



Open

part3.t
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```
function int g(int c,d) {  
    var int b;  
    b=9;  
    return 0;  
}
```

```
function void main()  
{  
    var int a;  
}
```

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```
g:  
    BeginFunc  
    t0 = 9  
    b = t0  
    Return 0  
    EndFunc
```

```
main:  
    BeginFunc  
    EndFunc
```

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Open



```
function int g(int c,d) {  
    var int b;  
    b=9;  
    b=g(a,6);  
    return 0;  
}
```

```
function void main()  
{  
    var int a;  
}
```

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```
g:  
    BeginFunc  
    t0 = 9  
    b = t0  
    t1 = 6  
    PushParam t1  
    PushParam a  
    t2 = Lcall g  
    PopParam 8  
    Return 0  
    EndFunc
```

```
main:  
    BeginFunc  
    EndFunc
```

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Perl Tab Width: 8 Ln 4, Col 16 INS



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*part3.
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```
function int g(int c,d) {  
    var int b;  
    b=9;  
    if(c < 9)  
        b=g(a,6);  
    return 0;  
}
```

```
function void main()  
{  
    var int a;  
}
```

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```
g:  
    BeginFunc  
    t0 = 9  
    b = t0  
    t1 = 9  
    t2 = c < t1  
    ifz t2 goto L1  
    t3 = 6  
    PushParam t3  
    PushParam a  
    t4 = Lcall g  
    PopParam 8  
  
L1 :  
    Return 0  
    EndFunc
```

main:

```
    BeginFunc  
    EndFunc
```

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Open



```
function int g(int c,d) {  
    var int b;  
    b=9;  
    if(c < 9){  
        b=g(a,6);  
    }  
    else{  
        b= (a + 5 ) - (d + d );  
    }  
    return 0;  
}
```

```
function void main()  
{  
    var int a;  
}
```

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num of scopes:{6}

g:

```
BeginFunc  
t0 = 9  
b = t0  
t1 = 9  
t2 = c < t1  
ifz t2 goto L1  
t3 = 6  
PushParam t3  
PushParam a  
t4 = Lcall g  
PopParam 8  
goto L2
```

L1 :

```
t5 = 5  
t6 = a + t5  
t7 = d + d  
t8 = t6 - t7  
b = t8
```

L2 :

```
Return 0  
EndFunc
```

main:

```
BeginFunc  
EndFunc
```

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Open



```
function int g(int c,d;char f) {  
    var int b;  
    b=9;  
    while( (a > 4) && (b != 6) )  
    {  
        b=g(2,f);  
    }  
  
    return 0;  
}
```

```
function void main()  
{  
    var int a;  
}
```

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```
scope id: BLOCK scopeNum: 3 scopLevel: 3 name BLOCK  
scope id: WHILE scopeNum: 2 scopLevel: 2 name WHILE  
scope id: FUNC scopeNum: 1 scopLevel: 1 name g  
num of scopes:{4}
```

```
g:  
    BeginFunc  
    t0 = 9  
    b = t0  
  
L1 :  
    t1 = 4  
    t2 = a > t1  
    t3 = 6  
    t4 = b != t3  
    ifz t4 goto L2  
    t5 = 2  
    PushParam f  
    PushParam t5  
    t6 = Lcall g  
    PopParam 5  
    goto L1
```

```
L2 :  
    Return 0  
    EndFunc
```

```
main:  
    BeginFunc  
    EndFunc
```

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```
function int g(int c,d;char f) {  
    var int b;  
    b=9;  
  
    do  
    {  
        b=g(2,f);  
    }  
    while( a >= b );  
    return 0;  
}  
  
function void main()  
{  
    var int a;  
}
```

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```
g:  
    BeginFunc  
    t0 = 9  
    b = t0  
  
L1 :  
    ifz t0 goto L2  
    t1 = 2  
    PushParam f  
    PushParam t1  
    t2 = Lcall g  
    PopParam 5  
    goto L1  
  
L2 :  
    Return 0  
    EndFunc  
  
main:  
    BeginFunc  
    EndFunc  
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```

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