

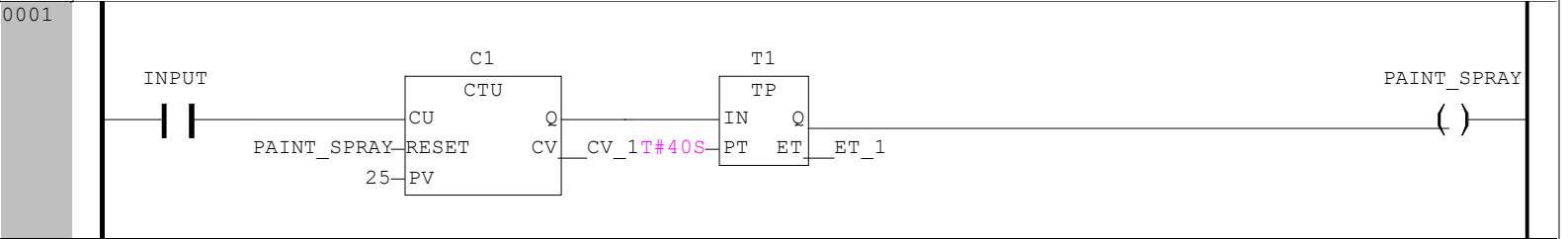
PLC PROGRAMMING

Question:

In certain process control application when the count reaches 25, a paint spray is to run for 40 seconds. Design, construct, and test PLC circuits for this process

PROBLEM_01 (PRG-LD)

0001	PROGRAM PROBLEM_10
0002	VAR
0003	INPUT: BOOL;
0004	CV_1: INT;
0005	C1: CTU;
0006	T1: TP;
0007	ET_1: TIME;
0008	PAINT_SPRAY: BOOL;
0009	END_VAR



Question:

Three conveyors feed a main conveyor. The count from each feeder conveyor is fed into an input register in the PLC. Construct a PLC program to obtain the total count of parts on the main conveyor. Use a time to update the total every 15 seconds. Design, construct, and test PLC circuits for this process

PROBLEM_02 (PRG-LD)

0001	PROGRAM PROBLEM_02
0002	VAR
0003	INPUT_1: BOOL;
0004	C1: CTU;
0005	RESET_1: BOOL;
0006	CV_1: INT;
0007	INPUT_2: BOOL;
0008	INPUT_3: BOOL;
0009	C2: CTU;
0010	C3: CTU;
0	

0012

CV_3: INT;

0013

RESET_2: BOOL;

0014

RESET_3: BOOL;

0015

T1: TON;

0016

UPDATE: BOOL;

0017

RESULT: INT;

0018

ET_1: TIME;

0019

END_VAR

