

Performing an XOR operation on 32-bit data

DXOR(P) [using two operands]

FX5S FX5UJ FX5U FX5UC

These instructions exclusive OR each bit of 32-bit binary data from the device specified by (d) and each bit of 32-bit binary data from device specified by (s), and store the results in the device specified by (d).

Ladder diagram	Structured text
	Not supported Page 297 DXOR(P) [using three operands]

FBD/LD
Not supported. Page 297 DXOR(P) [using three operands]

Setting data

Descriptions, ranges, and data types

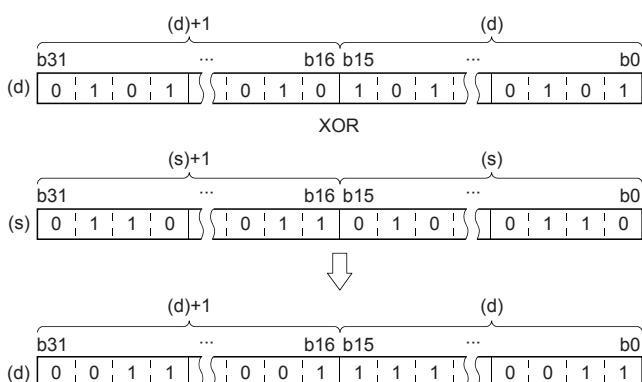
Operand	Description	Range	Data type	Data type (label)
(s)	Data for exclusive OR or head device where data is stored	-2147483648 to +2147483647	32-bit signed binary	ANY32
(d)	Head device for storing exclusive OR results	-2147483648 to +2147483647	32-bit signed binary	ANY32

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	\$	
(s)	○	○	○	○	○	○	○	○	—	—	—
(d)	○	○	○	○	○	○	○	—	—	—	—

Processing details

- These instructions exclusive OR each bit of 32-bit binary data from the device specified by (d) and each bit of 32-bit binary data from device specified by (s), and store the results in the device specified by (d).



- Bit devices subsequent to number of points by digit specification are calculated as 0.

Operation error

There is no operation error.

DXOR(P) [using three operands]

FX5S FX5UJ FX5U FX5UC

These instructions exclusive OR each bit of 32-bit binary data from the device specified by (s1) and each bit of 32-bit binary data from device specified by (s2), and store the results in the device specified by (d).

Ladder diagram	Structured text
	ENO:=DXOR(EN,s1,s2,d); ENO:=DXORP(EN,s1,s2,d);
FBD/LD	

Setting data

■ Descriptions, ranges, and data types

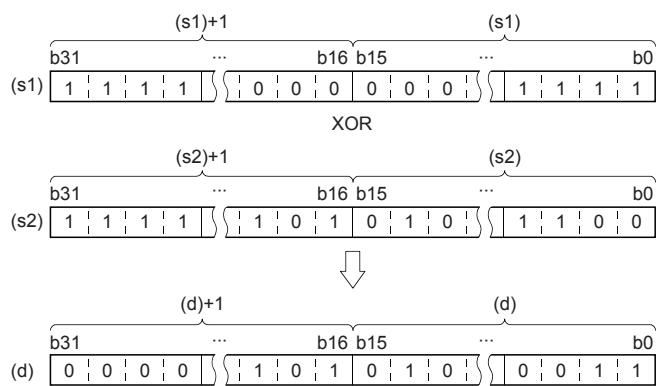
Operand	Description	Range	Data type	Data type (label)
(s1)	Data for exclusive OR or head device where data is stored	-2147483648 to +2147483647	32-bit signed binary	ANY32
(s2)	Data for exclusive OR or head device where data is stored	-2147483648 to +2147483647	32-bit signed binary	ANY32
(d)	Head device for storing exclusive OR results	—	32-bit signed binary	ANY32
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	\$	
(s1)	○	○	○	○	○	○	○	○	—	—	—
(s2)	○	○	○	○	○	○	○	○	—	—	—
(d)	○	○	○	○	○	○	○	—	—	—	—

Processing details

- These instructions exclusive OR each bit of 32-bit binary data from the device specified by (s1) and each bit of 32-bit binary data from device specified by (s2), and store the results in the device specified by (d).



- Bit devices subsequent to number of points by digit specification are calculated as 0.

Operation error

There is no operation error.