bgezal I-type opcode=35 bgezal $rs, Label

jmadd R-type funct=32 jmadd $rs, $rd

balrz R-type funct=22 balrz $rs, $rd

ori I-type opcode=13 ori $rt, $rs, Label

jpc I-type opcode=30 jpc Target

srlv R-type func=6 srlv $rd, $rt, $rs

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ins | OPCODE | RegDest | AluOP | JumpDest | Bgezal | WriteData | MemRead | AluSrc | RegWrite |
| bgezal | 100011 | 10 | 001 | 00 | 1 | 11 | 0 | 0 | 1 |
| jmadd | 100000 | 10 | 001 | 01 | 0 | 10 | 1 | 0 | 1 |
| balrz  z=1 | 010110 | 01 | 111 | 11 | 0 | 01 | 0 | 0 | 1 |
| balrz  z=0 | 010110 | 00 | 111 | 00 | 0 | 00 | 0 | 0 | 0 |
| ori | 001101 | 00 | 000 | 00 | 0 | 00 | 0 | 1 | 1 |
| jpc | 011110 | 00 | 000 | 10 | 0 | 11 | 0 | 0 | 1 |
| srlv | 000110 | 01 | 010 | 00 | 0 | 0 | 0 | 0 | 1 |

|  |  |
| --- | --- |
| INS | ALUOP |
| EMPTY | 111 |
| OR | 000 |
| ADD | 001 |
| SHIFT | 010 |
|  |  |

Registers

$1=1 Bgezal bakıcağı yer

$2=? Jmap $1+$2 zıplıyor

$3=? balrz zıplayacağı yer

1-bgezal $1, 1 jumps to 3

1000 1100 0010 0000 0000 0000 0000 0011 - 8C200001 - lw $0,1($1)

0000 0100 0011 0001 0000 0000 0000 0001 - 04310001 - bgezal $1,0x80001008

2-jmadd $1, $2

10000000001000100000000000000000 - 80220000 - lb $2,0($1)

3-balrz $rs, $rd

4- I-type opcode=13 ori $rt, $rs, Label

5- I-type opcode=30 jpc Target

6- R-type func=6 srlv $rd, $rt, $rs