








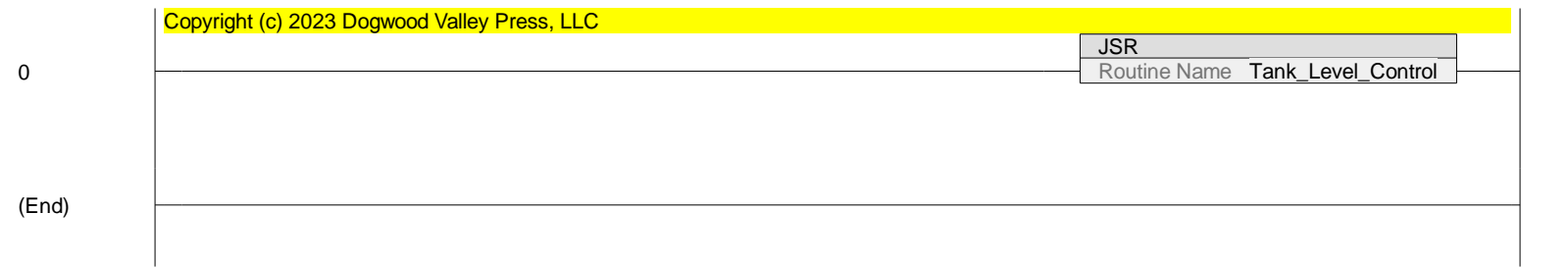
 Controller Example_12_3 Controller Fault Handler Power-Up Handler**Tasks** MainTask MainProgram MainRoutine Tank_Level_Control Unscheduled**Motion Groups** Ungrouped Axes**Add-On Instructions****Data Types** User-Defined Strings Add-On-Defined Module-Defined AB:1756_DI:C:0 AB:1756_DI:I:0 AB:1756_DO:C:0 AB:1756_DO:I:0 AB:1756_DO:O:0 AB:1756_IF8_Float:C:0 AB:1756_IF8_Float:I:0 AB:1756_IF8_Integer:C:0 AB:1756_IF8_Integer:I:0 AB:1756_NII_Struct:C:0**Trends****I/O Configuration** 1756 Backplane, 1756-A10 [0] 1756-L71 Example_12_3 [1] 1756-IB32/A din [2] 1756-OB16I dout [3] 1756-IF8 ana_in



```
1 (* Example 12.3 Simple Tank Level Control *)
2
3 (* Copyright (c) 2023 Dogwood Valley Press, LLC *)
4
5 (* Get tank level *)
6 LT428_Val := (LT428_MEAS/100.0)*(15-1)+1;
7
8 (* Level control: turn on when low, turn off when *)
9 (*   high. If not enabled, always turn off      *)
10 IF T428_Cntrl THEN
11     IF (LT428_Val < T428_Min) THEN
12         XV427_OPEN := 1;
13     END_IF;
14     IF (LT428_Val > T428_Max) THEN
15         XV427_OPEN := 0;
16     END_IF;
17 ELSE
18     XV427_OPEN := 0;
19 END_IF;
20
```

Example_12_3	
Label does not exist	1
MainTask	
MainProgram	
MainRoutine	
Ladder Diagram	2
Tank_Level_Control	
Structured Text	3