

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.

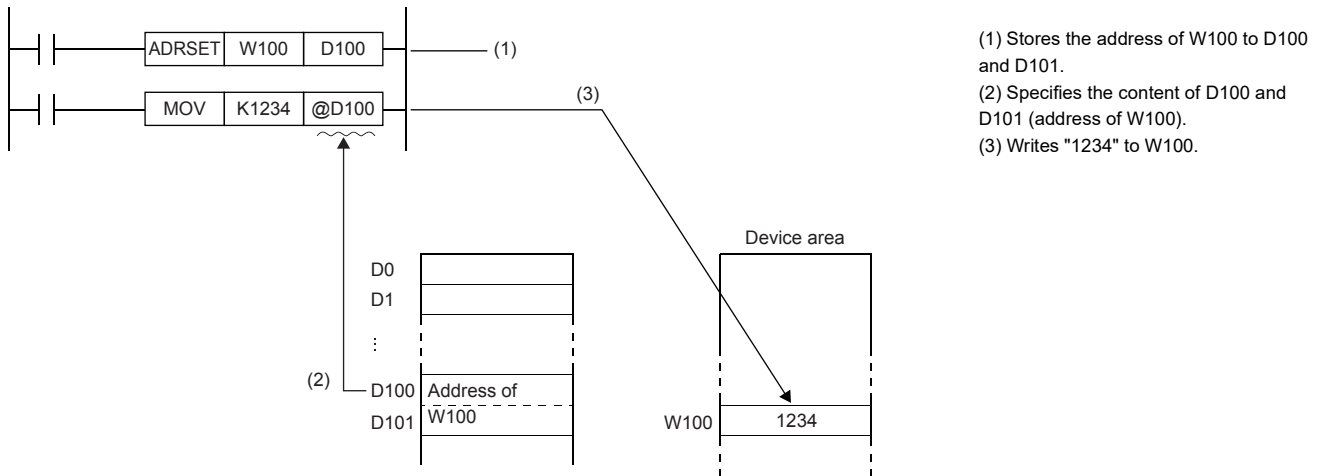
■Applicable devices

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	LZ		K, H	E	\$	
(s)	—	○*1	—	—	—	—	○	—	—	—	—
(d)	—	○	—	—	—	—	○	—	—	—	—

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

Processing details

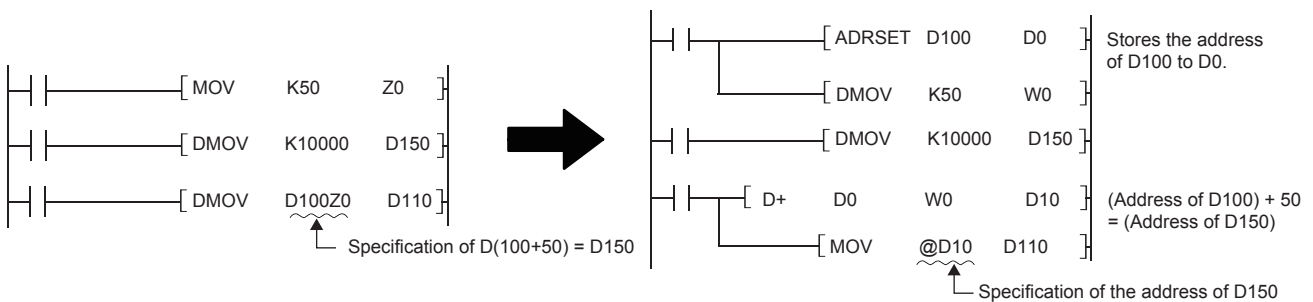
- These instructions store the indirect address of the device specified by (s) to the device specified by (d). The addresses stored in the device specified by (d)+0 and (d)+1 are used by the program to execute the indirect address of the device.



- 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.