PROGRAM PLC\_PRG

VAR

CODE : Code ; //instance of Code

IN1 : LREAL ;

IN2 : LREAL ;

IN3 : LREAL ;

END\_VAR

IN1 := 50 ;

IN2 := 50 ;

IN3 := 50 ;

CODE (In1 := IN1 ,In2 := IN2 , In3 := IN3 );

FUNCTION\_BLOCK Code

VAR\_INPUT

In1: LREAL;

In2: LREAL;

In3: LREAL;

END\_VAR

VAR\_OUTPUT

Out1: LREAL;

Out2: LREAL;

Out3: LREAL;

END\_VAR

VAR

Index1 : LREAL ;

Index2 : DINT ;

Array\_ : ARRAY [1..100] OF LREAL ;

END\_VAR

Index1 := (In1+In2+In3)\*1000;

Index2 := LREAL\_TO\_DINT (Index1);

Array\_[Index2] := Index2 ;

(\* Outputs for Atomic SubSystem: '<Root>/Code 3' \*)

(\* Outport: '<Root>/Out1' incorporates:

\* Constant: '<S1>/Bo, (ton//min)'

\* Sum: '<S1>/Sum' \*)

Out1 := In1 + 217.25;

(\* Outport: '<Root>/Out2' incorporates:

\* Constant: '<S1>/Tf, (C)'

\* Sum: '<S1>/Sum1' \*)

Out2 := In2 + 35.0;

(\* Outport: '<Root>/Out3' incorporates:

\* Constant: '<S1>/Ws, (kg//min)'

\* Sum: '<S1>/Sum2' \*)

Out3 := In3 + 2453.6;

(\* End of Outputs for SubSystem: '<Root>/Code 3' \*)