

IORLW

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IORLW

Inclusive OR literal with W

Syntax: `[label] IORLW k`

Operands: $0 \leq k \leq 255$

Operation: $(W) .OR. k \rightarrow W$

Status Affected: N, Z

Encoding:

0000	1001	kkkk	kkkk
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Description: The contents of W are OR'ed with the eight-bit literal 'k'. The result is placed in W.

Words: 1

Cycles: 1

Q Cycle Activity:

Q1	Q2	Q3	Q4
Decode	Read literal 'k'	Process Data	Write to W

Example: `IORLW 0x35`

Before Instruction

W = 0x9A

After Instruction

W = 0xBF

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