RRNCF

Rotate Right f (no carry)

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

Operands: $0 \le f \le 255$

 $d \in [0,1]$ $a \in [0,1]$

Operation: $(f < n >) \rightarrow dest < n-1 >$,

 $(f<0>) \rightarrow dest<7>$

Status Affected: N, Z

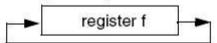
Encoding:

0100 00da ffff ffff

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	Process	Write to
	register 'f'	Data	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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