

Instruction Breakdown

- Load Immediate (li) Instructions: These instructions test the ability to load a constant value into a register. Incorrect implementation may load an incorrect value or affect the wrong register.
- Arithmetic Operations (add, sub, mul, div): Each operation tests arithmetic functionality. Incorrect implementations could result in wrong calculations, impacting subsequent operations and outputs.
- Conditional Branch (bgt): This instruction tests the branching capability based on a condition. A failure here could either skip necessary steps or take unintended paths in the program flow.
- Print (pr): This verifies the ability to output register values. Incorrect behavior might include printing the wrong value or not printing at all.