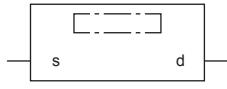


# 20.17 Converting INT to BOOL

## INT\_TO\_BOOL(\_E)

FX5S FX5UJ FX5U FX5UC

These functions convert INT type data to BOOL type data.

Ladder diagram, FBD/LD	Structured text
[Without EN/ENO]  [With EN/ENO] 	[Without EN/ENO] <code>d:=INT_TO_BOOL(s);</code> [With EN/ENO] <code>d:=INT_TO_BOOL_E(EN,ENO,s);</code>

### Setting data

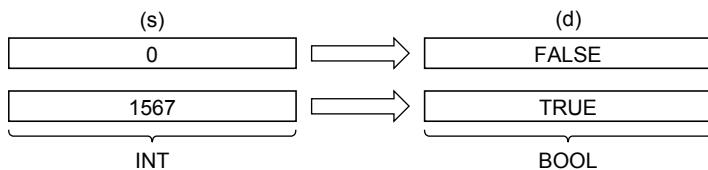
#### ■ Descriptions, types, and data types

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_BOOL(_E))	Output	Output variable	BOOL

### Processing details

#### ■ Operation processing

- These functions convert the INT type data input to (s) to BOOL type data and output from (d).
- When the input value is 0, these functions output "FALSE".
- When the input value is any value other than 0, these functions output "TRUE".



- 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 <sup>*1</sup>	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.