

RLNCF Rotate Left f (no carry)

Syntax: [*label*] RLNCF f [,d [,a]

Operands: $0 \leq f \leq 255$
 $d \in [0,1]$
 $a \in [0,1]$

Operation: $(f \langle n \rangle) \rightarrow \text{dest} \langle n+1 \rangle$,
 $(f \langle 7 \rangle) \rightarrow \text{dest} \langle 0 \rangle$

Status Affected: N, Z

0100	01da	ffff	ffff
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Description: The contents of register 'f' are rotated one bit to the left. If 'd' is 0, the result is placed in W. If 'd' is 1, the result is stored back in register 'f' (default). If 'a' is 0, the Access Bank will be selected, overriding the BSR value. If 'a' is 1, then the bank will be selected as per the BSR value (default).



Words: 1

Cycles: 1

Q Cycle Activity:

Q1	Q2	Q3	Q4
Decode	Read register 'f'	Process Data	Write to destination

Example: RLNCF REG, 1, 0

Before Instruction

REG = 1010 1011

After Instruction

REG = 0101 0111