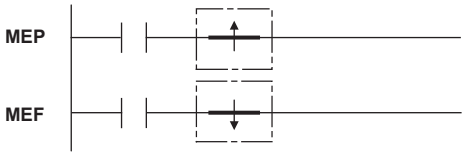
Converting the operation result into a pulse

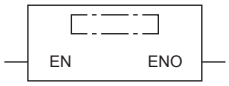
MEP, MEF

FX5S FX5UJ FX5U FX5UC

- MEP: This instruction turns ON at the rising edge of the operation result up to the MEP instruction and turns OFF in other instances.
- MEF: This instruction turns ON at the falling edge of the operation result up to the MEF instruction and turns OFF in other instances.

Ladder diagram	Structured text
	ENO:=MEP(EN); ENO:=MEF(EN);

FBD/LD



Processing details

■MEP

- This instruction turns ON (conductive state) at the rising edge (OFF to ON) of the operation result up to this instruction. This instruction turns OFF (non-conductive state) in instances other than the rising edge of the operation result up to this instruction.
- Use of this instruction makes conversion to pulse easier when multiple contacts are connected in series.

■MEF

- This instruction turns ON (conductive state) at the falling edge (ON to OFF) of the operation result up to this instruction. This instruction turns OFF (non-conductive state) in instances other than the falling edge of the operation result up to this instruction.
- Use of this instruction makes conversion to pulse easier when multiple contacts are connected in series.

Operation error

There is no operation error.

Point

- If an indexed contact is converted to pulse by the subroutine program and the FOR to NEXT instructions, etc., these instructions may not function properly.
- These instructions operate using the operation result so far. Hence, use them at the same position as the AND instruction. These instructions cannot be used at positions where the LD and OR instructions are programmed.