OB1 - <offline>

""

Name: **Family:**
Author: **Version:** 0.1
                           Block version: 2
Time stamp Code: 05/05/2025 01:55:00 PM
         Interface: 02/15/1996 04:51:12 PM
Lengths (block/logic/data): 00336 00212 00022

Name	Data Type	Address	Comment
TEMP		0.0	
OB1_EV_CLASS	Byte	0.0	Bits 0-3 = 1 (Coming event), Bits 4-7 = 1 (Event class 1)
OB1_SCAN_1	Byte	1.0	1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)
OB1_PRIORITY	Byte	2.0	Priority of OB Execution
OB1_OB_NUMBR	Byte	3.0	1 (Organization block 1, OB1)
OB1_RESERVED_1	Byte	4.0	Reserved for system
OB1_RESERVED_2	Byte	5.0	Reserved for system
OB1_PREV_CYCLE	Int	6.0	Cycle time of previous OB1 scan (milliseconds)
OB1_MIN_CYCLE	Int	8.0	Minimum cycle time of OB1 (milliseconds)
OB1_MAX_CYCLE	Int	10.0	Maximum cycle time of OB1 (milliseconds)
OB1_DATE_TIME	Date_And_Time	12.0	Date and time OB1 started

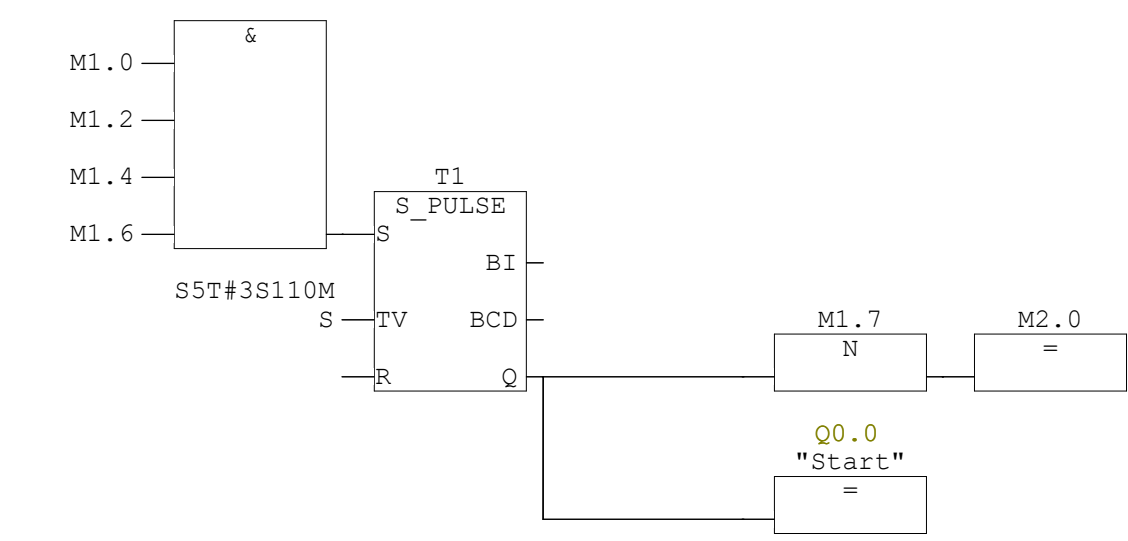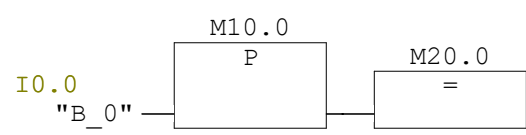**Block: OB1   "Main Program Sweep (Cycle)"**

Network: 1   Logic AND

```
                        ┌─────┐
            M1.0 ───────┤  &  │
            M1.2 ───────┤     │
            M1.4 ──────o┤     │
                        │     │
            I0.4        │     │
            "B_4" ──────┤     │        ┌─────┐
                        └─────┘        │ >=1 │
                                       │     │
        ┌─────┐                        │     │
  I0.2  │ >=1 │                        │     │
  "B_2"─┤     │                        │     │
        │     │                        │     │
  I0.4  │     │        ┌─────┐         │     │
  "B_4"─┤     ├────────┤  &  │         │     │
        └─────┘        │     │         │     │
            M1.0 ──────┤     │         │     │
                       │     │         │     │
            M1.2 ─────o┤     │         │     │
                       └─────┘         │     │
                                       │     │
                   M90.0 ──────────────┤     │
                                       │     │
                    M2.0 ──────────────┤     │
                                       │     │
                   I0.2               │     │
                   "B_2" ─────────────┤     │
                                       │     │
                   I0.4               │     │
                   "B_4" ─────────────┤     │
                                       │     │
                   I0.5               │     │
                   "B_5" ─────────────┤     │
                                       │     │
                   I0.7               │     │
                   "B_7" ─────────────┤     │
                                       │     │
                   I1.0               │     │
                   "B_8" ─────────────┤     │
                                       │     │
                   I1.1               │     │                                M1.0
                   "B_9" ─────────────┤     │                                ┌─────┐
                                       └─────┘            ┌─────┐             │ SR  │
                                                 M1.0 ────┤  &  │    M20.0 ──┤S    │
                                                          │     │            │     │
                                                          └─────┘            │     Q├──
                                                                        ─────┤R     │
                                                                             └─────┘
                                                          ┌─────┐             M1.2
                                                 M1.0 ────┤  &  │            ┌─────┐
                                                          │     │            │ SR  │
                                                M21.0 ────┤     │            │     │
                                                          └─────┘         ──┤S    │
                                                          ┌─────┐            │     │
                                                 M1.2 ────┤  &  │            │     Q├──
                                                          │     │       ─────┤R     │
                                                          └─────┘            └─────┘
                                                          ┌─────┐
                                                 M1.0 ────┤  &  │
                                                          │     │             M1.4
                                                 M1.2 ────┤     │            ┌─────┐
                                                          │     │            │ SR  │
                                                M22.0 ────┤     │            │     │
                                                          └─────┘         ──┤S    │
                                                          ┌─────┐            │     │
                                                 M1.4 ────┤  &  │            │     Q├──
                                                          │     │       ─────┤R     │
                                                          └─────┘            └─────┘
                                                          ┌─────┐
                                                 M1.0 ────┤  &  │
                                                          │     │
                                                 M1.2 ────┤     │             M1.6
                                                          │     │            ┌─────┐
                                                 M1.4 ────┤     │            │ SR  │
                                                          │     │            │     │
                                                M23.0 ────┤     │         ──┤S    │
                                                          └─────┘            │     │
                                                          ┌─────┐            │     │
                                                 M1.6 ────┤  &  │            │     Q├──
                                                          │     │       ─────┤R     │
                                                          └─────┘            └─────┘
```

Network: 2	Timer

```
          ┌─────────┐
M1.0 ─────┤    &    │
          │         │
M1.2 ─────┤         │
          │         │              T1
M1.4 ─────┤         │         ┌─────────┐
          │         │         │ S_PULSE │
M1.6 ─────┤         ├─────────┤S        │
          └─────────┘         │      BI ├─
                              │         │        M1.7       M2.0
     S5T#3S110M               │         │      ┌──────┐   ┌──────┐
                    S ────────┤TV   BCD ├─     │  N   ├───┤  =   │
                              │         │      └──────┘   └──────┘
                    ─────────┤R      Q ├──┬──
                              └─────────┘  │
                                           │       Q0.0
                                           │     "Start"
                                           │    ┌──────┐
                                           └────┤  =   │
                                                └──────┘
```
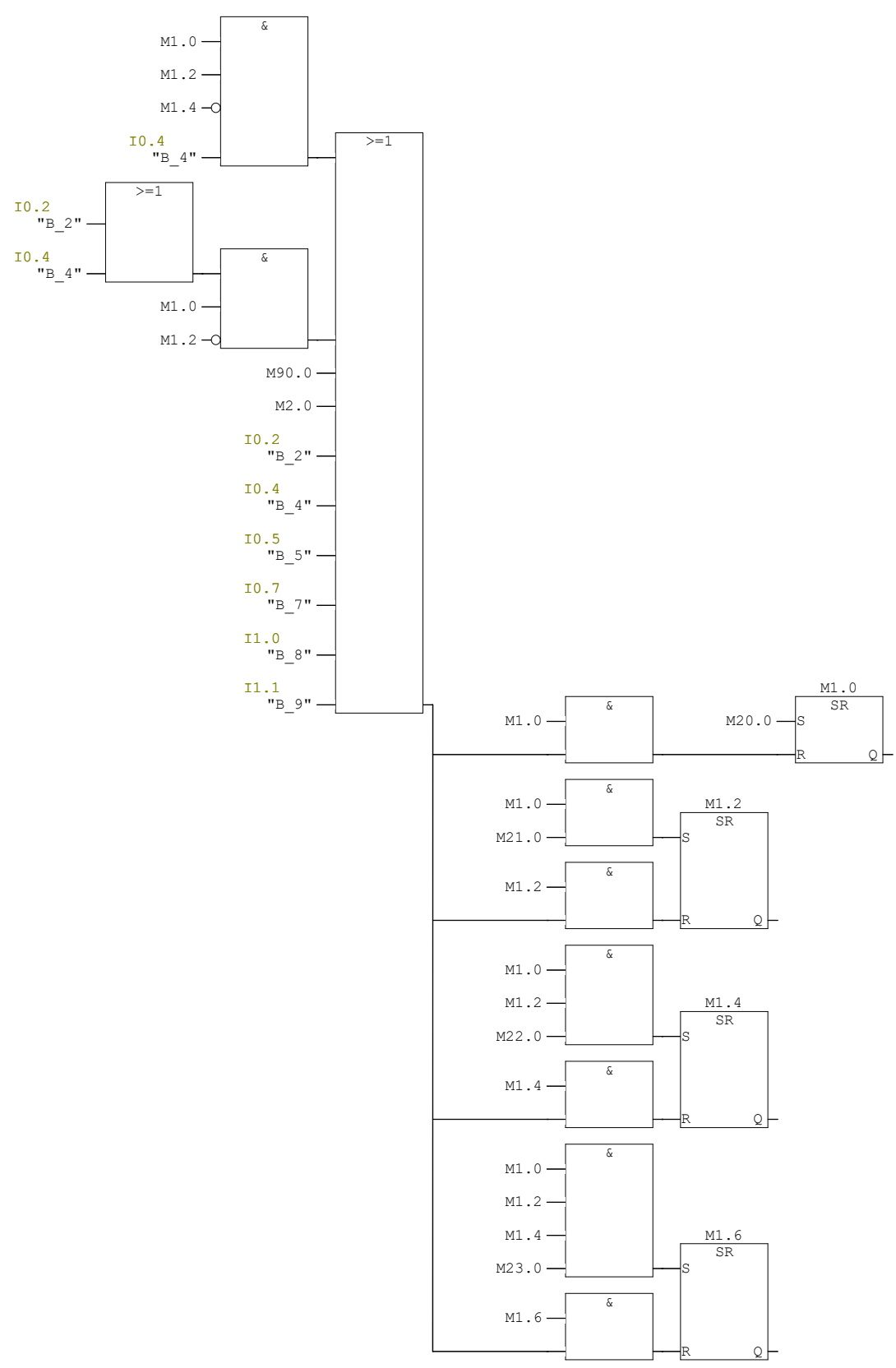
Network: 3	Pressed Button "0"

```
            M10.0
          ┌──────┐      M20.0
  I0.0    │  P   │    ┌──────┐
  "B_0" ──┤      ├────┤  =   │
          └──────┘    └──────┘
```

Network: 4	Pressed Button "6"

```
            M11.0
          ┌──────┐      M21.0
  I0.6    │  P   │    ┌──────┐
  "B_6" ──┤      ├────┤  =   │
          └──────┘    └──────┘
```
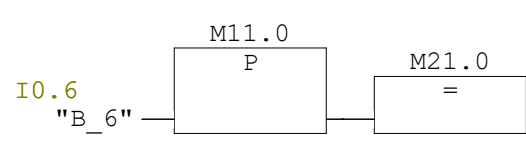
Network: 5	Pressed Button "1"

```
            M12.0
          ┌──────┐      M22.0
  I0.1    │  P   │    ┌──────┐
  "B_1" ──┤      ├────┤  =   │
          └──────┘    └──────┘
```
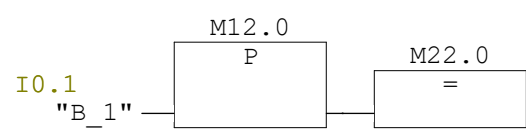
Network: 6   Pressed Button "3"

```
                        M13.0
                          P             M23.0
    I0.3                                  =
   "B_3"
```
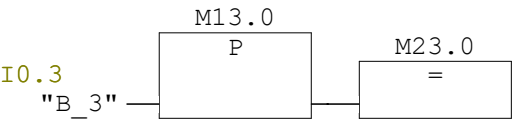
Network: 7   Correct Password Entry Check

```
              &
  M20.0
                          >=1
  M1.0

              &
  M21.0

  M1.2

              &
  M22.0

  M1.4

              &                     M90.0
  M23.0                                =

  M1.6
```