

## Equation assignment sequence for variable $u$

no	var	equ	quations	token
17	6	-	$t :: \text{port variable}$	
16	129	-	$I_{N,D} :: \text{port variable}$	
15	139	-	$m_A :: \text{port variable}$	
14	1	-	$\# :: \text{port variable}$	
13	143	149	$B_{A,D} := \text{Instantiate}(B_{A,D}, \#)$	
12	142	148	$A_{N,D} := \text{Instantiate}(A_{N,D}, \#)$	
11	8	5	$t_e := \text{Instantiate}(t, \#)$	
10	7	4	$t_o := \text{Instantiate}(t, \#)$	
9	144	106	$\dot{x}_D := A_{N,D} \overset{N}{\star} x_N + B_{A,D} \overset{A}{\star} e_A$	
8	135	146	$y^o_A := \text{Instantiate}(y^o_A, \#)$	
7	137	112	$x_N := \int_{t_o}^{t_e} I_{N,D} \overset{D}{\star} \dot{x}_D dt$	
6	133	144	$C_{N,A} := \text{Instantiate}(C_{N,A}, \#)$	
5	140	104	$e_A := m_A - y^o_A$	
4	136	147	$D_A := \text{Instantiate}(D_A, \#)$	
3	3	2	$1 := \text{Instantiate}(\#, \#)$	
2	155	150	$y_A := C_{N,A} \overset{N}{\star} x_N + D_A \cdot e_A$	
1	155	153	$y_A := D_A \cdot e_A$	
0	158	155	$u_A := 1 \cdot y_A$	