



```
address = gpr[RY] + sign_extended(imm16)  
gpr[rx] = sign/zero_extend(memory[address])           (LB/LBU)  
gpr[rX] = sign/zero_extend((memory[address] << 8)  
| (memory[address+1]))           (LH/LHU)  
  
gpr[rx] = (memory[address] << 24)  
| (memory[address+1] << 16)  
| (memory[address+2] << 8)  
| (memory[address+3])           (LW)
```

