**4.4.1**

If the MemToReg wire is stuck at 0, the instruction lw will fail to operate.

**4.4.2**

If the ALUSrc wire is stuck at 0, the instruction lw, sw and other I-type instructions will fail to operate.

**4.6.1**

需要增加一个逻辑块，根据opcode操作码产生类似于R型指令的6位func码，输入给ALU控制器，以区分add/and/or等立即数操作。

**4.6.2**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RegDst | ALUSrc | MemtoReg | RegWrite | MemRead | MemWrite | Branch | ALUop1 | ALUop0 |
| 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |