

8.24 Indirect Address Read Instruction

Reading the indirect address

ADRSET(P)

FX5S FX5UJ FX5U FX5UC

These instructions store the indirect address of the device specified by (s) to the device specified by (d).

The addresses stored in the device specified by (d)+0 and (d)+1 are used by the program to execute the indirect address of the device.

Ladder diagram	Structured text
	ENO:=ADRSET(EN,s,d); ENO:=ADRSETP(EN,s,d);

FBD/LD

Setting data

■ Descriptions, ranges, and data types

Operand	Description	Range	Data type	Data type (label)
(s)	Device number for reading the indirect address	—	Device name	ANY_ELEMENTARY ^{*1}
(d)	Device number for storing the indirect address of the device specified by (s)	—	32-bit signed binary	ANY32
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

*1 Digit specified bit type label cannot be used.

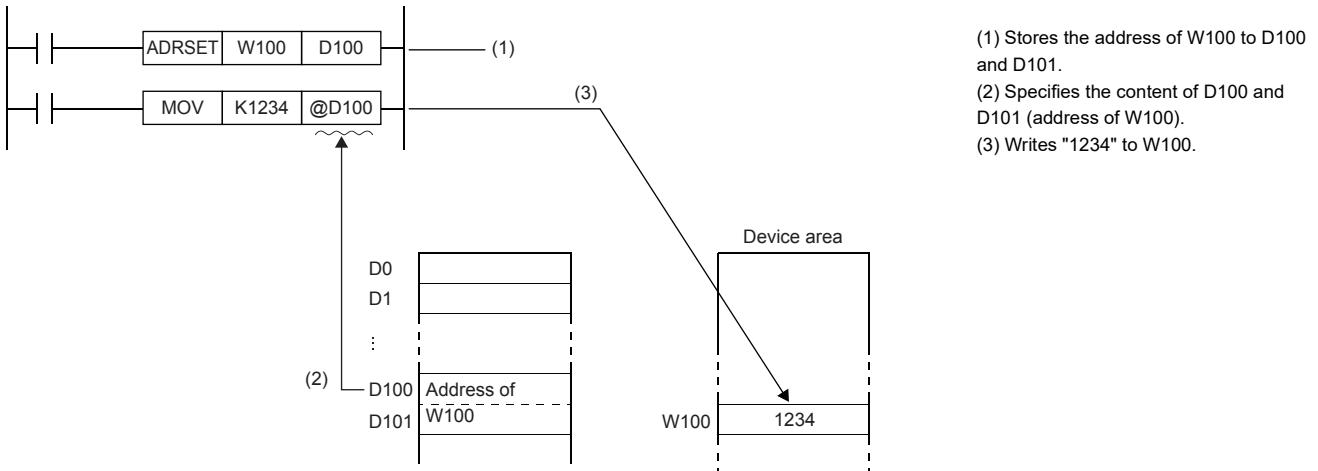
■ Applicable devices

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 T, ST, and C cannot be used.

Processing details

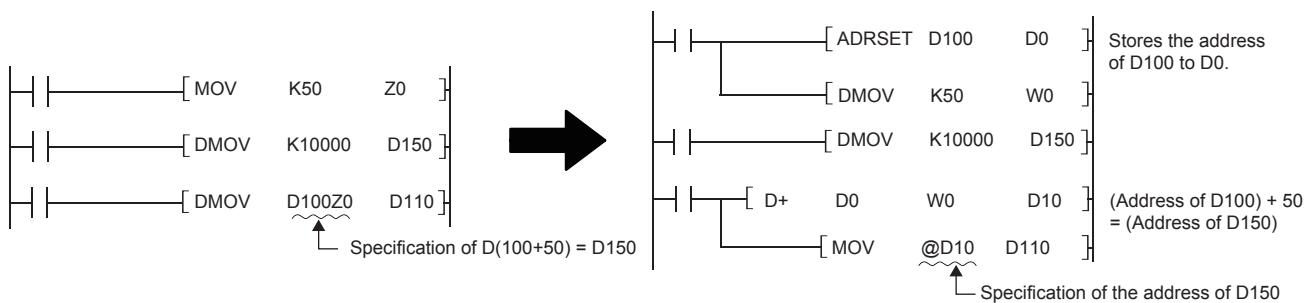
- These instructions store the indirect address of the device specified by (s) to the device specified by (d). The addresses stored in the device specified by (d)+0 and (d)+1 are used by the program to execute the indirect address of the device.



- The nibble of a bit device, and the bit of a word device cannot be specified in (s).

Precautions

- In the indirect specification, the device address used in sequence program is specified with a word device of 2 words (2-word devices). Use the indirect specification as an index when index register is insufficient.



- In the indirect specification, the device which specify the address of the specified device is specified by "@+(word device number)". For example, when "@D100" is specified, and the content of D101 and D100 becomes the device address.

Operation error

There is no operation error.