

Project Documentation

File: Projekt2_Kuligowski.project
Date: 2021-05-16
Profile: CODESYS V3.5 SP15 Patch 4

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1 Device: Device

Users and Groups

Users:

Groups:

Access Rights

View

Modify

Execute

Add/remove children

Symbol Rights

Information

Name: CODESYS Control Win V3
Vendor: 3S - Smart Software Solutions GmbH
Categories: PLCs
Type: 4096
ID: 0000 0001
Version: 3.5.15.40
Order number: ???
Description: CODESYS V3 Soft-PLC for Windows with non realtime capabilities (CODESYS Control Win V3)

1.1 PLC Logic: Plc Logic

1.1.1 Application: Application

1.1.1.1 Library Manager: Library Manager

```
#Standard
#BreakpointLogging
  #CmpLog
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#IoStandard
  Base Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#3SLicense
  #CmpLog
    SysTypes2 Interfaces, * (System)
  #CAA Types
    #SysCpuHandling
      #SysMem
        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
  #Standard
  #Component Manager
    #CmpEventMgr
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
    #CmpApp
      SysTypes2 Interfaces, * (System)
    #CmpEventMgr
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
  #CmpApp
    SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  #CmpCodeMeter
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  #SysCpuHandling
    #SysMem
      SysTypes2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
  #CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Device Diagnosis
  #CAA Behaviour Model
  #CAA Types
    #SysCpuHandling
      #SysMem
        SysTypes2 Interfaces, * (System)
```

```
CmpErrors2 Interfaces, * (System)
#CAA TickUtil
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Tick
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#IoStandard
    Base Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
IoDriver Interfaces, * (System)
Base Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
#CmpAsyncMgr
    SysTypes2 Interfaces, * (System)
#CommFB
#SysMem
    SysTypes2 Interfaces, * (System)
IoDriver Profibus2 Interfaces, * (System)
#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#System_VisuElemsDateTime
#System_VisuElemXYChart
#system_visuinputs
#lecVarAccess
#Component Manager
#CmpEventMgr
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpApp
```

```
#CmpEventManager
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
#SymbolicVarsBase
#CmpApp
    SysTypes2 Interfaces, * (System)
    #CmpEventManager
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#SysMem
    SysTypes2 Interfaces, * (System)
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
lecVarAccess3 Interfaces, * (System)
#StringUtils
    #Standard
    #SysMem
        SysTypes2 Interfaces, * (System)
    #SysTimeRtc
        #SysTimeCore
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
        #Component Manager
            #CmpEventManager
                SysTypes2 Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
            #CmpApp
                SysTypes2 Interfaces, * (System)
            #CmpEventManager
                SysTypes2 Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
#Component Manager
    #CmpEventManager
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
    #CmpApp
        SysTypes2 Interfaces, * (System)
        #CmpEventManager
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
Collections Interfaces, * (System)
#CmplecVarAccess
    CmplecVarAccess Interfaces, * (System)
    #CmplecVarAccess Implementation
        Base Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        lecVarAccess3 Interfaces, * (System)
        Collections Interfaces, * (System)
        CmplecVarAccess Interfaces, * (System)
#SysCpuHandling
    #SysMem
        SysTypes2 Interfaces, * (System)
```

```

    CmpErrors2 Interfaces, * (System)
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
IecVarAccess3 Interfaces, * (System)
Collections Interfaces, * (System)
#CmplecVarAccess
    CmplecVarAccess Interfaces, * (System)
#CmplecVarAccess Implementation
    Base Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    IecVarAccess3 Interfaces, * (System)
    Collections Interfaces, * (System)
    CmplecVarAccess Interfaces, * (System)

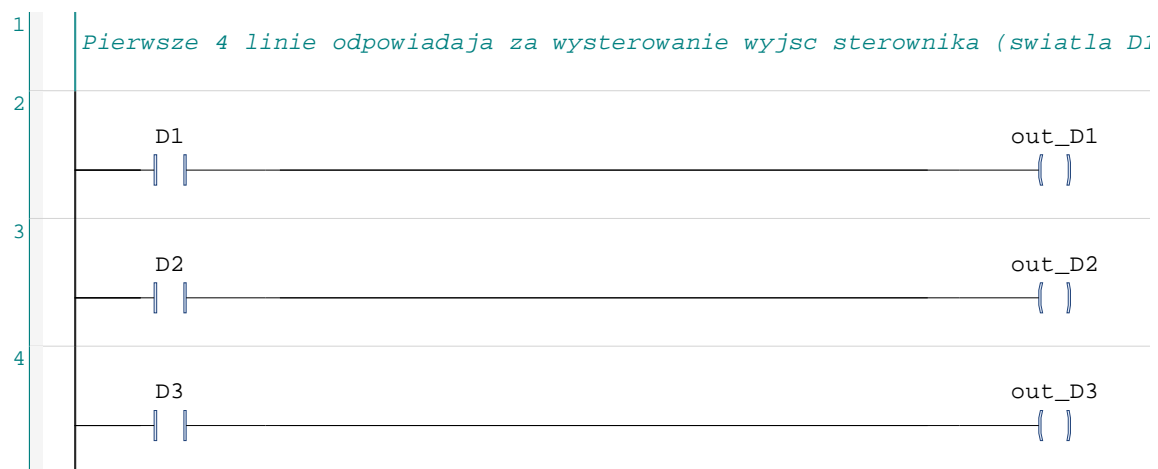
```

1.1.1.2 POU: PLC_PRG

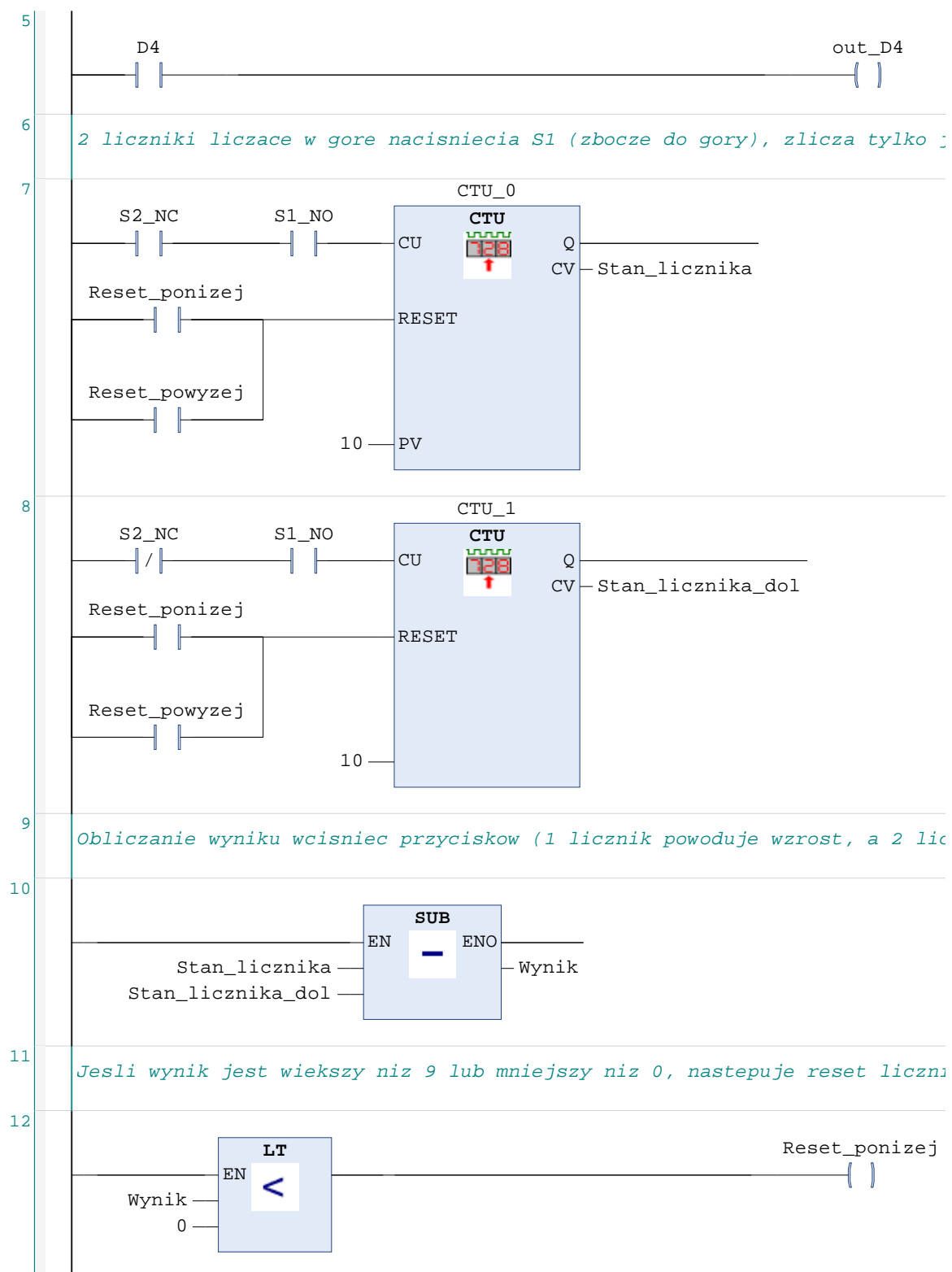
```

1      PROGRAM PLC_PRG
2      VAR
3          out_D1 : BOOL ;
4          out_D2 : BOOL ;
5          out_D3 : BOOL ;
6          out_D4 : BOOL ;
7          CTU_0 : CTU ;
8          CTU_1 : CTU ;
9          D1 : BOOL ;
10         D2 : BOOL ;
11         D3 : BOOL ;
12         D4 : BOOL ;
13         Stan_licznika : WORD := 0 ;
14         Stan_licznika_dol : WORD := 0 ;
15         Wynik : UINT ;
16         Reset_powyzej : BOOL ;
17         Reset_ponizej : BOOL ;
18         S2_NC : BOOL ;
19         S1_NO : BOOL ;
20     END_VAR
21

```



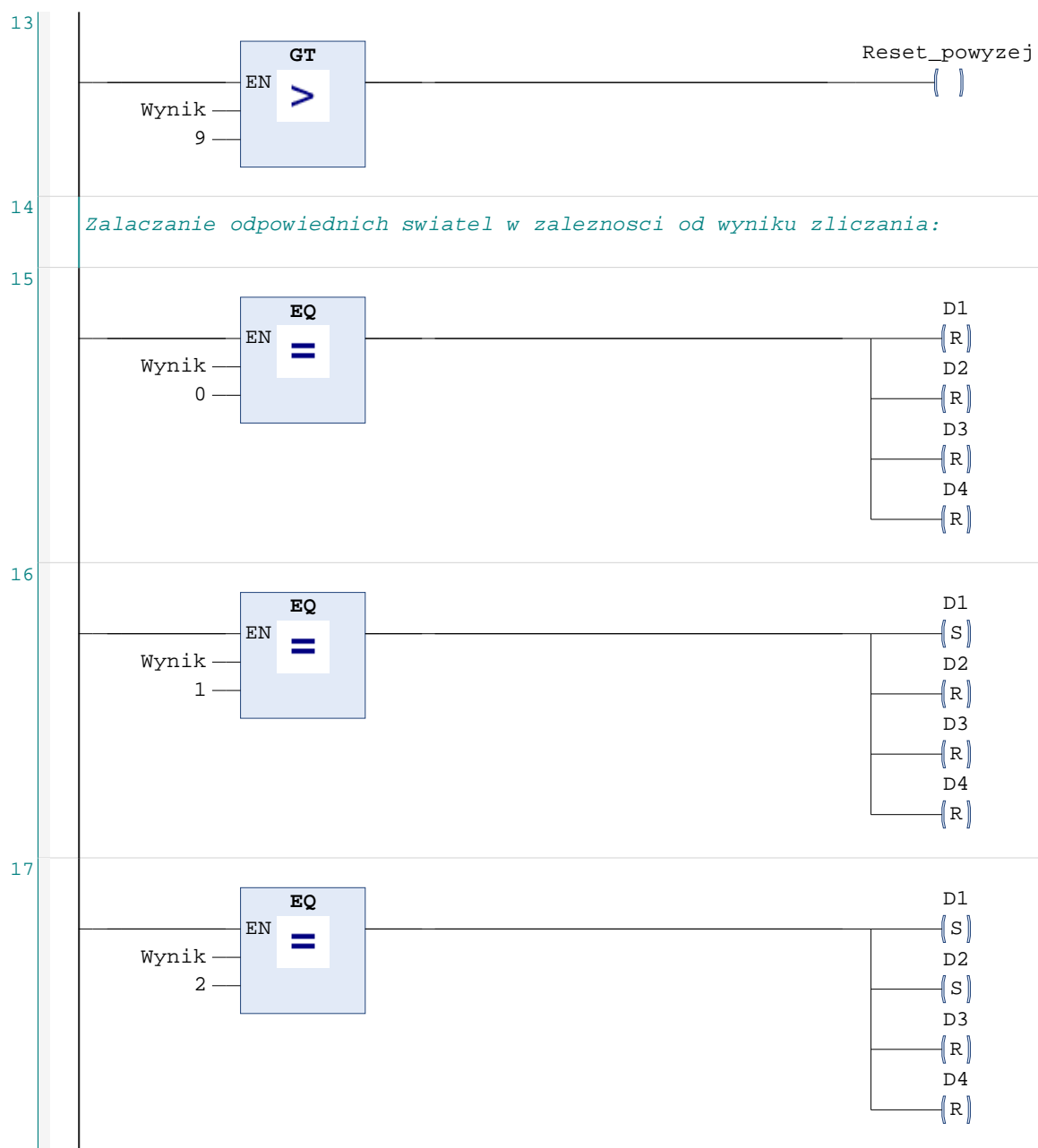
l-D4) :

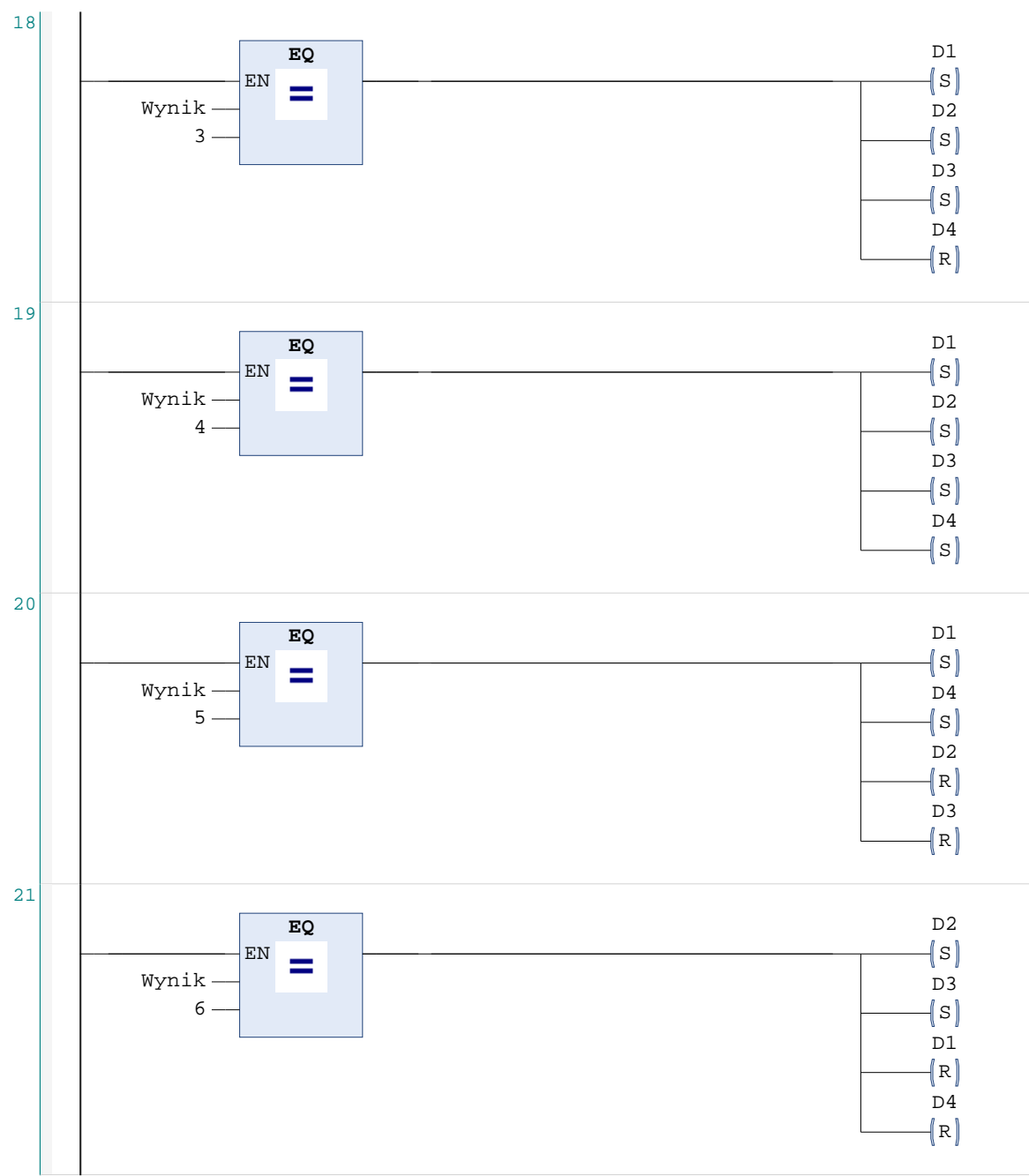


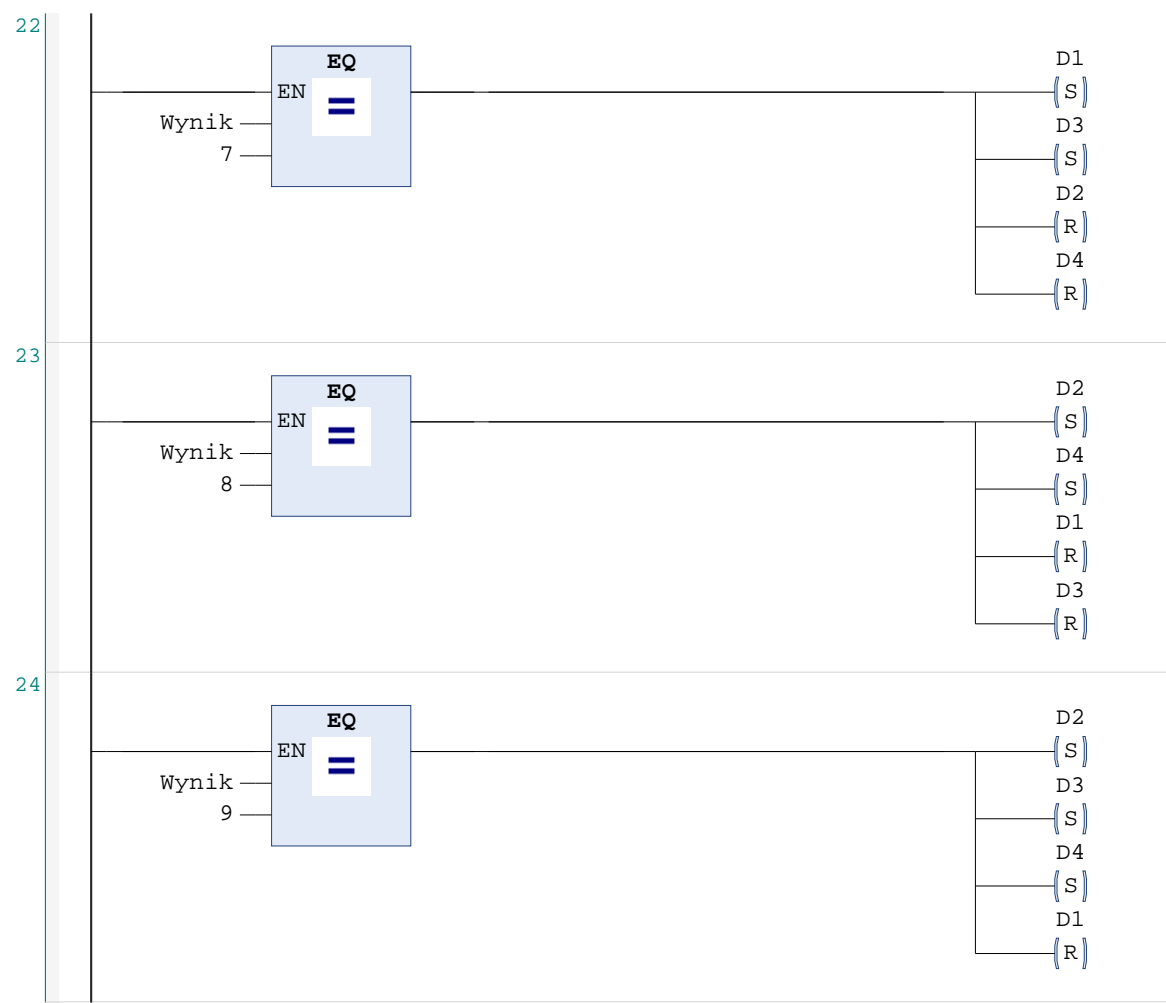
jeden w zaleznosci od tego w jakim stanie jest S2, reset zalezny od wyniku:

zownik powoduje spadek wyniku licznika):

lkow i zaczyna sie liczenie od 0:







1.1.1.3 Symbol Configuration: Symbols

1.1.1.4 Task Configuration: Task Configuration

Max. number of tasks: 100
Max. number of cyclic tasks: 100
Max. number of freewheeling tasks: 100
Max. number of event tasks: 100
Max. number of status tasks: 100

System Events:

1.1.1.4.1 Task: MainTask

Priority: 1
Type: Cyclic
Interval: t#20ms Unit: ms
Watchdog: Inactive
POUs: PLC_PRG

1.1.1.4.1.1 Program Call: PLC_PRG

2 GlobalTextList: GlobalTextList

3 Library Manager: Library Manager

#System_VisuElems
#System_VisuElemMeter
#System_VisuElemsSpecialControls
#System_VisuElemsWinControls
#System_VisuElemTextEditor
#System_VisuElemTrace
#System_VisuNativeControl
#System_VisuElemsAlarm
#System_VisuElemCamDisplayer
#System_VisuElem3DPath
#System_VisuElemsDateTime
#System_VisuElemXYChart
#system_visuinputs

4 Project Information: Project Information

File

Name	Projekt2_Kuligowski.project
Location	C:\Users\user\Downloads\studia OKNO\Przemysłowe systemu sterownaia\projekty\Projekt_2_Kuligowski\Projekt_2_Kuligowski
Size	665,75 KB (681 728 bytes)
MS-DOS name	C:\Users\user\DOWNLO~1\STUDIA~1\PRZEMY~1\projekty\PROJEK~1\PROJEK~1\PROJEK~1.PRO
Created	16 maja 2021 12:08:20
Changed	16 maja 2021 14:14:05
Last access	16 maja 2021 12:08:20
Attributes	Archive
Last saved with	CODESYS V3.5 SP15 Patch 4

Summary

Company
Title
Version
Library Categories
Default namespace
Author
Description

Properties

CompiledLibraryCompatibilityVersion	[Text] CODESYS V3.5 SP15 Patch 4
Project	[Text] Projekt2_Kuligowski

Statistics

POU	1
Application	1
Project Information	1
GlobalTextList	1
PLC Logic	1
Program Call	1
Device	1
Symbol Configuration	1
Task Configuration	1
Task	1
Library Manager	2

5 : Project Settings

Static Analysis Light:

Unused variables (#33): 1

Overlapping memory areas (#28): 0

Write access from several tasks (#6): 0

Multiple write access on output (#4): 0

Multiple uses of identifiers (#27): 0

Report temporary FunctionBlock instances (#167): 0