Equation assignment sequence for variable $\underline{\pi}^{A,B}$

no	var	equ	quations	token
33	16	-	${K^{B,\delta}}_A$ :: port variable	
32	15	-	${K^{B,\gamma}}_A$ :: port variable	
31	14	-	${K^{A,\beta}}_A$ :: port variable	
30	8	-	$F_{N,A}$ :: port variable	
29	13	-	${K^{A,\alpha}}_A$ :: port variable	
28	1	-	t_N :: port variable	
27	20	-	${M^{B,\delta}}_N$ :: port variable	
26	19	-	${M^{B,\gamma}}_N$ :: port variable	
25	18	-	${M^{A,\beta}}_N$ :: port variable	
24	17	-	${M^{A,\alpha}}_N$ :: port variable	
23	3	-	$\#$ :: port variable	
22	28	15	${\hat{x}^{B,\delta}}_N := F_{N,A} \overset{A}{\star} \left({K^{B,\delta}}_A \,.\, F_{N,A} \overset{N}{\star} {\pi^{B,\delta}}_N \right)$	
21	27	14	${\hat{x}^{B,\gamma}}_N := F_{N,A} \overset{A}{\star} \left({K^{B,\gamma}}_A \,.\, F_{N,A} \overset{N}{\star} {\pi^{B,\gamma}}_N \right)$	
20	26	12	${\hat{x}^{A,\beta}}_N := F_{N,A} \overset{A}{\star} \left({K^{A,\beta}}_A \,.\, F_{N,A} \overset{N}{\star} {\pi^{A,\beta}}_N \right)$	
19	25	11	${\hat{x}^{A,\alpha}}_N := F_{N,A} \overset{A}{\star} \left({K^{A,\alpha}}_A \,.\, F_{N,A} \overset{N}{\star} {\pi^{A,\alpha}}_N \right)$	
18	30	17	$\dot{y}_N := {\hat{x}^{B,\gamma}}_N + {\hat{x}^{B,\delta}}_N$	
17	12	6	${y^o}_N := \text{Instantiate}(y_N, \#)$	
16	7	4	$t_{eN} := \text{Instantiate}(t_N, \#)$	

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no	var	equ	quations	token
15	6	3	$t_{oN} := \text{Instantiate}(t_N, \#)$	
14	29	16	$\dot{x}_N := \hat{x}^{A,\alpha}{}_N + \hat{x}^{A,\beta}{}_N$	
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	30	$\pi^{B,\delta}{}_N := \text{Instantiate}(\pi^{B,\delta}{}_N, \#)$	
9	24	10	$\pi^{B,\delta}{}_N := M^{B,\delta}{}_N \,.\, y_N$	
8	23	29	$\pi^{B,\gamma}{}_N := \text{Instantiate}(\pi^{B,\gamma}{}_N, \#)$	
7	23	9	$\pi^{B,\gamma}{}_N := M^{B,\gamma}{}_N \,.\, y_N$	
6	22	28	$\pi^{A,\beta}{}_N := \text{Instantiate}(\pi^{A,\beta}{}_N, \#)$	
5	22	8	$\pi^{A,\beta}{}_N := M^{A,\beta}{}_N \,.\, x_N$	
4	21	7	$\pi^{A,\alpha}{}_N := M^{A,\alpha}{}_N \,.\, x_N$	
3	21	27	$\pi^{A,\alpha}{}_N := \text{Instantiate}(\pi^{A,\alpha}{}_N, \#)$	
2	32	25	$\underline{\pi}^B{}_N := \text{Stack}\left(\pi^{B,\gamma}{}_N, \pi^{B,\delta}{}_N\right)$	
1	31	24	$\underline{\pi}^A{}_N := \text{Stack}\left(\pi^{A,\alpha}{}_N, \pi^{A,\beta}{}_N\right)$	
0	33	26	$\underline{\pi}^{A,B} := \text{MixedStack}\left(\underline{\pi}^A{}_N, \underline{\pi}^B{}_N\right)$	