

# Shifting n-word data to the right by 1 word

## DSFR(P)

**FX5S** **FX5UJ** **FX5U** **FX5UC**

These instructions shift (n) point(s) of data to the right by 1 word from the device specified by (d).

Ladder diagram	Structured text
	ENO:=DSFR(EN,n,d); ENO:=DSFRP(EN,n,d);

FBD/LD

### Setting data

#### ■Descriptions, ranges, and data types

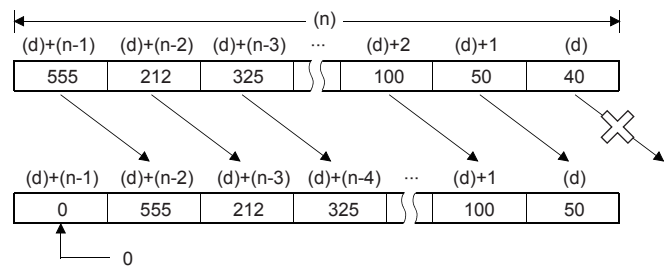
Operand	Description	Range	Data type	Data type (label)
(d)	Head device number to be shifted	—	Word	ANY16
(n)	Number of devices to be shifted	0 to 65535	16-bit unsigned binary	ANY16
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

#### ■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	\$	
(d)	—	○	—	—	—	—	○	—	—	—	—
(n)	○	○	○	○	—	—	○	○	—	—	—

### Processing details

- These instructions shift (n) point(s) of data to the right by 1 word from the device specified by (d).



- The value of the device specified by (d) + (n-1) becomes 0.

### Operation error

Error code (SD0/SD8067)	Description
2820H	The (n) points of data starting from the device specified by (d) exceed in the corresponding device.