

RRNCF Rotate Right f (no carry)

Syntax: `[label] RRNCF f[,d[,a]]`

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

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

Status Affected: N, Z

Encoding:

0100	00da	ffff	ffff
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Description: The contents of register 'f' are rotated one bit to the right. If 'd' is 0, the result is placed in W. If 'd' is 1, the result is placed 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 1: `RRNCF REG, 1, 0`

Before Instruction

REG = 1101 0111

After Instruction

REG = 1110 1011

Example 2: `RRNCF REG, 0, 0`

Before Instruction

W	=	?
REG	=	1101 0111

After Instruction

W	=	1110 1011
REG	=	1101 0111

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