o_N$	
11	9	20	$x_N := \int_{t_o}^{t_e} \dot{x}_N \, dt + x^o_N$	
10	24	10	$\pi^{B,\delta}_N := M^{B,\delta}_N \cdot y_N$	
9	23	9	$\pi^{B,\gamma}_N := M^{B,\gamma}_N \cdot y_N$	

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no	var	equ	quations	token
8	22	8	$\pi^{A,\beta}_N := M^{A,\beta}_N \cdot x_N$	
7	21	7	$\pi^{A,\alpha}_N := M^{A,\alpha}_N \cdot x_N$	
6	28	15	$\hat{y}^{B,\delta}_N := F_{N,A} \stackrel{A}{\star} \left(K^{B,\delta}_A \cdot D_{N,A} \stackrel{N}{\star} \pi^{B,\delta}_N \right)$	
5	27	14	$\hat{y}^{B,\gamma}_N := F_{N,A} \stackrel{A}{\star} \left(K^{B,\gamma}_A \cdot D_{N,A} \stackrel{N}{\star} \pi^{B,\gamma}_N \right)$	
4	26	12	$\hat{x}^{A,\beta}_N := F_{N,A} \stackrel{A}{\star} \left(K^{A,\beta}_A \cdot D_{N,A} \stackrel{N}{\star} \pi^{A,\beta}_N \right)$	
3	25	11	$\hat{x}^{A,\alpha}_N := F_{N,A} \stackrel{A}{\star} \left(K^{A,\alpha}_A \cdot D_{N,A} \stackrel{N}{\star} \pi^{A,\alpha}_N \right)$	
2	30	17	$\dot{y}_N := \hat{y}^{B,\gamma}_N + \hat{y}^{B,\delta}_N$	
1	29	16	$\dot{x}_N := \hat{x}^{A,\alpha}_N + \hat{x}^{A,\beta}_N$	
0	35	34	$dxy := \text{MixedStack}(\dot{x}_N, \dot{y}_N)$	