## Equation assignment sequence for variable x

no	var	equ	quations	token
17	18	-	$M^{A,\beta}{}_N::$ port variable	
16	17	_	$M^{A,\alpha}{}_N$ :: port variable	
15	14	_	$K^{A,\beta}{}_A :: \text{port variable}$	
14	8	_	$F_{N,A}$ :: port variable	
13	13	_	$K^{A,\alpha}{}_A :: $ port variable	
12	3	_	# :: port variable	
11	1	_	t:: port variable	
10	22	28	$\pi^{A,\beta}{}_{N} := \operatorname{Instantiate}(\pi^{A,\beta}{}_{N}, \#)$	
9	22	8	$\pi^{A,\beta}{}_N := M^{A,\beta}{}_N \cdot x_N$	
8	21	7	$\pi^{A,\alpha}{}_N := M^{A,\alpha}{}_N \cdot x_N$	
7	21	27	$\pi^{A,\alpha}{}_{N} := \operatorname{Instantiate}(\pi^{A,\alpha}{}_{N}, \#)$	
6	26	12	$\hat{x}^{A,\beta}{}_{N} := F_{N,A} \stackrel{A}{\star} \left( K^{A,\beta}{}_{A} \cdot D_{N,A} \stackrel{N}{\star} \pi^{A,\beta}{}_{N} \right)$	
5	25	11	$\hat{x}^{A,\alpha}{}_{N} := F_{N,A} \stackrel{A}{\star} \left( K^{A,\alpha}{}_{A} \cdot D_{N,A} \stackrel{N}{\star} \pi^{A,\alpha}{}_{N} \right)$	
4	7	4	$t_e := \text{Instantiate}(t, \#)$	
3	6	3	$t_o := \operatorname{Instantiate}(t, \#)$	
2	29	16	$\dot{x}_N := \hat{x}^{A,\alpha}{}_N + \hat{x}^{A,\beta}{}_N$	
1	11	5	$x^o_N := \text{Instantiate}(x_N, \#)$	
0	9	20	$x_N := \int_{t_o}^{t_e} \dot{x}_N \ dt + x^o{}_N$	