Asign: a = b

Begin

Load b R0

Write R0 a

End

INT\_LITERAL: 1

Begin

Li R0 1

Write R0 a\_

End

Add: a + b

Begin

Load a R0

Load b R1

Add R2 R0 R1

Write R2 a\_

End

Subs: a - b

Begin

Load a R0

Load b R1

Subs R2 R0 R1

Write R2 a\_

End

Mult: a \* b

Begin

Load a R0

Load b R1

Mult R0 R1

Mflo t0

Write t0 a\_

End

Division: a / b

Begin

Load a R0

Load b R1

Div R0 R1

Mflo t0

Write t0 a\_

End

Mod: a % b

Begin

Load a R0

Load b R1

Div R0 R1

Mfhi t0

Write t0 a\_

End

Greater: a > b

Begin

Load a R0

Load b R1

Slt R2 R1 R0

Write R2 a\_

End

Less: a < b

Begin

Load a R0

Load b R1

Slt R2 R0 R1

Write R2 a\_

End

LessEqual: a <= b

Begin

Load a R0

Load b R1

Sle R2 R0 R1

Write R2 a\_

End

GreaterEqual: a <= b

Begin

Load a R0

Load b R1

Sge R2 R0 R1

Write R2 a\_

End

NotEqual: a <= b

Begin

Load a R0

Load b R1

Sne R2 R0 R1

Write R2 a\_

End

Equal: a == b

Begin

Load a R0

Load b R1

Seq R2 R0 R1

Write R2 a\_

End

And: a && b

Begin

Load a R0

Load b R1

and R2 R0 R1

Write R2 a\_

End

Or: a || b

Begin

Load a R0

Load b R1

or R2 R0 R1

Write R2 a\_

End

METHOD\_CALL: suma(a,b)

Begin

Load a a0

Load b a1

Move PC RA

J suma

End

METHOD\_DECL: suma(a,b)

Begin

End