



Source file Occurrence Slicing

- f2.c
  - R\_ges
  - 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);
}
```

```
f2.c
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
```

▶ Slicing  
 ▶ Impact  
 ▶ WP (very experimental)  
 ▼ Metrics

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

Information Messages Standard output Standard error

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 ∈ UNINITIALIZED  
 At next statement:  
 R ∈ 66.6666666667