



Stop

main

```
#pragma JessieFloatModel(strict)
/*@ requires (((0x1p-1000 ≤ R1) ∧ (R1 ≤ 0x1p1000)) ∧
              ((0x1p-1000 ≤ R2) ∧ (R2 ≤ 0x1p1000)));
    behavior default:
        ensures (\result > 0);
    */

double R_ges(double R1 , double R2 )
{
    double __retres ;
    __retres = 1.0 / (1.0 / R1 + 1.0 / R2);
    return (__retres);
}

int main(void)
{
    double R ;
    int __retres ;
    R = R_ges((double )100,(double )200);
    __retres = 0;
    return (__retres);
}
```

```

1  #pragma JessieFloatModel(strict)
2
3      /*@ requires 0x1p-1000 <= R1 <= 0x1p1000 &&
4              0x1p-1000 <= R2 <= 0x1p1000;
5              ensures \result > 0;
6      */
7      double R_ges(double R1, double R2) {
8          return 1.0/( 1.0/R1 + 1.0/R2 );
9      }
10
11     int main(void) {
12         double R;
13         R = R_ges(100, 200);
14         return 0;
15     }
16

```

## ▼ Metrics

```
sloc:    5      calls:    1
if:      0      loops:    0
goto:    0      assigns:  2
Ptr:     0
Fct:     2      Proto:    0
```

► Occurrence

Function: main  
Statement: 2 (line 13 in f2.c)  
Variable R has type "double".  
It is a local variable.  
It is referenced and its address is not taken.  
Before statement:  
 $R \in \text{UNINITIALIZED}$   
At next statement:  
 $R \in 66.6666666667$