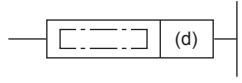
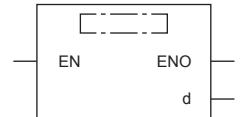


Decrementing 32-bit binary data

DDEC(P)(_U)

FX5S FX5UJ FX5U FX5UC

These instructions subtract 1 from the device (32-bit binary data) specified by (d).

Ladder diagram	Structured text
	ENO:=DDEC(EN,d); ENO:=DDEC_P(EN,d); ENO:=DDEC_U(EN,d); ENO:=DDEC_P_U(EN,d);
FBD/LD	
	

Setting data

■ Descriptions, ranges, and data types

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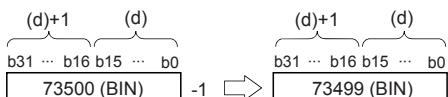
Operand	Description	Range	Data type	Data type (label)
(d)	Head device to be decremented by 1	-2147483648 to +2147483647	32-bit signed binary	ANY32_S
		0 to 4294967295	32-bit unsigned binary	ANY32_U
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

■ 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 subtract 1 from the contents of device (32-bit binary data) specified by (d).



- If DDEC(P) instruction is executed when contents of device specified by (d) is 0, -1 is stored in the device specified by (d). (If signed is specified)
- If DDEC(P)_U instruction is executed when contents of device specified by (d) is 0, 4294967295 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 decremented in every operation cycle in a continuous operation type (DDEC) instruction.

Operation error

There is no operation error.