IA_Project / PLC_1 [CPU 1511-1 PN] / Program blocks / 04 green boxing line

green_boxing_move_to_XYZ [FC1]

green_boxing_move_to_XYZ Properties					
General					
Name	green_box-ing_move_to_XYZ	**Number**	1	**Type**	FC
Language	LAD	**Numbering**	Automatic		
Information					
Title		**Author**		**Comment**	
Family		**Version**	0.1	**User-defined ID**	

green_boxing_move_to_XYZ		
Name	**Data type**	**Default value**
▼ Input		
X	Real	
Y	Real	
Z	Real	
▼ Output		
done	Bool	
InOut		
▼ Temp		
X_int	Int	
Y_int	Int	
Z_int	Int	
X_ret_val	Word	
Y_ret_val	Word	
Z_ret_val	Word	
X_reached	Bool	
Y_reached	Bool	
Z_reached	Bool	
False	Bool	
Constant		
▼ Return		
green_boxing_move_to_XYZ	Void	

Network 1:

Network 2:

```
                        UNSCALE
              EN                    ENO
     #X ─── IN                  RET_VAL ─── #X_ret_val
   10.0 ─── HI_LIM                  OUT ─── #X_int
    0.0 ─── LO_LIM
  #False
   ──┤ ├──    BIPOLAR
```

Network 3:

```
                        UNSCALE
              EN                    ENO
     #Y ─── IN                  RET_VAL ─── #Y_ret_val
   10.0 ─── HI_LIM                  OUT ─── #Y_int
    0.0 ─── LO_LIM
  #False
   ──┤ ├──    BIPOLAR
```

Network 4:

```
                        UNSCALE
              EN                    ENO
     #Z ─── IN                  RET_VAL ─── #Z_ret_val
   10.0 ─── HI_LIM                  OUT ─── #Z_int
    0.0 ─── LO_LIM
  #False
   ──┤ ├──    BIPOLAR
```

Network 5:

```
                 MOVE
          EN          ENO
 #X_int ─ IN
                          %QW24
                          "green_boxing_
                          move_X"
               OUT1 ───
```

Network 6:

```
                 MOVE
          EN          ENO
 #Y_int ─ IN
                          %QW26
                          "green_boxing_
                          move_Y"
               OUT1 ───
```

Network 7:

```
                         MOVE
                    EN        ENO
      #Z_int ——— IN                                    %QW28
                                                    "green_boxing_
                      OUT1 ——                        move_Z"
```

Network 8:

```
                              %FC2
                    "analog_arm_check_reached"
                    EN              ENO
      #X_int ——— X_set_point    reached ——— #done

      %IW12
   "green_boxing_
    X_position" ——— X_position

      #Y_int ——— Y_set_point

      %IW14
   "green_boxing_
    Y_position" ——— Y_position

      #Z_int ——— Z_set_point

      %IW16
   "green_boxing_
    Z_position" ——— Z_position
```