

XORLW

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XORLW

Exclusive OR literal with W

Syntax: [*label*] XORLW *k*

Operands: $0 \leq k \leq 255$

Operation: (W) .XOR. *k* \rightarrow W

Status Affected: N, Z

Encoding:

0000	1010	kkkk	kkkk
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Description: The contents of W are XORed with the 8-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: XORLW 0xAF

Before Instruction

W = 0xB5

After Instruction

W = 0x1A

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