

Transferring character strings

\$MOV(P)

FX5S FX5UJ FX5U FX5UC

These instructions transfer the character string data specified by (s) to the device specified by (d) and later.

Ladder diagram	Structured text ^{*1}
	ENO:=STRINGMOV(EN,s,d); ENO:=STRINGMOVP(EN,s,d);
FBD/LD	
	("STRINGMOV", "STRINGMOVP" enters □.)

*1 Supported by engineering tool version "1.035M" and later.

Setting data

■ Descriptions, ranges, and data types

Operand	Description	Range		Data type		Data type (label)	
(s)	Character string to be transferred (up to 255 characters) or head device number storing a character string	—		Character string		ANYSTRING_SINGLE	
(d)	Head device number storing transferred character string	—		Character string		ANYSTRING_SINGLE	
EN	Execution condition	—		Bit		BOOL	
ENO	Execution result	—		Bit		BOOL	

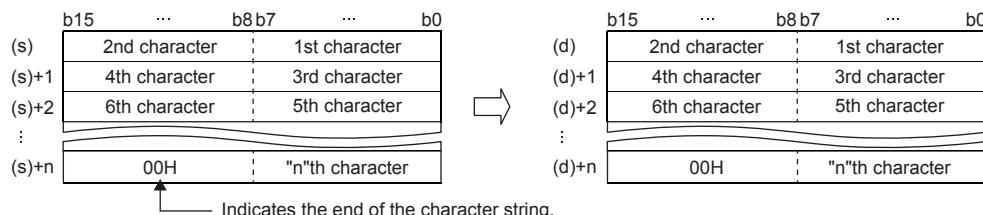
■ Applicable devices

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	\$	
(s)	—	○ ^{*1}	—	—	—	—	○	—	—	○	—
(d)	—	○ ^{*1}	—	—	—	—	○	—	—	—	—

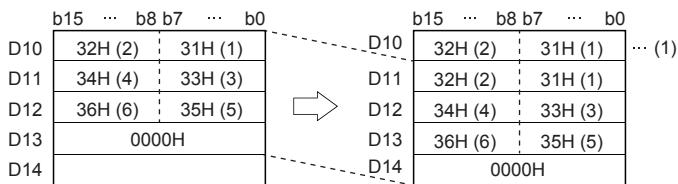
*1 T, ST, and C cannot be used.

Processing details

- These instructions transfer the character string data specified by (s) to the device specified by (d) and later. A character string enclosed with double quotation marks and specified by (s) or stored in the devices from the device specified by (s) to the device storing 00H is transferred in a batch.

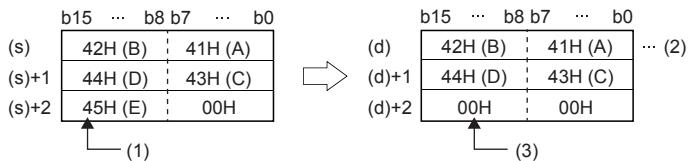


- Even though the device range of the data to be transferred (s) to (s)+n and the device range for storing the transferred data (d) to (d)+n overlap, the processing is performed normally. For example, when a character string stored in D10 to D13 is transferred to D11 to D14, the transfer is executed as shown below:



(1): It is the same as the character string before transfer.

- When "00H" is stored in the lower byte of (s)+n, "00H" is stored to both the upper byte and lower byte of (d)+n.



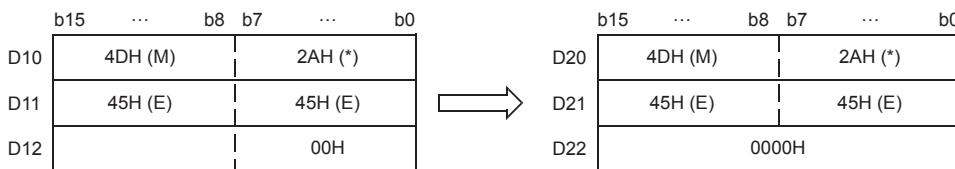
(1): The high-order byte is not transferred.

(2): It is the same as the character string before transfer.

(3): "00H" is automatically stored in the high-order byte.

Program example

In the program example shown below, character string data stored in D10 to D12 is transferred to D20 through D22 when X0 is set to ON.



Operation error

Error code (SD0/SD8067)	Description
2820H	In the corresponding device range of the device specified by (s) and later, "00H" does not exist.
3405H	The character string specified by (s) has more than 16383 characters.
3406H	The whole specified character string cannot be stored in the devices from the device specified by (d) to the last device in the corresponding device range.