Main

	Name	Data type	Default value	Comment
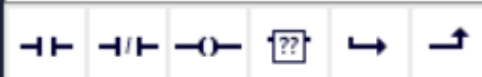
Block title: "Main Program Sweep (Cycle)"

Comment

▼ **Network 1:** ......

Comment

```
                            %DB16
                          "BramaFun_DB"
                            %FB2
                           "BramaFun"
          ┌──────────────────────────────────┐
     ──────┤ EN                          ENO ├──────────────────
          │                                  │
   %I0.0  │                                  │  %Q0.5
  "Tag_1" ─┤ przycisk               lampa ├─"Tag_8"
          │                                  │
   %I0.1  │                                  │
  "Tag_2" ─┤ foto1                           │
          │                                  │
   %I0.2  │                                  │
  "Tag_3" ─┤ foto2                           │
          │                                  │
   %M0.3  │                                  │
"Clock_2Hz"─┤ clock                          │
          │                                  │
   %Q0.3  │                                  │
  "Tag_7" ─┤ silnik2_open                    │
          │                                  │
   %Q0.1  │                                  │
  "Tag_4" ─┤ silnik1_open                    │
          │                                  │
   %Q0.2  │                                  │
  "Tag_5" ─┤ silnik1_close                   │
          │                                  │
   %Q0.4  │                                  │
  "Tag_6" ─┤ silnik2_close                   │
          └──────────────────────────────────┘
```
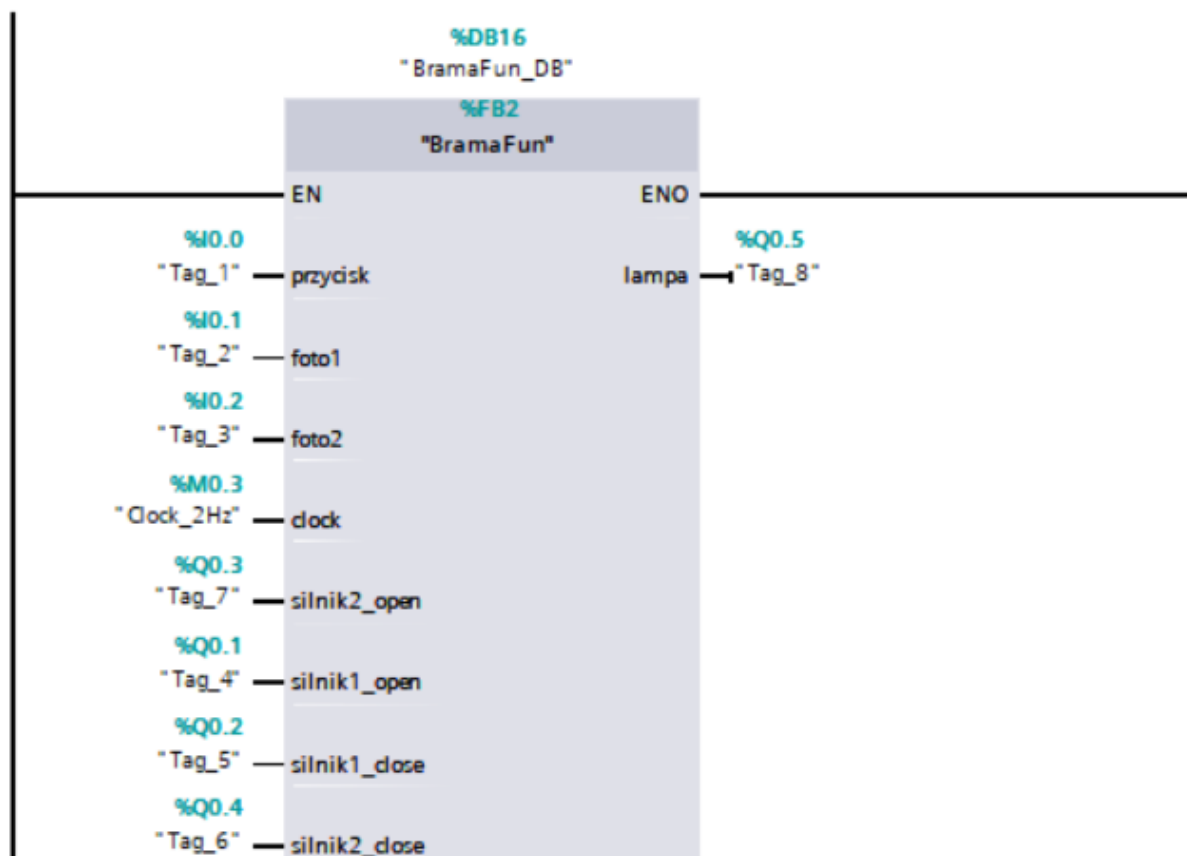
BramaFun
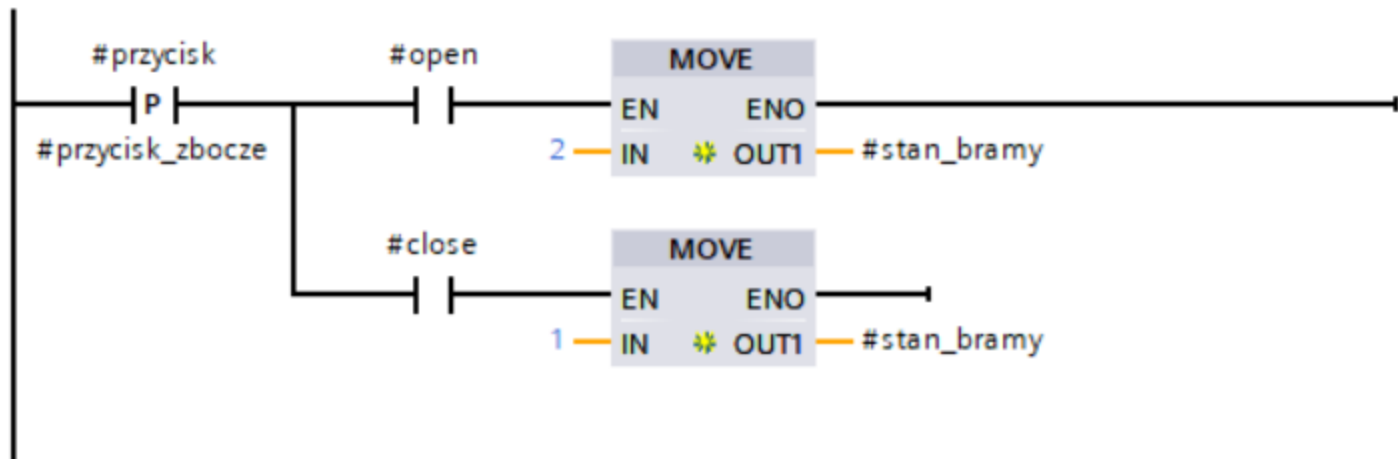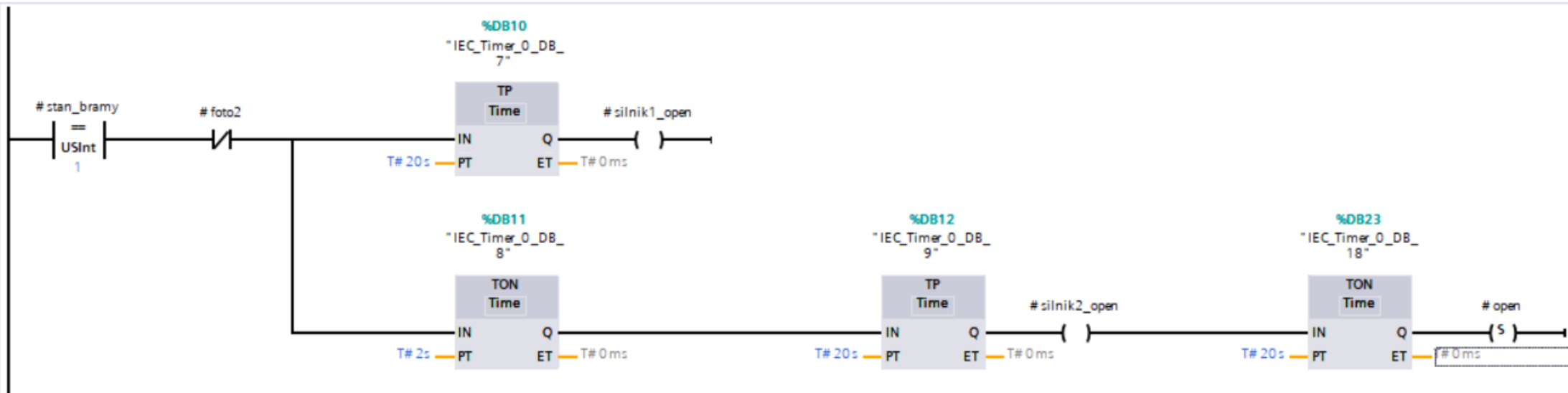
#	Name	e	Default value	Retain	Accessible f...	Writa...	Visible in ...	Setpoint	Comment
1	▼ Input				☐	☐	☐	☐	
2	przycisk		false	Non-retain	☑	☑	☑	☐	
3	foto1		false	Non-retain	☑	☑	☑	☐	
4	foto2		false	Non-retain	☑	☑	☑	☐	
5	clock		false	Non-retain	☑	☑	☑	☐	
6	▼ Output				☐	☐	☐	☐	
7	lampa		false	Non-retain	☑	☑	☑	☐	
8	▼ InOut				☐	☐	☐	☐	
9	silnik2_open		false	Non-retain	☑	☑	☑	☐	
10	silnik1_open		false	Non-retain	☑	☑	☑	☐	
11	silnik1_close		false	Non-retain	☑	☑	☑	☐	
12	silnik2_close		false	Non-retain	☑	☑	☑	☐	
13	▼ Static				☐	☐	☐	☐	
14	open		false	Non-retain	☑	☑	☑	☐	potwierdzenie - brama otwarta
15	close		1	Non-retain	☑	☑	☑	☐	potwierdzenie - brama zamknieta
16	stan_bramy		0	Non-retain	☑	☑	☑	☐	0 - nic, 1 - otwieranie, 2 - zamykanie
17	przycisk_zbocze		false	Non-retain	☑	☑	☑	☐	
18	silnik2_open_zbocze		false	Non-ret... ▼	☑	☑	☑	☐	
19	silnik1_close_zbocze		false	Non-retain	☑	☑	☑	☐	
20	TON_out		false	Non-retain	☑	☑	☑	☐	
21	TON_out_zbocze		false	Non-retain	☑	☑	☑	☐	
22	▼ Temp				☐	☐	☐	☐	
23	<Add new>				☐	☐	☐	☐	
24	▼ Constant				☐	☐	☐	☐	

Network 1: uruchomienie otwierania/zamykania

Comment

```
    #przycisk              #open              MOVE
      |P|                   | |         EN         ENO ──────────────
  #przycisk_zbocze                   2 ─ IN    ✻ OUT1 ─ #stan_bramy

                           #close              MOVE
                            | |         EN         ENO ──┤
                                      1 ─ IN    ✻ OUT1 ─ #stan_bramy
```

Network 2: otwieranie

Comment

```
# stan_bramy          # foto2                              %DB10
    ==                                              "IEC_Timer_0_DB_
   USInt                                                    7"
     1                                                      TP
                                                           Time
                                                                            # silnik1_open
                                                     IN        Q              ( )
                                           T# 20s — PT        ET — T# 0ms


                                                      %DB11                         %DB12                          %DB23
                                              "IEC_Timer_0_DB_            "IEC_Timer_0_DB_              "IEC_Timer_0_DB_
                                                      8"                         9"                            18"
                                                     TON                        TP                           TON
                                                    Time                       Time                          Time
                                                                                        # silnik2_open                    # open
                                                     IN        Q              IN        Q      ( )          IN        Q      (S)
                                           T# 2s — PT        ET — T# 0ms  T# 20s — PT  ET — T# 0ms  T# 20s — PT  ET — T# 0ms
```

Network 3: zamykanie
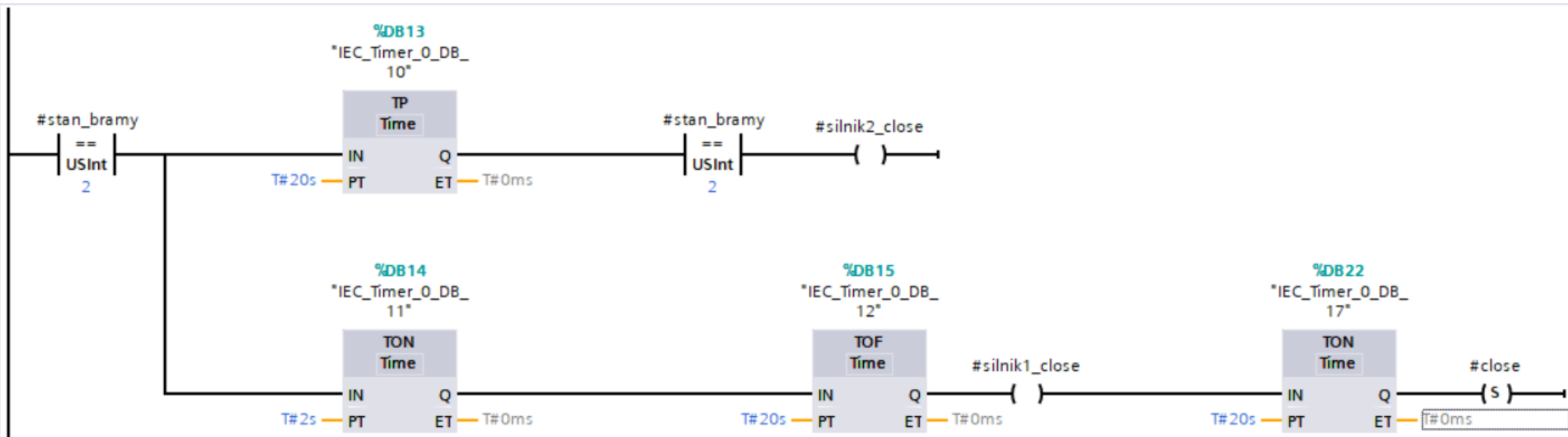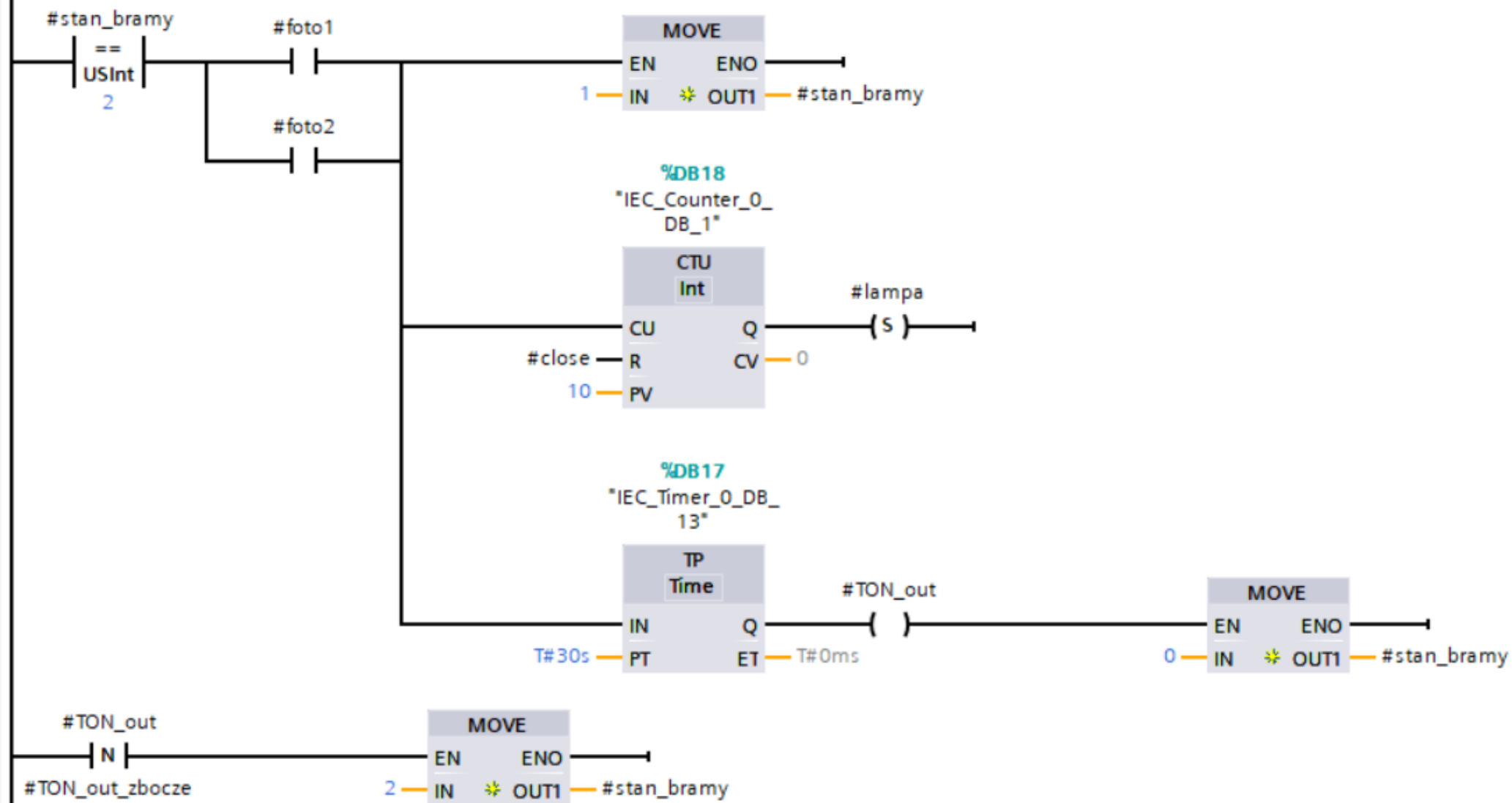
Comment

Network 4: koniec otwierania/zamykania - stan_bramy := 0

Comment

```
#silnik2_open                    MOVE
   ─┤N├─                  EN          ENO ─────────────────────
#silnik2_open_            0 ─ IN    ❉ OUT1 ─ #stan_bramy
   zbocze


#silnik1_close                   MOVE
   ─┤N├─                  EN          ENO ─┐
#silnik1_close_          0 ─ IN    ❉ OUT1 ─ #stan_bramy
   zbocze
```

Network 5: lampa

Comment

```
#stan_bramy        #clock                              #lampa
   ─┤<>├─          ─┤ ├─                               ─( )─
    USInt
     0
```
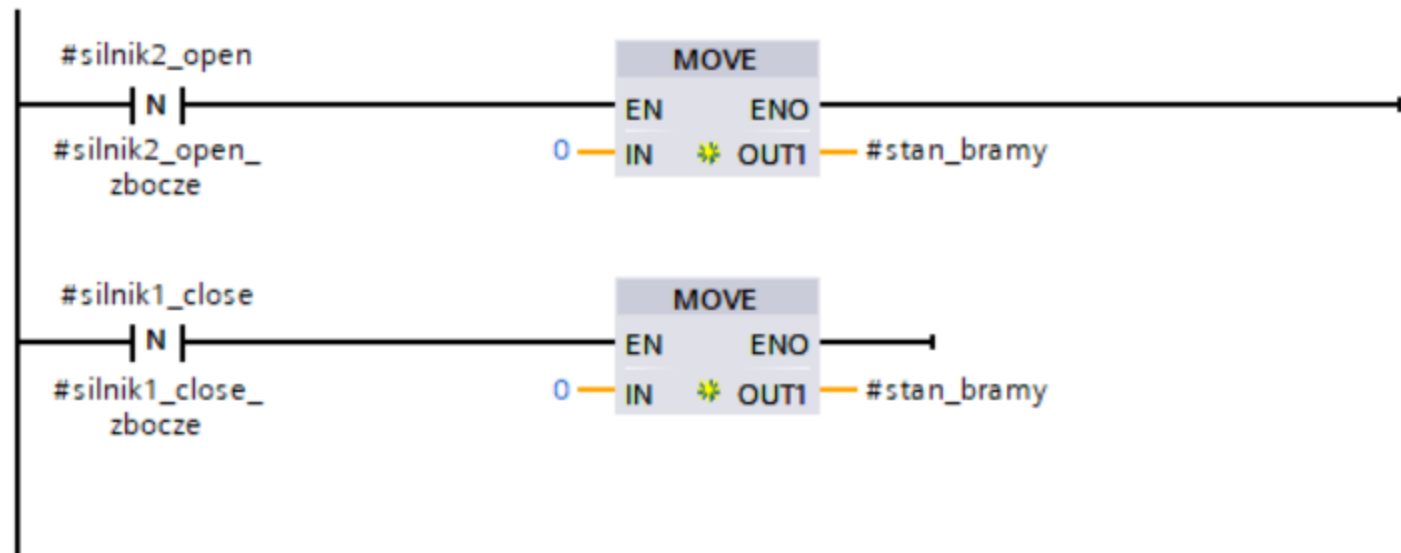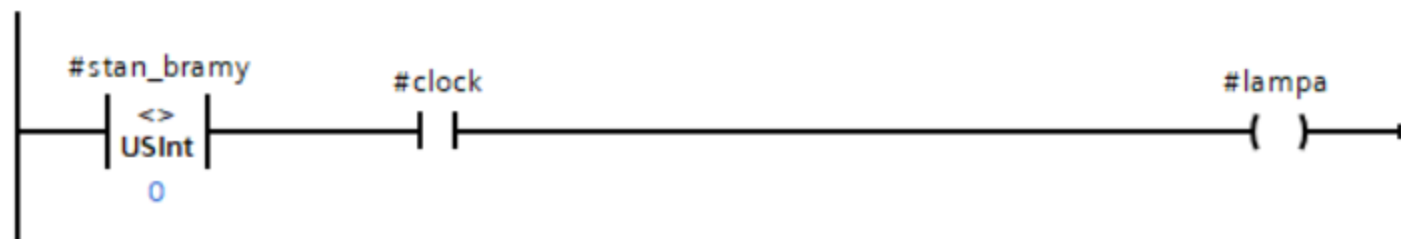
Network 6: gdy chodzi silnik => brama nie jest ani w pelni otwarta, ani w pelni zamknieta

Comment

```
  #silnik1_close        #open                                          #close
    ┤ ├                 ─( R )─                                         ─( R )─
  #silnik1_open
    ┤ ├
  #silnik2_close
    ┤ ├
  #silnik2_open
    ┤ ├
```