Equation assignment sequence for variable x

no	var	equ	quations	token
11	139	-	m_A :: port variable	
10	1	-	$\#$ :: port variable	
9	6	-	t :: port variable	
8	129	-	$I_{N,D}$ :: port variable	
7	135	146	${y^o}_A := \text{Instantiate}({y^o}_A, \#)$	
6	143	149	$B_{A,D} := \text{Instantiate}(B_{A,D}, \#)$	
5	142	148	$A_{N,D} := \text{Instantiate}(A_{N,D}, \#)$	
4	140	104	$e_A := m_A - {y^o}_A$	
3	8	5	$t_e := \text{Instantiate}(t, \#)$	
2	7	4	$t_o := \text{Instantiate}(t, \#)$	
1	144	106	$\dot{x}_D := A_{N,D} \overset{N}{\star} x_N + B_{A,D} \overset{A}{\star} e_A$	
0	137	112	$x_N := \int_{t_o}^{t_e} I_{N,D} \overset{D}{\star} \dot{x}_D \; dt$	