

```
/*@ requires i >= 0;
   @ ensures \result == 0;
   @*/
int f(int i) {
    /*@ loop invariant i >= 0;
       @ loop assigns i;
       @ loop variant i;
       @*/
    while (i > 0)
        i--;
    return i;
}
```

precondition

postcondition

built-in construct
that refers to return
value

loop invariant

frame condition