

# Project Documentation

File: Pick & Place XYZ.project  
Date: 28/11/2024  
Profile: V22.1.1.0

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# 1 Appareil: MyController

## Utilisateurs et groupes

Utilisateurs :

Groupes

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## Droits d'accès

Affichage

Modifier

Exécuter

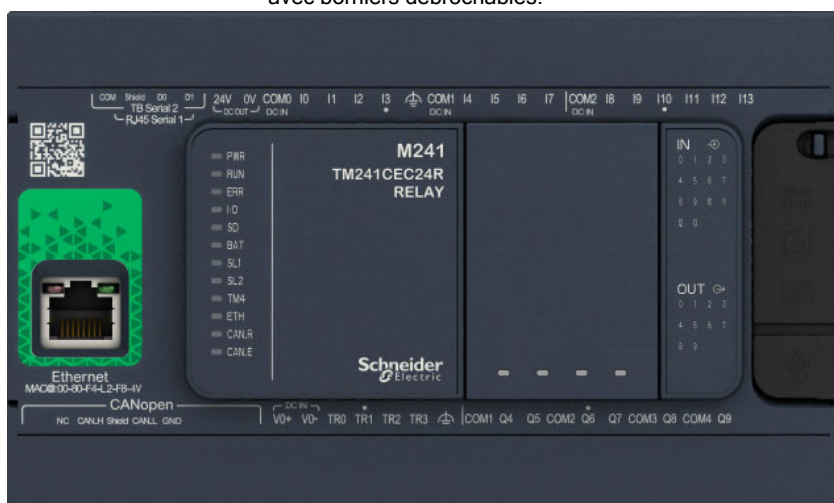
Ajouter/supprimer des enfants

---

## Droits d'accès au symbole

## Information

Nom: TM241CEC24R  
Fabricant : Schneider Electric  
Catégories : Automates programmables (API), M241  
Type : 4096  
ID: 101a 0707  
Version: 5.2.11.24  
Numéro de commande : TM241CEC24R  
Description :  
TM241CEC24R  
Contrôleur modulaire 100-240 VCA à 14 entrées numériques, 4 sorties transistor à logique positive (0,5 A), 6 sorties relais (2 A), 2 ports de ligne série, 1 port Ethernet, 1 port CANopen, avec borniers débrochables.



## 1.1 Logique API: Plc Logic

### 1.1.1 Application: Application

#### 1.1.1.1 Liste de variables globales: Gestion\_convoyeur\_carton

```
1      {attribute 'qualified_only'}
2      VAR_GLOBAL
3          Convoyeur_carton : BOOL ;
4          // Présence Carton
5          S6 : BOOL ;
6      END_VAR
7
```

#### 1.1.1.2 Liste de variables globales: Gestion\_Convoyeur\_Palette

```
1      {attribute 'qualified_only'}
2      VAR_GLOBAL
3          Convoyeur_palette_sortie : BOOL ;
4          Convoyeur_palette_principal : BOOL ;
5          // Présence Palette
6          S7 : BOOL ;
7      END_VAR
8
```

#### 1.1.1.3 Liste de variables globales: Gestion\_emeteur

```
1      {attribute 'qualified_only'}
2      VAR_GLOBAL
3          // Emeteur Palette
4          Palette : BOOL ;
5          // Emeteur Carton
6          Carton : BOOL ;
7      END_VAR
8
```

#### 1.1.1.4 Liste de variables globales: Gestion\_Pince

```
1      {attribute 'qualified_only'}
2      VAR_GLOBAL
3          Aspiration : BOOL ;
4          PosX : REAL ;
5          PosZ : REAL ;
6          PosY : REAL ;
7          Lecture_Z : REAL ;
8          Lecture_Y : REAL ;
9          Lecture_X : REAL ;
10     END_VAR
11
```

### 1.1.1.5 Liste de variables globales: Pupitre\_de\_commande

```
1      {attribute 'qualified_only'}
2      VAR_GLOBAL
3          // Voyant Vert
4          H2 : BOOL ;
5          // Afficheur de comptage
6          Aff_compteur : WORD ;
7          // BP AU
8          S5 : BOOL ;
9          // BP Orange
10         S4 : BOOL ;
11         // BP Rouge
12         S3 : BOOL ;
13         // BP Vert
14         S2 : BOOL ;
15         // Commutateur mode auto
16         S1 : BOOL ;
17         // Commutateur mode manu
18         S0 : BOOL ;
19         // Voyant Orange
20         H4 : BOOL ;
21         // Voyant Rouge
22         H3 : BOOL ;
23         // Verine Orange
24         VH4 : BOOL ;
25         // Verine Rouge
26         VH3 : BOOL ;
27         // Verine Vert
28         VH2 : BOOL ;
29     END_VAR
30
```

### 1.1.1.6 Gestionnaire de bibliothèque: Library Manager

```
#IoStandard
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#CmpIoMgr Implementation
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpIoMgr Interfaces, * (System)
    Base Interfaces, * (System)
    CmpIoMgr Interfaces, * (System)
#Standard
#Util
#Standard
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
#CBML
#SysTimeRtc
    #SysTimeCore
        SysTypes2 Interfaces, * (System)
```

```
CmpErrors2 Interfaces, * (System)
#SE_PLCSysmem
#SysMem
  SysTypes2 Interfaces, * (System)
#CAA File
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Behaviour Model
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    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)
#CAA Async Manager
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#RSMUtility
#MemoryBlockManager
#CAA Callback
#CAA Types
  #SysCpuHandling
  #SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
```

```

        #SysMem
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
#CAA Types
    #SysCpuHandling
        #SysMem
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
#CAA MemBlockMan
    #CAA Types
        #SysCpuHandling
            #SysMem
                SysTypes2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
#CAA Callback
    #CAA Types
        #SysCpuHandling
            #SysMem
                SysTypes2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
#CAA ResMan
    #CAA Types
        #SysCpuHandling
            #SysMem
                SysTypes2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
#CAA ResMan
    #CAA Types
        #SysCpuHandling
            #SysMem
                SysTypes2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
#CmplecTask
    #CmpApp
        SysTypes2 Interfaces, * (System)
    #CmpEventMgr
        CmpEventMgr Interfaces, * (System)
    #CmpEventMgr Implementation
        CmpEventMgr Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#Component Manager
    #CmpEventMgr
        CmpEventMgr Interfaces, * (System)
    #CmpEventMgr Implementation
        CmpEventMgr Interfaces, * (System)

```

```

    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpApp
    SysTypes2 Interfaces, * (System)
    #CmpEventMgr
        CmpEventMgr Interfaces, * (System)
        #CmpEventMgr Implementation
            CmpEventMgr Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
#CmpApp
    SysTypes2 Interfaces, * (System)
    #CmpEventMgr
        CmpEventMgr Interfaces, * (System)
        #CmpEventMgr Implementation
            CmpEventMgr Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
#SysEvent
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    CmpEventMgr Interfaces, * (System)
    #CmpEventMgr Implementation
        CmpEventMgr Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
#CmpAsyncMgr
    SysTypes2 Interfaces, * (System)
#CmpSchedule
    #CmpApp
        SysTypes2 Interfaces, * (System)
        #CmpEventMgr
            CmpEventMgr Interfaces, * (System)
            #CmpEventMgr Implementation
                CmpEventMgr Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
                CmpErrors2 Interfaces, * (System)
        #SysTime
            #SysTimeCore
                SysTypes2 Interfaces, * (System)
            #SysTimeRtc
                #SysTimeCore
                    SysTypes2 Interfaces, * (System)
                    SysTypes2 Interfaces, * (System)
                SysTypes2 Interfaces, * (System)
#CAA Memory
#CmpApp
    SysTypes2 Interfaces, * (System)
    #CmpEventMgr

```



```

#CmpEventMgr Implementation
    CmpEventMgr Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpEventMgr
    CmpEventMgr Interfaces, * (System)
#CmpEventMgr Implementation
    CmpEventMgr Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CmpErrors
#SysTypes
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#SysTimeCore
    SysTypes2 Interfaces, * (System)
#SysDir
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#Standard
    SysTypes Interfaces, * (System)
#SE_PLCCommunication
#SysMem
    SysTypes2 Interfaces, * (System)
#Standard
#SE_RelocationTable
#SysMem
    SysTypes2 Interfaces, * (System)
M241 HSC, 1.0.1.0 (Schneider Electric)
M241 PTO PWM, 1.0.1.0 (Schneider Electric)
#CANbusDevice
#CAA Device Diagnosis
#CAA Behaviour Model
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    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

```

```

        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
#IoStandard
    Base Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    #CmpIoMgr Implementation
        CmpErrors2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpIoMgr Interfaces, * (System)
        Base Interfaces, * (System)
        CmpIoMgr Interfaces, * (System)
#CAA Types
    #SysCpuHandling
        #SysMem
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
    #CmpEventManager
        CmpEventManager Interfaces, * (System)
        #CmpEventManager Implementation
            CmpEventManager Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            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)
#IoStandard
    Base Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
    #CmpIoMgr Implementation
        CmpErrors2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpIoMgr Interfaces, * (System)
        Base Interfaces, * (System)
        CmpIoMgr Interfaces, * (System)
#SysMem
    SysTypes2 Interfaces, * (System)
#IoDrvBase
    #IoStandard
        Base Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
        CmpErrors2 Interfaces, * (System)
        #CmpIoMgr Implementation
            CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)

```

```
Base Interfaces, * (System)
CmploMgr Interfaces, * (System)
Base Interfaces, * (System)
IoDriver Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#IoDriver Utility
#IoStandard
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#CmploMgr Implementation
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmploMgr Interfaces, * (System)
Base Interfaces, * (System)
CmploMgr Interfaces, * (System)
#CAA Types
#SysCpuHandling
#SysMem
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#SysCpuHandling
#SysMem
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
Base Interfaces, * (System)
#Component Manager
#CmpEventMgr
CmpEventMgr Interfaces, * (System)
#CmpEventMgr Implementation
CmpEventMgr Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#CmpApp
SysTypes2 Interfaces, * (System)
#CmpEventMgr
CmpEventMgr Interfaces, * (System)
#CmpEventMgr Implementation
CmpEventMgr Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
#CmpLog
SysTypes2 Interfaces, * (System)
#Standard
#CAA CanL2
#CAA Types
#SysCpuHandling
```

```
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
#CAA Callback
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA CanL2I
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA MemBlockMan
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA Callback
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
    SysTypes2 Interfaces, * (System)
    CmpErrors2 Interfaces, * (System)
#CAA ResMan
#CAA Types
#SysCpuHandling
#SysMem
    SysTypes2 Interfaces, * (System)
```

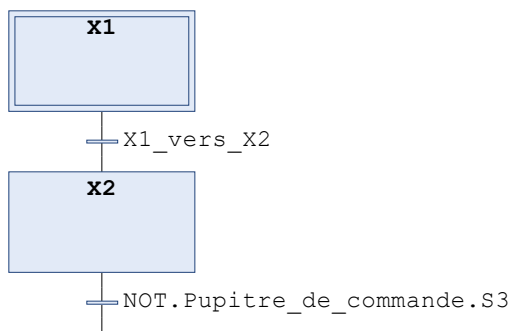
```
        CmpErrors2 Interfaces, * (System)
#BreakpointLogging
    #CmpLog
        SysTypes2 Interfaces, * (System)
        SysTypes2 Interfaces, * (System)
#IecSfc
    #Standard
#Analyzation
#IecVarAccess
#Component Manager
    #CmpEventManager
        CmpEventManager Interfaces, * (System)
        #CmpEventManager Implementation
            CmpEventManager Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
        #CmpApp
            SysTypes2 Interfaces, * (System)
            #CmpEventManager
                CmpEventManager Interfaces, * (System)
                #CmpEventManager Implementation
                    CmpEventManager Interfaces, * (System)
                    CmpErrors2 Interfaces, * (System)
                    SysTypes2 Interfaces, * (System)
                    SysTypes2 Interfaces, * (System)
                    CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
#SymbolicVarsBase
#CmpApp
    SysTypes2 Interfaces, * (System)
    #CmpEventManager
        CmpEventManager Interfaces, * (System)
        #CmpEventManager Implementation
            CmpEventManager Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
#SysMem
    SysTypes2 Interfaces, * (System)
Base Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
IecVarAccess3 Interfaces, * (System)
#StringUtils
    #Standard
    #SysMem
        SysTypes2 Interfaces, * (System)
    #SysTimeRtc
        #SysTimeCore
            SysTypes2 Interfaces, * (System)
            SysTypes2 Interfaces, * (System)
            CmpErrors2 Interfaces, * (System)
        #Component Manager
            #CmpEventManager
```

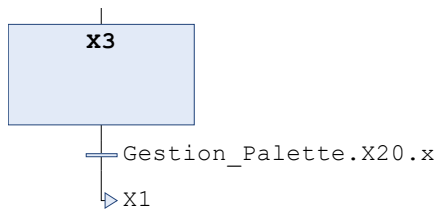
```
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
#Component Manager
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
  SysTypes2 Interfaces, * (System)
  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)
  SysTypes2 Interfaces, * (System)
  CmpErrors2 Interfaces, * (System)
CmpOPCUAStack Interfaces, * (System)
CmpUserMgr, 3.5.17.0 (System)
#CmpEventManager
  CmpEventManager Interfaces, * (System)
#CmpEventManager Implementation
  CmpEventManager Interfaces, * (System)
```

```
SysTypes2 Interfaces, * (System)
SysTypes2 Interfaces, * (System)
CmpErrors2 Interfaces, * (System)
CmpOPCUAStack, 3.5.17.0 (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)
CmpOPCUAServer Interfaces, * (System)
CmpOPCUAStack Interfaces, * (System)
IecVarAccessOpcUaMetaData Interfaces, * (System)
CmpUserMgr, 3.5.17.0 (System)
#Standard
#CmpLog
  SysTypes2 Interfaces, * (System)
#CmpApp
  SysTypes2 Interfaces, * (System)
  #CmpEventMgr
    CmpEventMgr Interfaces, * (System)
    #CmpEventMgr Implementation
      CmpEventMgr Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      SysTypes2 Interfaces, * (System)
      CmpErrors2 Interfaces, * (System)
#SysMem
  SysTypes2 Interfaces, * (System)
```

### 1.1.1.7 POU: Choix\_du\_mode

```
1  PROGRAM Choix_du_mode
2  VAR
3  END_VAR
4
```





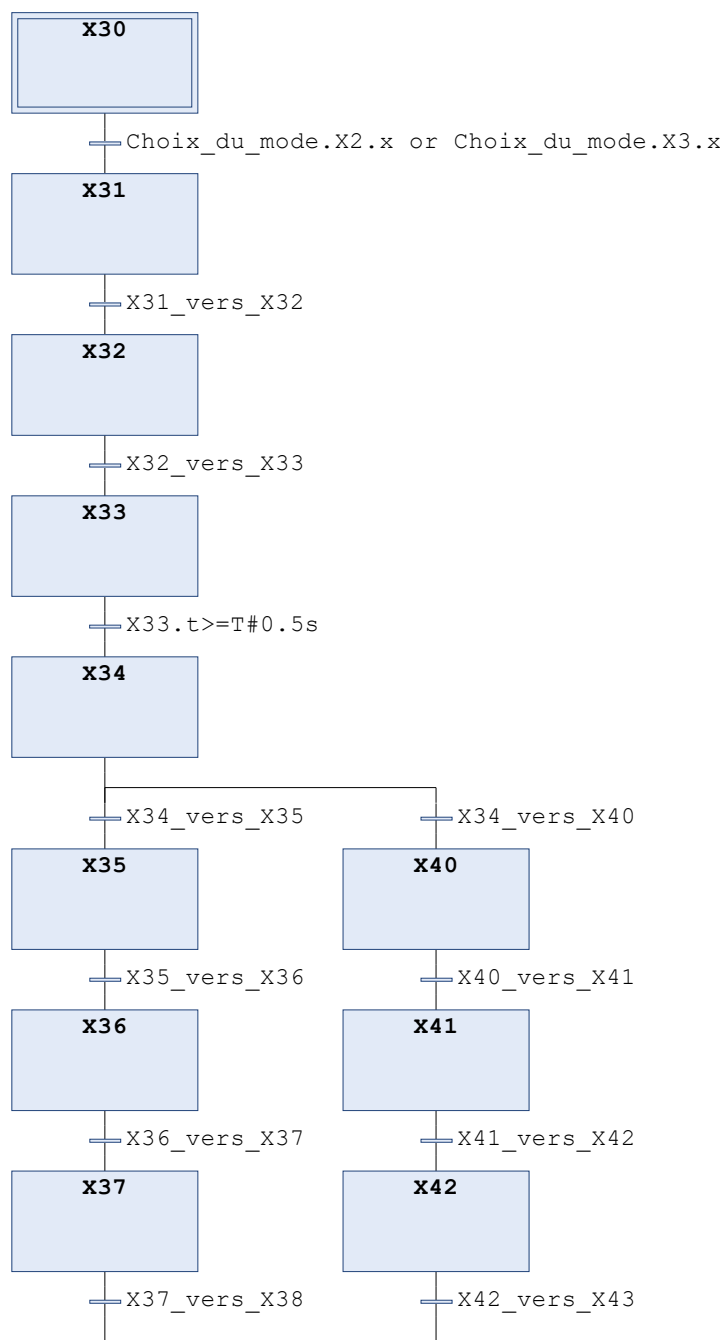


1.1.1.7.1 Transition: X1\_vers\_X2



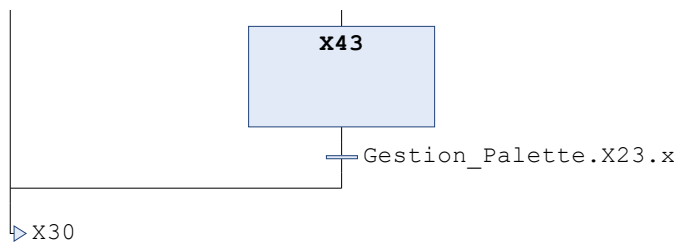
## 1.1.1.8 POU: G7\_Pince

```
1  PROGRAM G7_Pince
2  VAR
3  END_VAR
4
```

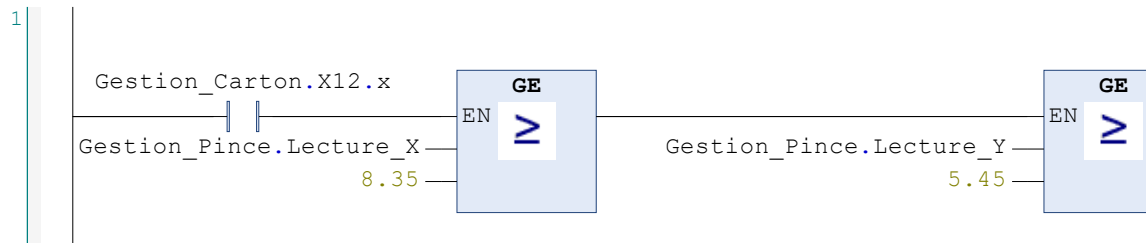


### 1.1.1.8 POU: G7\_Pince

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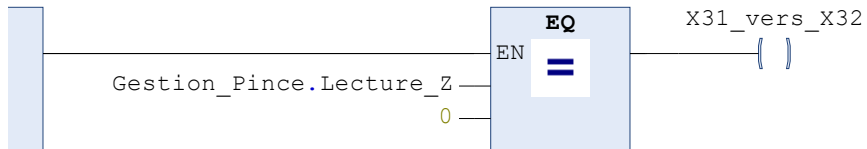


### 1.1.1.8.1 Transition: X31\_vers\_X32

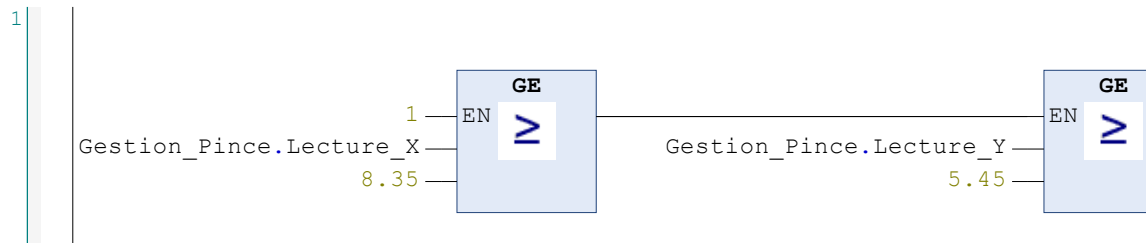


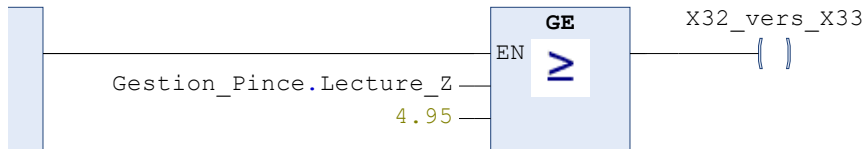
#### 1.1.1.8.1 Transition: X31\_vers\_X32

---

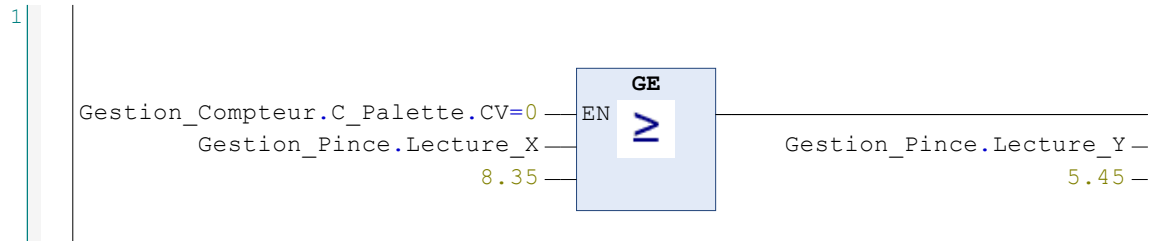


### 1.1.1.8.2 Transition: X32\_vers\_X33





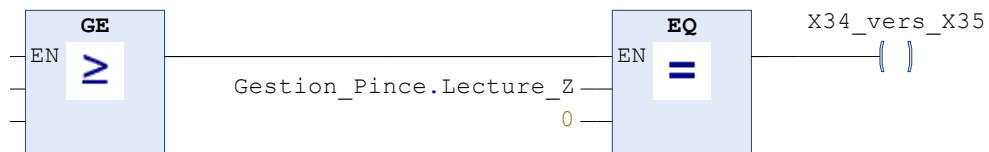
### 1.1.1.8.3 Transition: X34\_vers\_X35





#### 1.1.1.8.3 Transition: X34\_vers\_X35

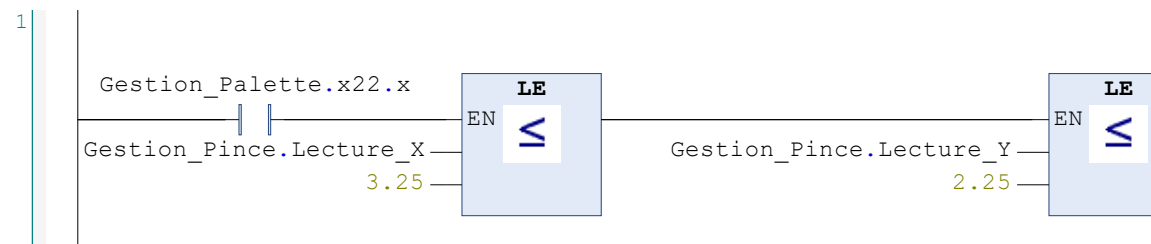
---

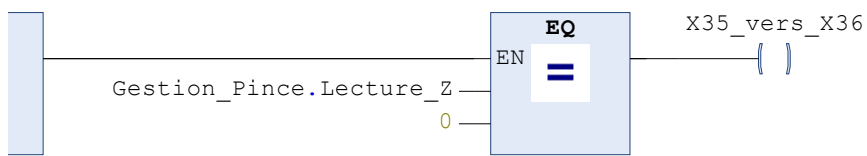


#### 1.1.1.8.4 Transition: X34\_vers\_X40

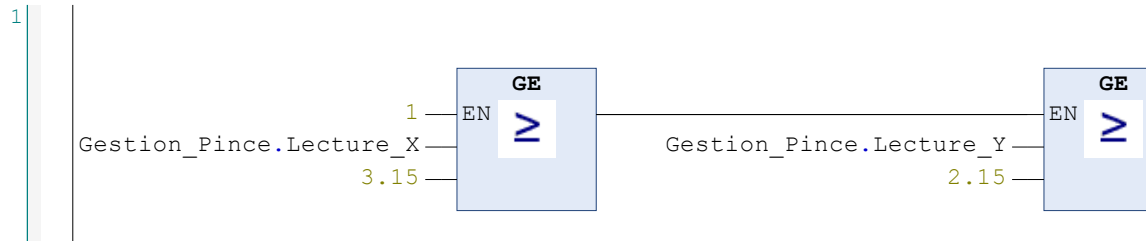
```
1  IF
2      Gestion_Pince . Lecture_X >= 7.25 AND Gestion_Pince . Lecture_Y >= 5.45
3      AND Gestion_Pince . Lecture_Z = 0 AND Gestion_Compteur . C_Palette . CV = 1
4      THEN X34_vers_X40 := 1 ;
5  END_IF
```

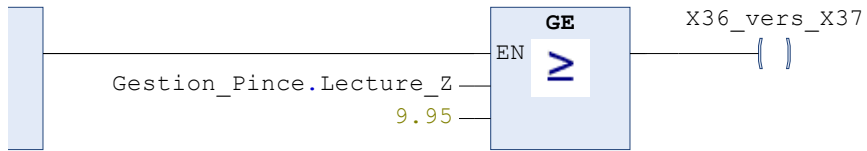
#### 1.1.1.8.5 Transition: X35\_vers\_X36



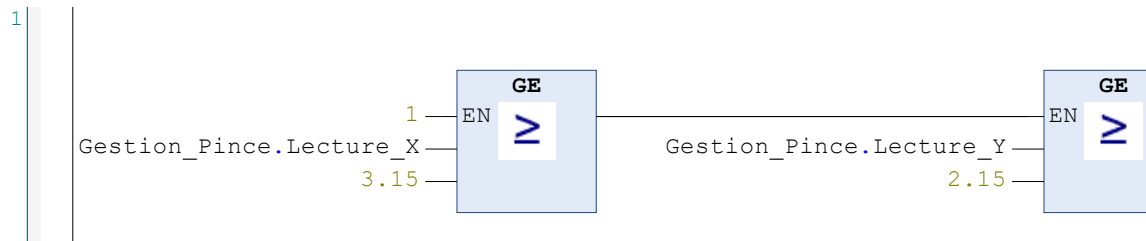


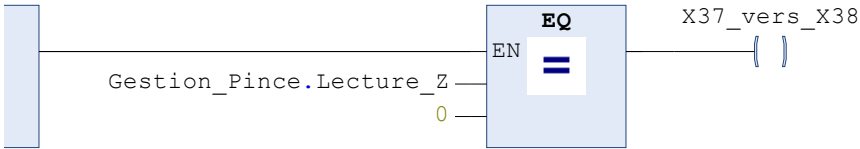
### 1.1.1.8.6 Transition: X36\_vers\_X37





### 1.1.1.8.7 Transition: X37\_vers\_X38





### 1.1.1.8.8 Transition: X40\_vers\_X41

```
1  IF
2      Gestion_Pince . Lecture_X <= 3.25 AND Gestion_Pince . Lecture_Y <= 6.05
3      AND Gestion_Pince . Lecture_Z = 0
4      THEN X40_vers_X41 := 1 ;
5  END_IF
```

### 1.1.1.8.9 Transition: X41\_vers\_X42

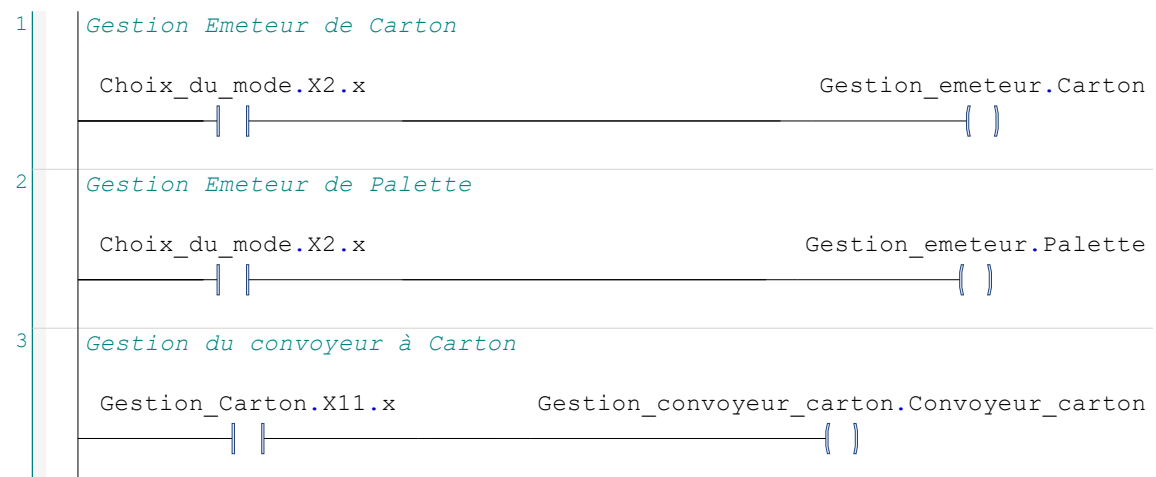
```
1  IF
2      Gestion_Pince . Lecture_X >= 3.05 AND Gestion_Pince . Lecture_Y >= 5.95
3      AND Gestion_Pince . Lecture_Z >= 9.95
4      THEN X41_vers_X42 := 1 ;
5  END_IF
```

### 1.1.1.8.10 Transition: X42\_vers\_X43

```
1  IF
2      Gestion_Pince . Lecture_X >= 3.05 AND Gestion_Pince . Lecture_Y >= 5.95
3      AND Gestion_Pince . Lecture_Z = 0
4      THEN X42_vers_X43 := 1 ;
5  END_IF
```

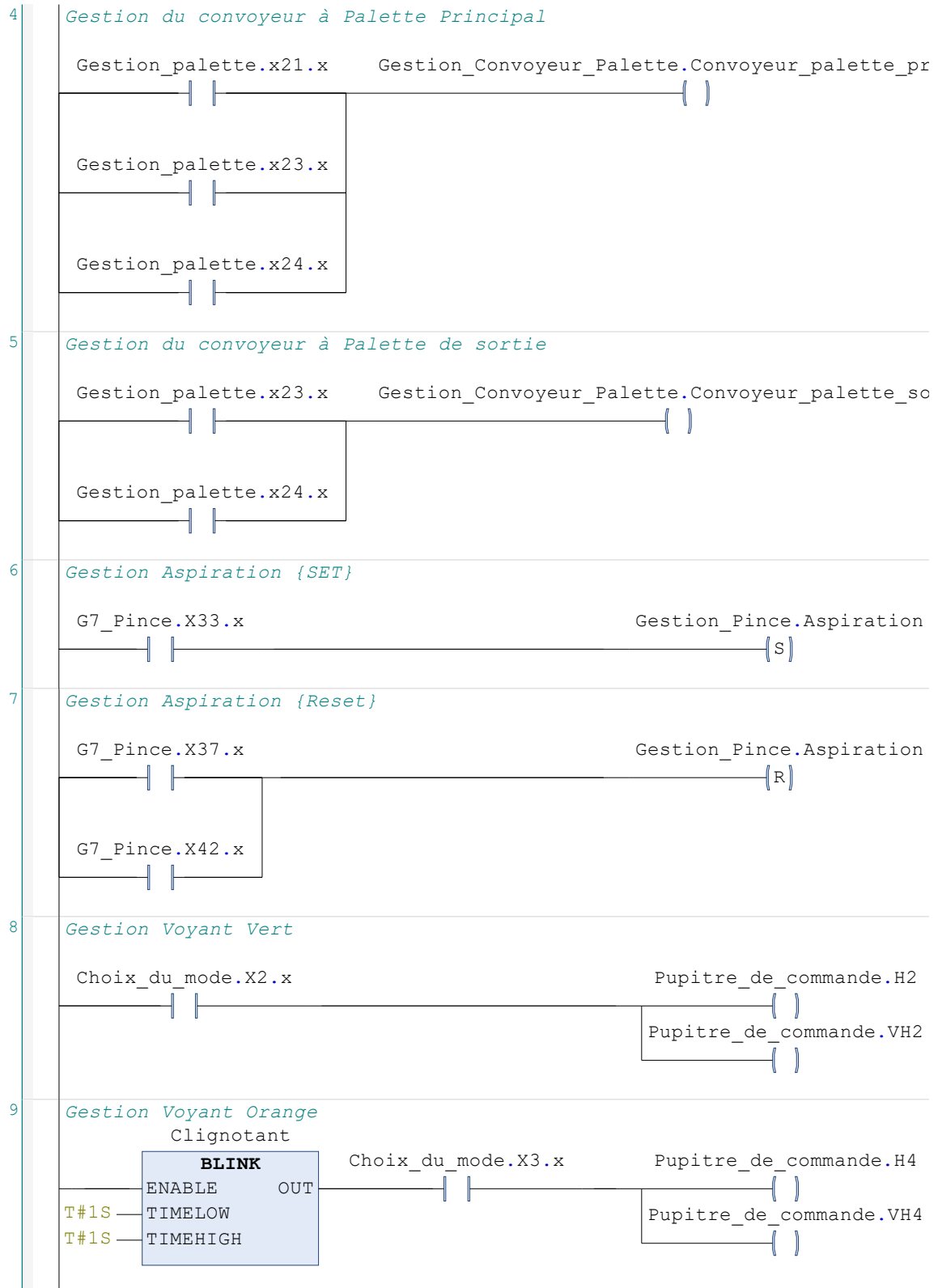
### 1.1.1.9 POU: Gestions\_Sorties

```
1  PROGRAM Gestions_Sorties
2
3  VAR
4      Clignotant : BLINK ;
5  END_VAR
6
```









incipal

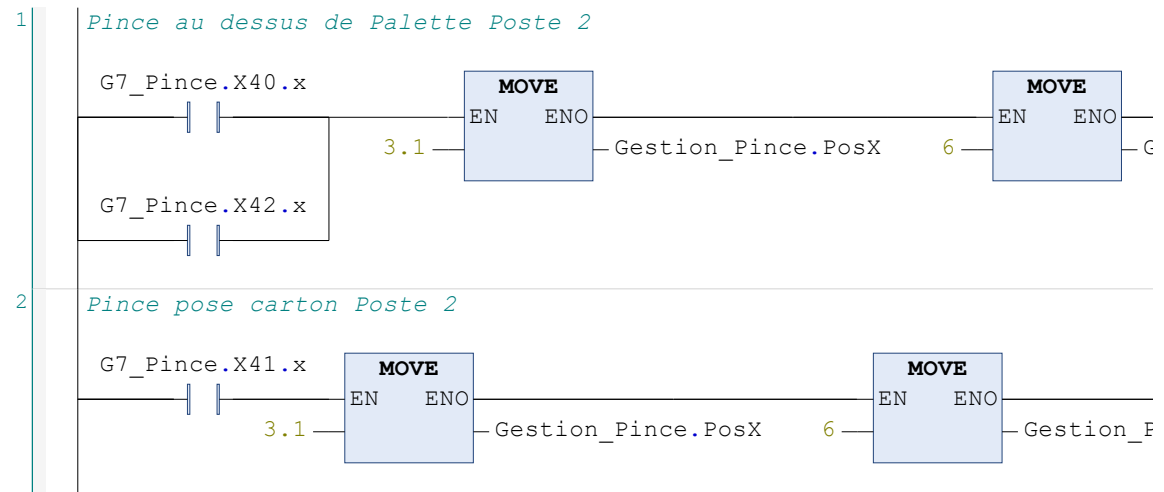
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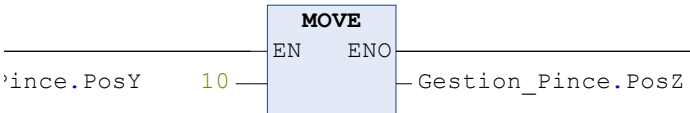
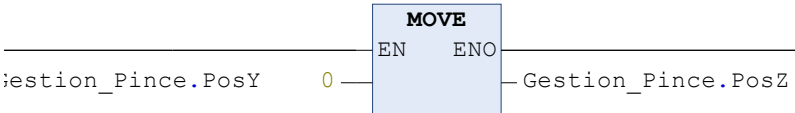
rtie

---

## 1.1.1.10 POU: Gestion\_Axe\_Pince\_LD

```
1  PROGRAM Gestion_Axe_Pince_LD
2  VAR
3  END_VAR
4
```





## 1.1.1.11 POU: Gestion\_Axe\_Pince\_ST

```

1      PROGRAM Gestion_Axe_Pince_ST
2      VAR
3      END_VAR
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34

```

```

1      IF (*Pince au dessus du carton*)
2          G7_pince . X31 . x
3          OR G7_pince . X34 . x
4          THEN
5              Gestion_Pince . PosX := 8.4 ;
6              Gestion_pince . PosY := 5.5 ;
7              Gestion_pince . PosZ := 0 ;
8          END_IF
9
10     IF (*Descente Pince au dessus carton*)
11         G7_pince . X32 . x
12         THEN
13             Gestion_Pince . PosX := 8.4 ;
14             Gestion_pince . PosY := 5.5 ;
15             Gestion_pince . PosZ := 5 ;
16         END_IF
17
18     IF (*Pince au dessus palette poste 1*)
19         G7_pince . X35 . x
20         OR G7_pince . X37 . x
21         THEN
22             Gestion_Pince . PosX := 3.2 ;
23             Gestion_pince . PosY := 2.2 ;
24             Gestion_pince . PosZ := 0 ;
25         END_IF
26
27     IF (*Descente Pince au dessus Palette poste 1*)
28         G7_pince . X36 . x
29         THEN
30             Gestion_Pince . PosX := 3.2 ;
31             Gestion_pince . PosY := 2.2 ;
32             Gestion_pince . PosZ := 10 ;
33         END_IF
34

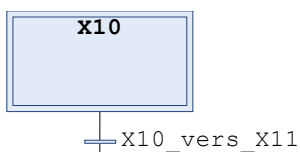
```

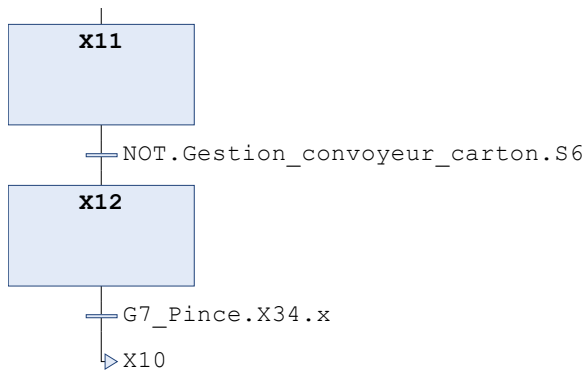
## 1.1.1.12 POU: Gestion\_Carton

```

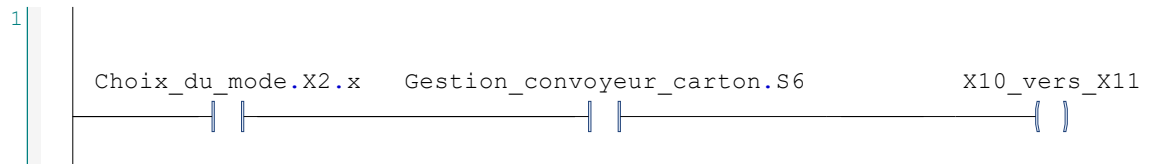
1      PROGRAM Gestion_Carton
2      VAR
3      END_VAR
4

```





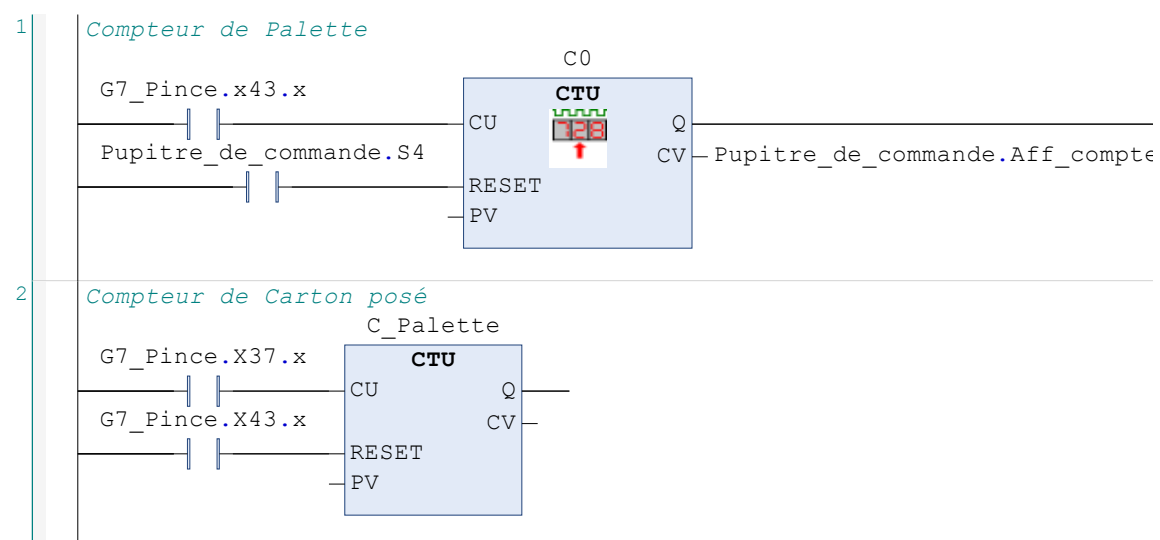
### 1.1.1.12.1 Transition: X10\_vers\_X11





## 1.1.1.13 POU: Gestion\_Compteur

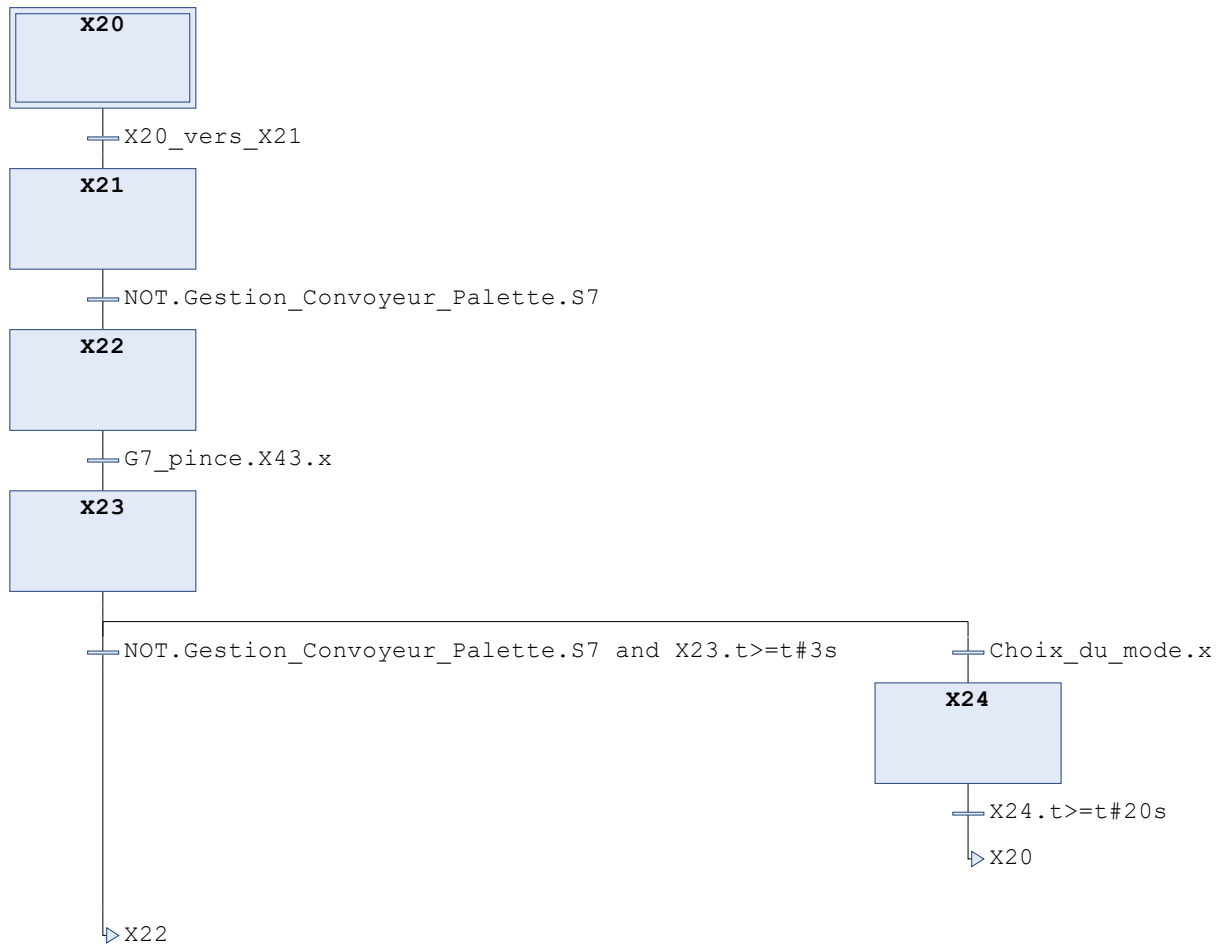
```
1  PROGRAM Gestion_Compteur
2  VAR
3      C0 : CTU ;
4      C_Palette : CTU ;
5  END_VAR
6
```



—  
eur  
—

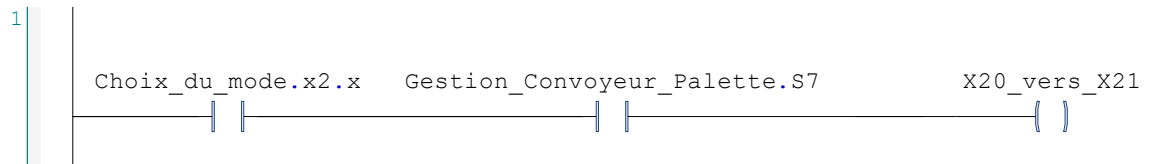
## 1.1.1.14 POU: Gestion\_Palette

```
1  PROGRAM Gestion_Palette
2  VAR
3  END_VAR
4
```



3.x

### 1.1.1.14.1 Transition: X20\_vers\_X21



### 1.1.1.15 Configuration de symbole: Symbols

### 1.1.1.16 Configuration de tâche: Configuration de tâche

Nombre max. de tâches : 19  
Nombre max. de tâches cycliques : 5  
Nombre max. de tâches exécutées librement : 1  
Nombre max. de tâches d'événement : 8  
Nombre max. de tâches d'événement externes : 16

Événements système:

#### 1.1.1.16.1 Tache: MAST

Priorité: 15  
Type: Cyclique  
Interval: 20 Unit: ms  
Horloge de surveillance: Active  
Temps d'horloge de surveillance: 100 Unité: ms  
Sensibilité d'horloge de surveillance: 1  
POU: Choix\_du\_mode  
Gestions\_Sorties  
Gestion\_Carton  
Gestion\_Palette  
G7\_Pince  
Gestion\_Axe\_Pince\_ST  
Gestion\_Compteur  
Gestion\_Axe\_Pince\_LD

##### 1.1.1.16.1.1 Appel d'un programme: Choix\_du\_mode

##### 1.1.1.16.1.2 Appel d'un programme: Gestions\_Sorties

##### 1.1.1.16.1.3 Appel d'un programme: Gestion\_Carton

1.1.1.16.1.4 Appel d'un programme: Gestion\_Palette

1.1.1.16.1.5 Appel d'un programme: G7\_Pince

1.1.1.16.1.6 Appel d'un programme: Gestion\_Axe\_Pince\_ST

1.1.1.16.1.7 Appel d'un programme: Gestion\_Compteur

1.1.1.16.1.8 Appel d'un programme: Gestion\_Axe\_Pince\_LD

## 2 Informations de projet: Project Information

<b>Fichier</b>	
Nom	Pick & Place XYZ.project
Emplacement de stockage	C:\Users\FORMATEUR\Desktop
Taille	2,35 Mo (2 466 832 octets)
Nom MS-DOS	C:\Users\FORMAT~1\Desktop\PICK&P~1.PRO
Créé	mercredi 27 novembre 2024 16:27:38
Modifié	jeudi 28 novembre 2024 15:53:24
Dernier accès	jeudi 28 novembre 2024 15:53:24
Attributs	Archive
Format d'enregistrement	V22.1.1.0
<b>Résumé</b>	
Société	PERFO
Titre	Pick & Place XYZ
Version	0.0.0.0
Catégories	
Espace de noms par défaut	
Auteur	Duchamp Corentin
Description	
<b>Propriétés</b>	
Author	[Texte] Duchamp Corentin
Company	[Texte] PERFO
Description	[Texte]
Git:IsGitManaged	[Oui / non] False
Project	[Texte] Pick & Place XYZ
Svn:IsSvnManaged	[Oui / non] False
Title	[Texte] Pick & Place XYZ
Version	[Version] 0.0.0.0

### Statistiques

Application	1
	1
Configuration de tâche	1
Appareil	14
Logique API	1
Tache	1
	1
Gestionnaire de bibliothèque	1
Informations de projet	1
Configuration de symbole	1
Liste de variables globales	5
Transition	13
POU	8
Appel d'un programme	8

## 3 : Project Settings

Analyse statique Light:

Variables non-utilisées (#33): 0

Zones de mémoire chevauchées (#28): 0

Accès simultané (#6): 0

Accès en écriture multiple sur la sortie (#4): 0

Usage multiple du nom (#27): 0

Rapport instances temporaires de bloc fonctionnel (#167): 0

Opération suspecte sur chaîne (#175): 0