

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 | $u_A := 1 \cdot y_A$ | |