Reaching Defs Example 1

Monday, January 15, 2024   1:43 AM

```
let x:int = 4, y:int = 6,
    z:int = input();

if z { x = 2; }
else { x = 3; y = 3; }
z := x + y;

return z;
```

```
bb1:  x = $copy 4
      y = $copy 6
      z = $call input()
      tmp = $cmp neq z 0
      $branch tmp if_true if_false

if_true:
      x = $copy 2
      $jump if_end

if_false:
      x = $copy 3
      y = $copy 3
      $jump if_end

if_end:
      z = $arith add x y
      $ret z
```