## 编码:

OP(ins[31:26])	base(ins[25:21])	rt(ins[20:16])	offset(ins[15:7])	ins[6]	SWE(ins[6:0])
011111	xxxxx	xxxxx	xxxxxxxx	0	011111

格式: swe rt, offset(base)

描述: memory[GPR[base] + offset] ← GPR[rt]

The contents of the 32-bit word at the memory location specified by the aligned effective address are fetched, signextended to the GPR register length if necessary, and placed in GPR rt. The **9-bit** signed offset is added to the contents of GPR base to form the effective address.

操作: Addr = sign\_extend(offset) + GPR[base]

 $\mathsf{memory}[\mathsf{Addr}] \gets \mathsf{GPR}[\mathsf{rt}]$ 

示例: swe \$t1, 8(\$t0)

其他:

1. sign\_extend(offset) + GPR[base]必是 4 的倍数。

2. sign\_extend(offset) + GPR[base]不会越界。