

Main [OB1]

Main Properties

General

| | | | | | |
|-------------|-------|-----------|--------|-----------------|----|
| Name | Main | Number | 1 | Type | OB |
| Language | LAD | Numbering | Manual | | |
| Information | | | | | |
| Title | SP6-2 | Author | | Comment | |
| Family | | Version | 0.1 | User-defined ID | |

| Name | Data type | Default value |
|----------------|---------------|---------------|
| ▼ Temp | | |
| OB1_EV_CLASS | Byte | |
| OB1_SCAN_1 | Byte | |
| OB1_PRIORITY | Byte | |
| OB1_OB_NUMBR | Byte | |
| OB1_RESERVED_1 | Byte | |
| OB1_RESERVED_2 | Byte | |
| OB1_PREV_CYCLE | Int | |
| OB1_MIN_CYCLE | Int | |
| OB1_MAX_CYCLE | Int | |
| OB1_DATE_TIME | Date_And_Time | |
| Constant | | |

Network 1: SP6-2

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SP6-2 Batch Process Control

Additional internal memory:

Tag Address

Run %M5.0 BOOL On while station running

Int_Override %M5.1 BOOL Reset and empty tank

Step_1 to Step_7 %M0.1 to M0.7 BOOL Step-in-progress bits

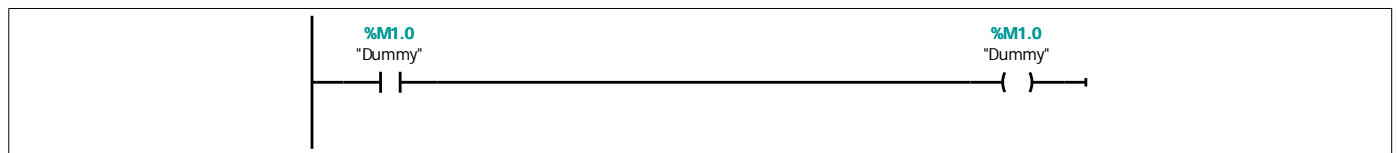
WaitA_Tmr %DB3 IEC_TIMER Times wait after filling A

WaitB_Tmr %DB4 IEC_TIMER Times wait after filling B

Stir_Tmr %DB5 IEC_TIMER Times stirring

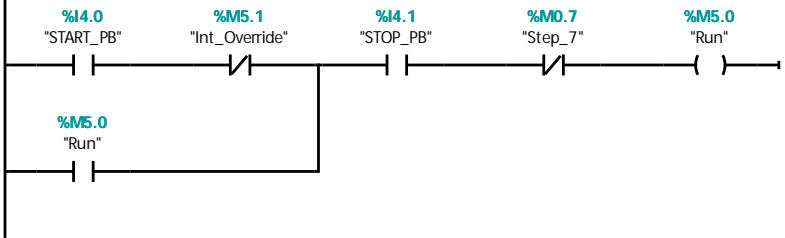
Empty_Tmr %DB6 IEC_TIMER Used to determine when empty

Override_Tmr %DB1 IEC_TIMER Times emptying when override

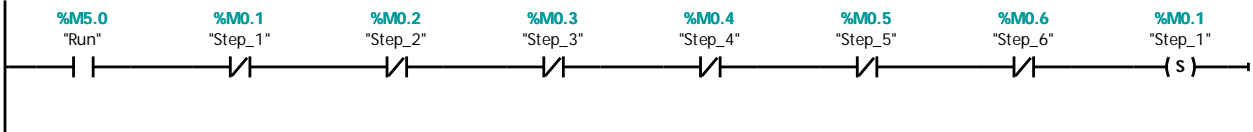


Network 2: Start/stop

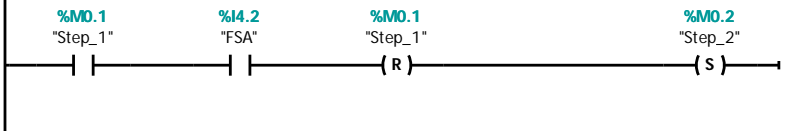
During override prevent start



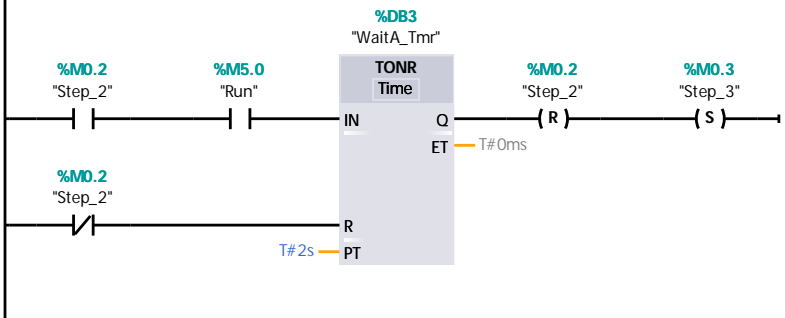
Network 3: Initial start



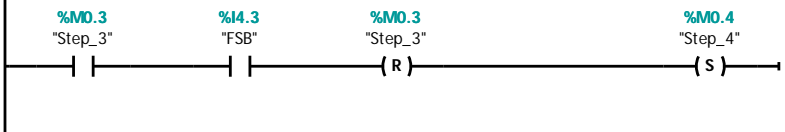
Network 4: Step 1 Fill A



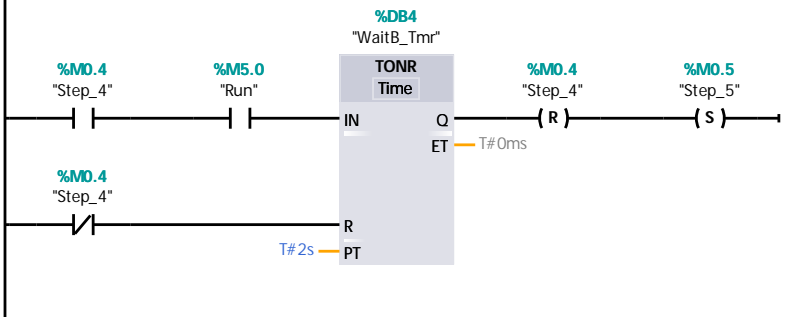
Network 5: Step 2 - Wait 2 sec after A



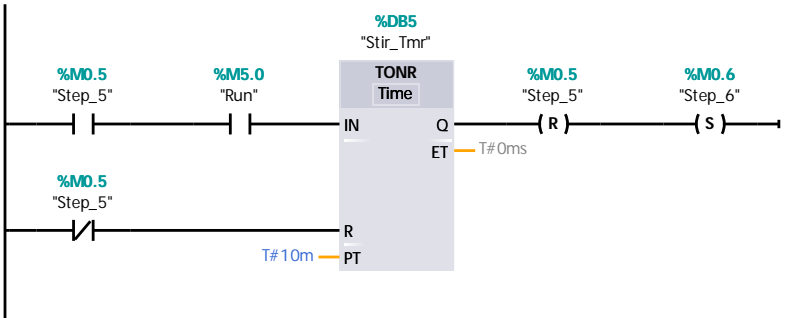
Network 6: Step 3 Fill B



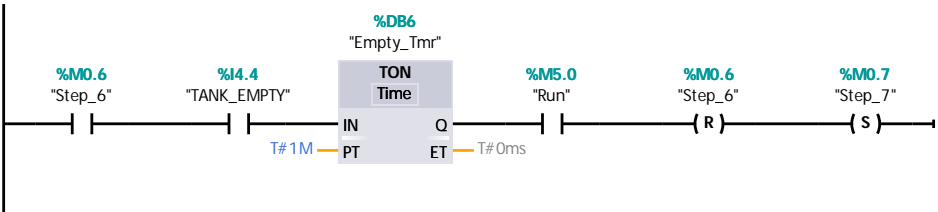
Network 7: Step 4 - Wait 2 sec after B



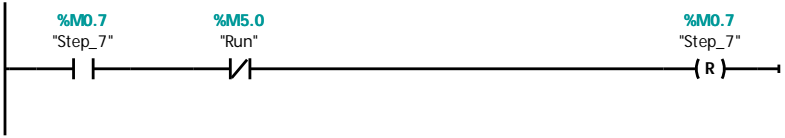
Network 8: Step 5 - Stir 10 minutes. Use retentive timer



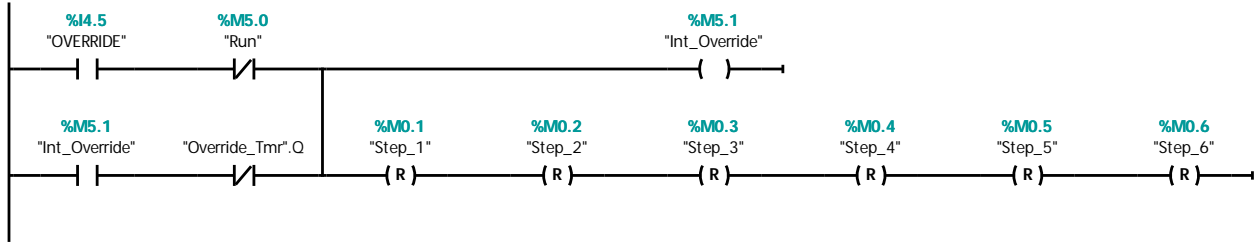
Network 9: Step 6 - Drain Tank



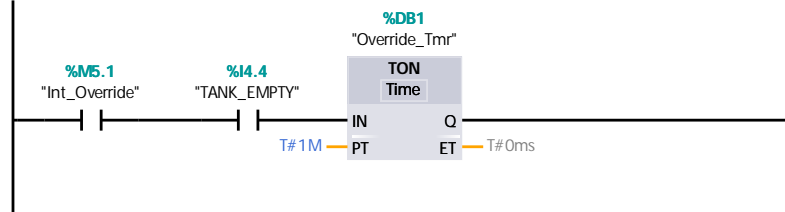
Network 10: Step 7 Unlatch Run



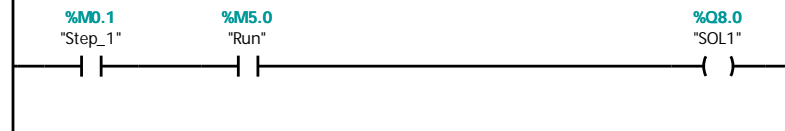
Network 11: Override



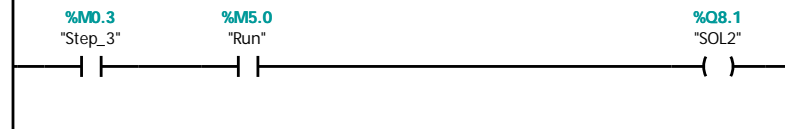
Network 12: Override Timer



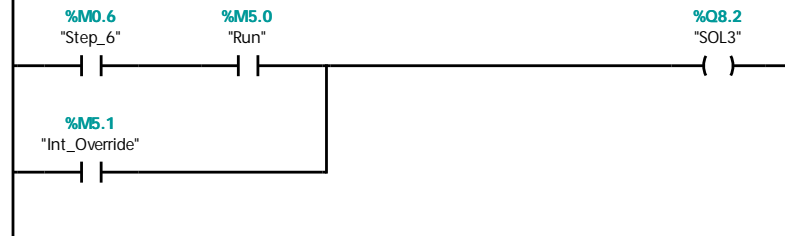
Network 13: Ingredient A fill solenoid, on to allow ingredient A into tank



Network 14: Ingredient B fill solenoid, on to allow ingredient B into tank



Network 15: Tank outlet solenoid, on to empty tank



Network 16: Stirrer motor control on to run stirrer

| | | |
|---|---|--|
| Totally Integrated Automation Portal | | |
| | <div><div><div>%M0.5 "Step_5"</div><div>%M5.0 "Run"</div><div>%Q8.3 "STIRRER"</div></div></div> | |
| | | |