

lamaLibrary: bitsToByte

The function 8 bits JOIN to a byte.

Function call:

```
"bitsToByte" (bit00:=_bool_in_,
              bit01:=_bool_in_,
              bit02:=_bool_in_,
              bit03:=_bool_in_,
              bit04:=_bool_in_,
              bit05:=_bool_in_,
              bit06:=_bool_in_,
              bit07:=_bool_in_,
              OUT=>_byte_out_);
```

Source code:

```
TITLE = JOIN A BYTE FROM BITS
{ S7_Optimized_Access := 'FALSE' }
AUTHOR : lamaLibrary
FAMILY : TOOLS
VERSION : 0.1
//Build a word, bit-by-bit
VAR_INPUT
    bit00 : BOOL;    // Bit 00 of BYTE
    bit01 : BOOL;    // Bit 01 of BYTE
    bit02 : BOOL;    // Bit 02 of BYTE
    bit03 : BOOL;    // Bit 03 of BYTE
    bit04 : BOOL;    // Bit 04 of BYTE
    bit05 : BOOL;    // Bit 05 of BYTE
    bit06 : BOOL;    // Bit 06 of BYTE
    bit07 : BOOL;    // Bit 07 of BYTE
END_VAR

VAR_OUTPUT
    OUT : BYTE;    // Word constructed from bits
END_VAR

BEGIN
    // Assemble bits to a byte
    #OUT.%X0 := #bit00;
    #OUT.%X1 := #bit01;
    #OUT.%X2 := #bit02;
    #OUT.%X3 := #bit03;
    #OUT.%X4 := #bit04;
    #OUT.%X5 := #bit05;
    #OUT.%X6 := #bit06;
```

```
#OUT.%X7 := #bit07;
```

END_FUNCTION



Join bits to byte (SCL) Download

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