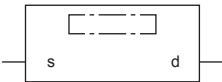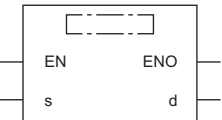# 20.21 Converting INT to BCD

INT_TO_BCD(_E)

FX5S　**FX5UJ**　**FX5U**　**FX5UC**

These functions convert INT type data to BCD type data.

Ladder diagram, FBD/LD		Structured text

[Without EN/ENO]	[With EN/ENO]	[Without EN/ENO]
		d:=INT_TO_BCD(s);
		[With EN/ENO]
		d:=INT_TO_BCD_E(EN,ENO,s);

Setting data

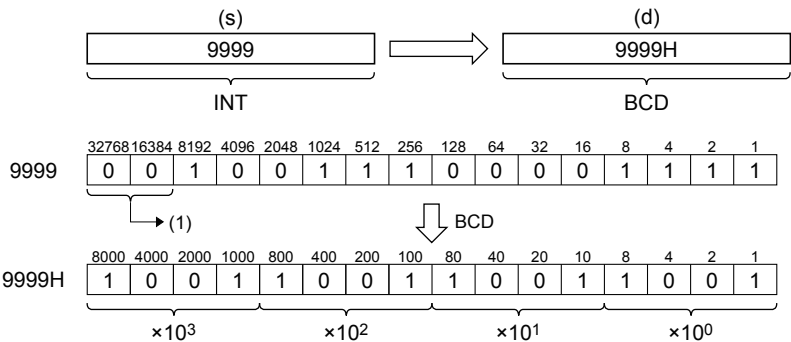#### ■Descriptions, types, and data types

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_BCD(_E))	Output	Output variable	WORD

Processing details

■Operation processing

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

(1): Make sure to set them to "0".

• A value input to (s) is the INT type data value and within the range from 0 to 9999.

■Operation result

1. Function without EN/ENO

The following table lists the operation results.

Operation result	(d)
No operation error occurred	Operation output value
An operation error occurred	Indefinite value

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 error did not occur)	Operation output value
	FALSE (Operation error occurred)[1]	Indefinite 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

Error code (SD0/SD8067)	Description
3401H	Data in the device specified by (s) is out of the valid range (0 to 9999).