```
/* Returns an integer in the range [0, n].
    * Uses\ rand(), and so is affected-by/affects the same see | d.
  int randint(int n) {
     if ((n-1) = RANDMAX) \{
       return rand();
     } else {
9
       // Supporting larger values for n would requires an even more
       // elaborate implementation that combines multiple calls to rand()
       assert (n \le RANDMAX)
       // Chop off all of the values that would cause skew...
13
       int end = RANDMAX / n; // truncate skew
       assert (end > 0);
       end *= n;
17
       // ... and ignore results from rand() that fall above |that limit.
       // (Worst case the loop condition should succeed 50% of the time,
       // so we can expect to bail out of this loop pretty quickly.)
21
       int r;
       while ((r = rand()) >= end);
       \mathbf{return} \ \mathbf{r} \ \% \ \mathbf{n} \, ;
25
     }
```