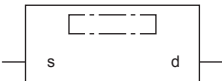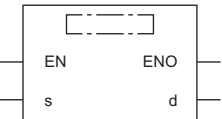# 20.18 Converting INT to WORD

INT_TO_WORD(_E)

FX5S **FX5UJ** **FX5U** **FX5UC**

These functions convert INT type data to WORD type data.

Ladder diagram, FBD/LD		Structured text

[Without EN/ENO]
 	
 s ⎯⎯ d
	[With EN/ENO]
	
	 EN ⎯ ENO
	 s ⎯ d
		[Without EN/ENO]
		 d:=INT_TO_WORD(s);
		 [With EN/ENO]
		 d:=INT_TO_WORD_E(EN,ENO,s);

Setting data

■Descriptions, types, and data types

Argument	Description	Type	Data type
EN	Execution condition (TRUE: Execution, FALSE: Stop)	Input variable	BOOL
s(IN)	Input	Input variable	INT
ENO	Output status (TRUE: Normal, FALSE: Abnormal)	Output variable	BOOL
d(INT_TO_WORD(_E))	Output	Output variable	WORD

Processing details

■Operation processing

• These functions convert the INT type data input to (s) to WORD type data and output from (d).

(s)		(d)
22136	⟹	5678H
INT		WORD
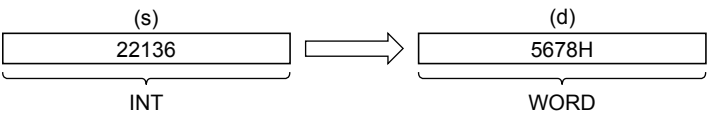
• A value input to (s) is the INT type data value.

■Operation result

1. Function without EN/ENO

The operation processing is executed. The operation output value is output from (d).

2. Function with EN/ENO

The following table lists the execution conditions and operation results.

Execution condition	Operation result	
EN	**ENO**	**(d)**
TRUE (Executes operation)	TRUE	Operation output value
FALSE (Stops operation)	FALSE[*1]	Indefinite value

*1 When FALSE is output from ENO, data output from (d) is undefined. In that case, modify a program so that the data output from (d) is not used.

Operation error

There is no operation error.