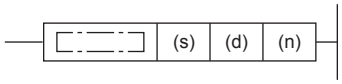
Transferring identical 16-bit block data (65535 points maximum)

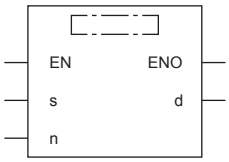
FMOV(P)

FX5S FX5UJ FX5U FX5UC

These instructions transfer (n) point(s) of data identical to the 16-bit binary data in the device specified by (s) to the device specified by (d).

Ladder diagram	Structured text
	ENO:=FMOV(EN,s,n,d); ENO:=FMOVP(EN,s,n,d);

FBD/LD



Setting data

■Descriptions, ranges, and data types

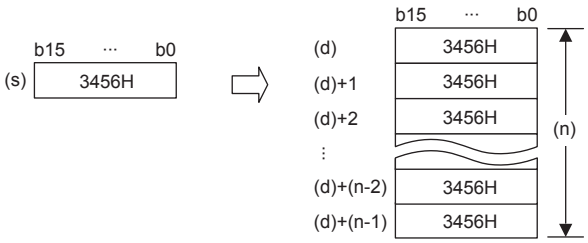
Operand	Description	Range	Data type	Data type (label)
(s)	Data to be transferred or the head device for storing the data to be transferred	-32768 to +32767	16-bit signed binary	ANY16
(d)	Head device of the transfer-destination	—	16-bit signed binary	ANY16
(n)	Number of transfers	1 to 65535	16-bit unsigned binary	ANY16
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	LZ		K, H	E	$	
(s)	○	○	○	○	—	—	○	○	—	—	—
(d)	○	○	○	—	—	—	○	—	—	—	—
(n)	○	○	○	○	—	—	○	○	—	—	—

Processing details

- These instructions transfer (n) point(s) of data identical to the 16-bit binary data in the device specified by (s) to the device specified by (d).



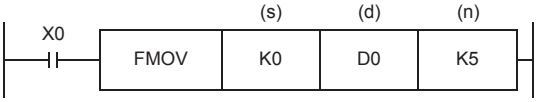
- If the number of points specified by (n) exceeds the device number range, data is transferred within the possible range.
- When a constant (K) is specified as the transfer source (s), it is automatically converted into binary.

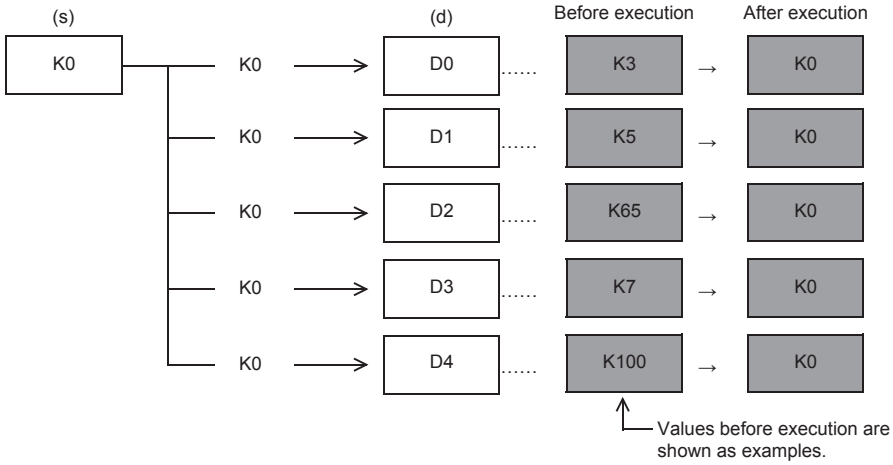
Precautions

When the value specified in (n) is 0, an operation error does not occur, but no processing is performed.

Program example

- When writing specified data to two or more devices





Operation error

There is no operation error.