bgezal.md 5/20/2020

Assignment (Implement bgezal)

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changed parts

```
mit 770bfc791111e9cfdd404045a8bfa67cbef09e62 (HEAD -> master, origin/master)
Author: hamin <ggamini7@gmail.com>
      Wed May 20 00:28:31 2020 +0900
    upload bgezal
diff --git a/.DS_Store b/.DS_Store
new file mode 100644
index 0000000..85eb731
Binary files /dev/null and b/.DS_Store differ diff --git a/simulator/simpleMIPS.js b/simulator/simpleMIPS.js
index dd4a7b3..c901d7c 100644
 -- a/simulator/simpleMIPS.js
+++ b/simulator/simpleMIPS.js
'bgezal': ['0000 01ss sss1 0001 iiii iiii iiii iiii','RI','S'], // if $s>=0 ra = pc+4 and pc=pc+sign_ext(imm<<2)
//'bgezal': ['',''], //
                      // misc
                             'nop'
@@ -523,6 +523,7 @@ var SimpleMIPS = (function (undefined) {
                              imms = (imm & 0x8000) ? (imm | 0xffff0000) : imm; // sign-extended imm
                      this.cycle++;
                      // opcode is first 6 bit.
                      switch (opcode) {
                              case 0:
                                     switch (func) {
@@ -641,6 +642,13 @@ var SimpleMIPS = (function (undefined) {
                                                            hasDelaySlot = true;
                                                    break;
                                             case 17: // bgezal rs, offset
    if ((r[rs] | 0) >= 0) {
        r[31] = nextPC+4;
                                                            nextPC = this.pc + (imms << 2);</pre>
                                                            hasDelaySlot = true;
                                             default:
                                                    exception |= INVALID_INST;
@@ -1433,6 +1441,13 @@ var SimpleMIPS = (function (undefined) {
                                                    branchCondSrcA = rs;
branchCond = BRANCH_COND.GTE;
                                                    break:
                                             case 17: // bgezal rs, offset
                                                    prepareBranch = true;
                                                    branchTargetOffset = imms << 2;</pre>
                                                    branchCondSrcA = rs;
                                                    branchCond = BRANCH_COND.GTE;
                                                    this.registerFile[31] = this.pc+4;
                                             default:
                                                    exception |= INVALID_INST;
ommit 1fb0ade0b71f6e10b5455cb7829e931285e93101
```

example bgezal is used.

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