暂停

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| 类型 | 测试类型 | 前序指令 | 冲突位置 | 冲突寄存器 | 测试序列 |
| R型 | LD-E-RS | lw | D | RS | lw $4,0($5)  addu $4,$4,$5 |
|  | LD-E-RT | lw | D | RT | lw $4,0($5)  addu $4,$5,$4 |
| I型 | LD-E-RS | lw | D | RS | lw $4,0($5)  ori $5,$4,0xffff |
| LD型 | LD-E-RS | lw | D | RS | lw $4,0($5)  lw $3,4($4) |
| ST型 | LD-E-RS | lw | D | RS | lw $4,0($5)  sw $3,4($4) |
| JR | R-E-RS | addu | D | RS | addu $4,$4,$5  jr $4 |
|  | I-E-RS | ori | D | RS | ori $4,0xffff  jr $4 |
|  | LD-E-RS | lw | D | RS | lw $4,0($5)  jr $4 |
|  | LD-M-RS | lw | D | RS | lw $4,0($5)  nop  jr $4 |
| B型 | R-E-RS | addu | D | RS | addu $4,$4,$5  beq $4,$5,loop |
|  | I-E-RS | ori | D | RS | ori $4,0xffff  beq $4,$5,loop |
|  | LD-E-RS | lw | D | RS | lw $4,0($5)  beq $4,$5,loop |
|  | LD-M-RS | lw | D | RS | lw $4,0($5)  nop  beq $4,$5,loop |
|  | R-E-RT | addu | D | RT | addu $4,$4,$5  beq $5,$4,loop |
|  | I-E-RT | ori | D | RT | ori $4,0xffff  beq $5,$4,loop |
|  | LD-E-RT | lw | D | RT | lw $4,0($5)  beq $5,$4,loop |
|  | LD-M-RT | lw | D | RT | lw $4,0($5)  nop  beq $5,$4,loop |

转发

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| 类型 | 测试类型 | 前序指令 | 冲突位置 | 冲突寄存器 | 测试序列 |
| R型  (以addu为例) | R-W-RS | addu | D | RS | addu $4,$4,$5  nop  nop  addu $4,$4,$5 |
|  | I-W-RS | ori | D | RS | ori $4,$5,0xffff  nop  nop  addu $4,$4,$5 |
|  | LD-W-RS | lw | D | RS | lw $4,0($5)  nop  nop  addu $4,$4,$5 |
|  | JAL-W-RS | jal | D | RS | jal loop  nop  nop  addu $1,$31,$1 |
|  | R-W-RT | addu | D | RT | addu $4,$4,$5  nop  nop  addu $4, $5,$4 |
|  | I-W-RT | ori | D | RT | ori $4,$5,0xffff  nop  nop  addu $4,$5,$4 |
|  | LD-W-RT | lw | D | RT | lw $4,0($5)  nop  nop  addu $4,$5,$4 |
|  | JAL-W-RT | jal | D | RT | jal loop  nop  nop  addu $1,$1,$31 |
|  | R-W-RS | addu | E | RS | addu $4,$4,$5  nop  addu $4,$4,$5  nop |
|  | I-W-RS | ori | E | RS | ori $4,$5,0xffff  nop  addu $4,$4,$5  nop |
|  | LD-W-RS | lw | E | RS | lw $4,0($5)  nop  addu $4,$4,$5  nop |
|  | JAL-W-RS | jal | E | RS | jal loop  nop  addu $1,$31,$1  nop |
|  | R-M-RS | addu | E | RS | addu $4,$4,$5  addu $4,$4,$5  nop |
|  | I-M-RS | ori | E | RS | ori $4,$5,0xffff  addu $4,$4,$5  nop |
|  | JAL-M-RS | jal | E | RS | jal loop  addu $1,$31,$1  nop |
|  | R-W-RT | addu | E | RT | addu $4,$4,$5  nop  addu $4, $5,$4  nop |
|  | I-W-RT | ori | E | RT | ori $4,$5,0xffff  nop  addu $4,$5,$4  nop |
|  | LD-W-RT | lw | E | RT | lw $4,0($5)  nop  addu $4,$5,$4  nop |
|  | JAL-W-RT | jal | E | RT | jal loop  nop  addu $1,$1,$31  nop |
|  | R-M-RT | addu | E | RT | addu $4,$4,$5  addu $4,$5,$4  nop |
|  | I-M-RT | ori | E | RT | ori $4,$5,0xffff  addu $4,$5,$4  nop |
|  | JAL-M-RT | jal | E | RT | jal loop  addu $1,$1,$31  nop |
| I型  (以ori为例) | R-W-RS | addu | D | RS | addu $4,$4,$5  nop  nop  ori $4,$4,0xffff |
|  | I-W-RS | ori | D | RS | ori $4,$5,0xffff  nop  nop  ori $4,$4,0x0000 |
|  | LD-W-RS | lw | D | RS | lw $4,0($5)  nop  nop  ori $4,$4,0xffff |
|  | JAL-W-RS | jal | D | RS | jal loop  nop  nop  ori $1,$31,0xffff |
|  | R-W-RS | addu | E | RS | addu $4,$4,$5  nop  ori $4,$4,0xffff  nop |
|  | I-W-RS | ori | E | RS | ori $4,$5,0xffff  nop  ori $4,$4,0x0f0f  nop |
|  | LD-W-RS | lw | E | RS | lw $4,0($5)  nop  ori $4,$4,0xffff  nop |
|  | JAL-W-RS | jal | E | RS | jal loop  nop  ori $1,$31,0xffff  nop |
|  | R-M-RS | addu | E | RS | addu $4,$4,$5  ori $4,$4,0xffff  nop |
|  | I-M-RS | ori | E | RS | ori $4,$5,0xffff  ori $4,$4,0xf0f0  nop |
|  | JAL-M-RS | jal | E | RS | jal loop  ori $1,$31,0xfff0  nop |
| LD型 | R-W-RS | addu | D | RS | addu $4,$4,$5  nop  nop  lw $5,0($4) |
|  | I-W-RS | ori | D | RS | ori $4,$5,0xffff  nop  nop  lw $5,0($4) |
|  | LD-W-RS | lw | D | RS | lw $4,0($5)  nop  nop  lw $5,0($4) |
|  | JAL-W-RS | jal | D | RS | jal loop  nop  nop  lw $5,0($31) |
|  | R-W-RS | addu | E | RS | addu $4,$4,$5  nop  lw $5,0($4)  nop |
|  | I-W-RS | ori | E | RS | ori $4,$5,0xffff  nop  lw $5,0($4)  nop |
|  | LD-W-RS | lw | E | RS | lw $4,0($5)  nop  lw $5,0($4)  nop |
|  | JAL-W-RS | jal | E | RS | jal loop  nop  lw $5,0($31)  nop |
|  | R-M-RS | addu | E | RS | addu $4,$4,$5  lw $5,0($4)  nop |
|  | I-M-RS | ori | E | RS | ori $4,$5,0xffff  lw $5,0($4)  nop |
|  | JAL-M-RS | jal | E | RS | jal loop  lw $5,0($31)  nop |
| ST型 | R-W-RS | addu | D | RS | addu $4,$4,$5  nop  nop  sw $5,0($4) |
|  | I-W-RS | ori | D | RS | ori $4,$5,0xffff  nop  nop  sw $5,0($4) |
|  | LD-W-RS | lw | D | RS | lw $4,0($5)  nop  nop  sw $5,0($4) |
|  | JAL-W-RS | jal | D | RS | jal loop  nop  nop  sw $5,0($31) |
|  | R-W-RT | addu | D | RT | addu $4,$4,$5  nop  nop  sw $4,0($5) |
|  | I-W-RT | ori | D | RT | ori $4,$5,0xffff  nop  nop  sw $4,0($5) |
|  | LD-W-RT | lw | D | RT | lw $4,0($5)  nop  nop  sw $4,0($6) |
|  | JAL-W-RT | jal | D | RT | jal loop  nop  nop  sw $31,0($5) |
|  | R-M-RS | addu | E | RS | addu $4,$4,$5  sw $5,0($4)  nop |
|  | I-M-RS | ori | E | RS | ori $4,$4,$5  sw $5,0($4)  nop |
|  | JAL-M-RS | jal | E | RS | jal loop  sw $5,0($31)  nop |
|  | R-W-RS | addu | E | RS | addu $4,$4,$5  nop  sw $5,0($4)  nop |
|  | I-W-RS | ori | E | RS | ori $4,$5,0xffff  nop  sw $5,0($4)  nop |
|  | LD-W-RS | lw | E | RS | lw $4,0($5)  nop  sw $5,0($4)  nop |
|  | JAL-W-RS | jal | E | RS | jal loop  nop  sw $5,0($31)  nop |
|  | R-W-RT | addu | E | RT | addu $4,$4,$5  nop  sw $4,0($5)  nop |
|  | I-W-RT | ori | E | RT | ori $4,$5,0xffff  nop  sw $4,0($5)  nop |
|  | LD-W-RT | lw | E | RT | lw $4,0($5)  nop  sw $4,0($6)  nop |
|  | JAL-W-RT | jal | E | RT | jal loop  nop  sw $31,0($5)  nop |
|  | R-W-RT | addu | M | RT | addu $4,$4,$5  sw $4,0($5)  nop  nop |
|  | I-W-RT | ori | M | RT | ori $4,$5,0xffff  sw $4,0($5)  nop  nop |
|  | LD-W-RT | lw | M | RT | lw $4,0($5)  sw $4,0($6)  nop  nop |
|  | JAL-W-RT | jal | M | RT | jal loop  sw $31,0($5)  nop  nop |
| JR | R-W-RS | addu | D | RS | addu $4,$4,$5  nop  nop  jr $4 |
|  | I-W-RS | ori | D | RS | ori $4,$5,0xffff  nop  nop  jr $4 |
|  | LD-W-RS | lw | D | RS | lw $4,0($5)  nop  nop  jr $4 |
|  | JAL-W-RS | jal | D | RS | jal loop  nop  nop  jr $31 |
|  | R-M-RS | addu | D | RS | addu $4,$4,$5  nop  jr $4 |
|  | I-M-RS | ori | D | RS | ori $4,$5,0xffff  nop  jr $4 |
|  | JAL-M-RS | jal | D | RS | jal loop  nop  jr $31 |
|  | JAL-E-RS | jal | D | RS | jal loop  jr $31 |
| B型 | R-W-RS | addu | D | RS | addu $4,$4,$5  nop  nop  beq $4,$3,loop |
|  | I-W-RS | ori | D | RS | ori $4,$5,0xffff  nop  nop  beq $4,$3,loop |
|  | LD-W-RS | lw | D | RS | lw $4,0($5)  nop  nop  beq $4,$3,loop |
|  | JAL-W-RS | jal | D | RS | jal loop  nop  nop  beq $31,$3,loop |
|  | R-M-RS | addu | D | RS | addu $4,$4,$5  nop  beq $4,$3,loop |
|  | I-M-RS | ori | D | RS | ori $4,$5,0xffff  nop  beq $4,$3,loop |
|  | JAL-M-RS | jal | D | RS | jal loop  nop  beq $31,$3,loop |
|  | JAL-E-RS | jal | D | RS | jal loop  beq $31,$3,loop |
|  | R-W-RT | addu | D | RT | addu $4,$4,$5  nop  nop  beq $3,$4,loop |
|  | I-W-RT | ori | D | RT | ori $4,$5,0xffff  nop  nop  beq $3,$4,loop |
|  | LD-W-RT | lw | D | RT | lw $4,0($5)  nop  nop  beq $3,$4,loop |
|  | JAL-W-RT | jal | D | RT | jal loop  nop  nop  beq $3,$31,loop |
|  | R-M-RT | addu | D | RT | addu $4,$4,$5  nop  beq $3,$4,loop |
|  | I-M-RT | ori | D | RT | ori $4,$5,0xffff  nop  beq $3,$4,loop |
|  | JAL-M-RT | jal | D | RT | jal loop  nop  beq $3,$31,loop |
|  | JAL-E-RT | jal | D | RT | jal loop  beq $3,$31,loop |