Equation assignment sequence for variable dxy

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

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no	var	equ	quations	token
8	22	8	$\pi^{A,\beta}{}_N := M^{A,\beta}{}_N \,.\, x_N$	
7	21	7	$\pi^{A,\alpha}{}_N := M^{A,\alpha}{}_N \,.\, x_N$	
6	28	15	$\hat{y}^{B,\delta}{}_N := F_{N,A} \overset{A}{\star} \left(K^{B,\delta}{}_A \,.\, F_{N,A} \overset{N}{\star} \pi^{B,\delta}{}_N \right)$	
5	27	14	$\hat{y}^{B,\gamma}{}_N := F_{N,A} \overset{A}{\star} \left(K^{B,\gamma}{}_A \,.\, F_{N,A} \overset{N}{\star} \pi^{B,\gamma}{}_N \right)$	
4	26	12	$\hat{x}^{A,\beta}{}_N := F_{N,A} \overset{A}{\star} \left(K^{A,\beta}{}_A \,.\, F_{N,A} \overset{N}{\star} \pi^{A,\beta}{}_N \right)$	
3	25	11	$\hat{x}^{A,\alpha}{}_N := F_{N,A} \overset{A}{\star} \left(K^{A,\alpha}{}_A \,.\, F_{N,A} \overset{N}{\star} \pi^{A,\alpha}{}_N \right)$	
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	$\underline{\mathbf{x}\dot{\mathbf{y}}} := \mathrm{MixedStack}\,(\dot{x}_N, \dot{y}_N)$	