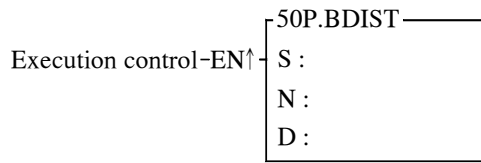


Data movement instruction

FUN50 BDIST	BYTE DISTRIBUTE	FUN50 BDIST
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S : Starting address of source register to be distributed  
 N : Number of bytes to be distributed  
 D : Registers to store the distributed data  
 S, N, D may associate with V·Z·P0~P9 index register to serve the indirect addressing application.

Range Ope- rand	HR	ROR	DR	K
	R0   R3839	R5000   R8071	D0   D4095	
S	○	○	○	
N	○	○	○	1~256
D	○	○*	○	

- When execution control "EN" =1 or "EN↑" (P instruction) changes from 0→1, it will perform the byte distribution starting from S, length by N, and then store the results into D registers.
- This instruction will not act if invalid range of length.
- When communicating with intelligent peripheral in binary data format, this instruction may be applied to do byte distribution for data transmission ◦

Example :



Description : When M2 changes from 0→1, it will perform the byte distribution starting from R1000, the length is assigned by R999, and then store the results into registers starting from R1500.  
 It is supposed R999=9, the results of distribution will store into R1500~R1508.

	S	
	High Byte	Low Byte
R1000	Byte-0	Byte-1
R1001	Byte-2	Byte-3
R1002	Byte-4	Byte-5
R1003	Byte-6	Byte-7
R1004	Byte-8	Don't care

	D	
	High Byte	Low Byte
R1500	00	Byte-0
R1501	00	Byte-1
R1502	00	Byte-2
R1503	00	Byte-3
R1504	00	Byte-4
R1505	00	Byte-5
R1506	00	Byte-6
R1507	00	Byte-7
R1508	00	Byte-8