

IORWF Inclusive OR W with f

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

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

Operation: (W) .OR. (f) \rightarrow dest

Status Affected: N, Z

Encoding:	0001	00da	ffff	ffff
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Description: Inclusive OR W with register 'f'. 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' = 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: IORWF RESULT, 0, 1

Before Instruction

 RESULT = 0x13

 W = 0x91

After Instruction

 RESULT = 0x13

 W = 0x93