Equation assignment sequence for variable s

no	var	equ	quations	token
31	18	-	${M^{A,\beta}}_N$ :: port variable	
30	17	-	${M^{A,\alpha}}_N$ :: port variable	
29	20	-	${M^{B,\delta}}_N$ :: port variable	
28	19	-	${M^{B,\gamma}}_N$ :: port variable	
27	14	-	${K^{A,\beta}}_A$ :: port variable	
26	13	-	${K^{A,\alpha}}_A$ :: port variable	
25	16	-	${K^{B,\delta}}_A$ :: port variable	
24	8	-	$F_{N,A}$ :: port variable	
23	36	-	$D_{N,A}$ :: port variable	
22	15	-	${K^{B,\gamma}}_A$ :: port variable	
21	3	-	$\#$ :: port variable	
20	1	-	t :: port variable	
19	22	8	${\pi^{A,\beta}}_N := {M^{A,\beta}}_N \,.\, x_N$	
18	21	7	${\pi^{A,\alpha}}_N := {M^{A,\alpha}}_N \,.\, x_N$	
17	24	10	${\pi^{B,\delta}}_N := {M^{B,\delta}}_N \,.\, y_N$	
16	23	9	${\pi^{B,\gamma}}_N := {M^{B,\gamma}}_N \,.\, y_N$	
15	26	12	$\hat{x}^{A,\beta}{}_N := F_{N,A} \overset{A}{\star} \left({K^{A,\beta}}_A \,.\, D_{N,A} \overset{N}{\star} {\pi^{A,\beta}}_N \right)$	
14	25	11	$\hat{x}^{A,\alpha}{}_N := F_{N,A} \overset{A}{\star} \left({K^{A,\alpha}}_A \,.\, D_{N,A} \overset{N}{\star} {\pi^{A,\alpha}}_N \right)$	

Continued on next page

no	var	equ	quations	token
13	5	2	$0 := \text{Instantiate}(\#, \#)$	
12	28	15	$\hat{y}^{B,\delta}{}_N := F_{N,A} \overset{A}{\star} \left(K^{B,\delta}{}_A \,.\, D_{N,A} \overset{N}{\star} \pi^{B,\delta}{}_N \right)$	
11	27	14	$\hat{y}^{B,\gamma}{}_N := F_{N,A} \overset{A}{\star} \left(K^{B,\gamma}{}_A \,.\, D_{N,A} \overset{N}{\star} \pi^{B,\gamma}{}_N \right)$	
10	29	32	$\dot{x}_N := \text{Instantiate}(\dot{x}_N, 0)$	
9	29	16	$\dot{x}_N := \hat{x}^{A,\alpha}{}_N + \hat{x}^{A,\beta}{}_N$	
8	11	5	$x^o{}_N := \text{Instantiate}(x_N, \#)$	
7	7	4	$t_e := \text{Instantiate}(t, \#)$	
6	6	3	$t_o := \text{Instantiate}(t, \#)$	
5	30	33	$\dot{y}_N := \text{Instantiate}(\dot{y}_N, 0)$	
4	30	17	$\dot{y}_N := \hat{y}^{B,\gamma}{}_N + \hat{y}^{B,\delta}{}_N$	
3	12	6	$y^o{}_N := \text{Instantiate}(y_N, \#)$	
2	9	20	$x_N := \int_{t_o}^{t_e} \dot{x}_N \; dt + x^o{}_N$	
1	10	21	$y_N := \int_{t_o}^{t_e} \dot{y}_N \; dt + y^o{}_N$	
0	34	31	$s := \text{MixedStack}\,(x_N, y_N)$	