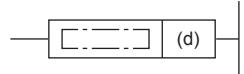
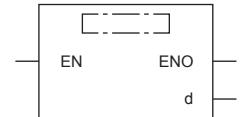


Incrementing 16-bit binary data

INC(P)(_U)

FX5S FX5UJ FX5U FX5UC

These instructions add 1 to the device (16-bit binary data) specified by (d).

Ladder diagram	Structured text
	ENO:=INC(EN,d); ENO:=INCP(EN,d);
FBD/LD	
	

Setting data

■ Descriptions, ranges, and data types

7

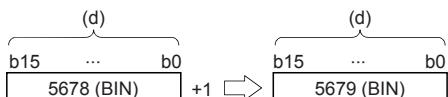
Operand	Description	Range	Data type	Data type (label)
(d)	INC(P)	-32768 to +32767	16-bit signed binary	ANY16_S
		0 to 65535	16-bit unsigned binary	ANY16_U
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■ Applicable devices

Operand	Bit	Word			Double word		Indirect specification	Constant			Others
		X, Y, M, L, SM, F, B, SB, S	T, ST, C, D, W, SD, SW, R	U□\G□	Z	LC		K, H	E	\$	
(d)	○	○	○	○	—	—	○	—	—	—	—

Processing details

- These instructions add 1 to the device (16-bit binary data) specified by (d).

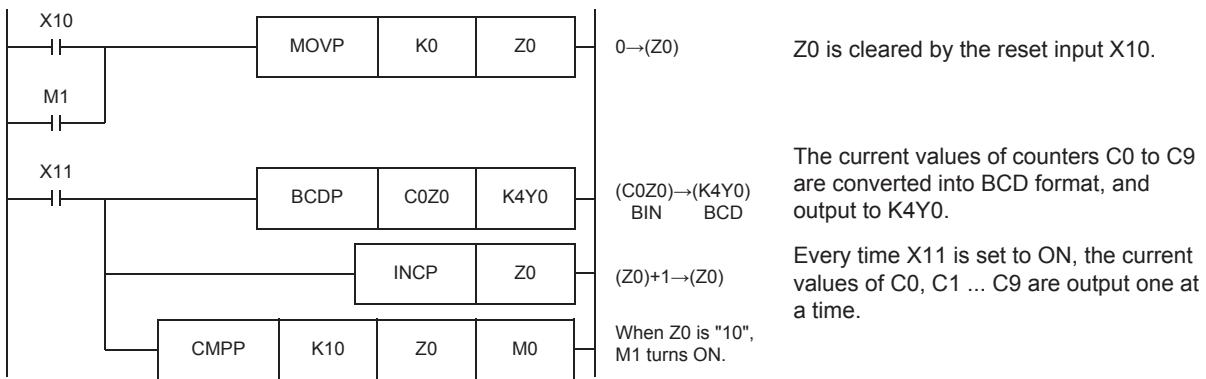


- If INC(P) instruction is executed when contents of device specified by (d) is 32767, -32768 is stored in the device specified by (d). (If signed is specified)
- If INC(P)_U instruction is executed when contents of device specified by (d) is 65535, 0 is stored in the device specified by (d). (If unsigned is specified)
- Flags (zero, carry and borrow) are not activated at this time.

Precautions

Note that data is incremented in every operation cycle in a continuous operation type (INC) instruction.

Program example



Operation error

There is no operation error.