```
program to reach the ERROR?
void test(int x, int y) {
                                      Symbolic store
                                                            Path constraint
  z = twice(y);
  if (x == z) {
                                                              x_0 = 2 * y_0
                                          \chi \mapsto \chi_0
     if (x > y + 10)
                                                              x_0 > y_0 + 10
                                          y \mapsto y_0
       ERROR:
                                        z \mapsto 2 * y_0
                                      We can now ask the SMT solver for a satisfying
int main() {
                                      assignment to the path constraint.
  x = read();
  y = read();
                                      For instance, x_0 = 40, y_0 = 20 is a satisfying
  test(x,y);
                                      assignment. That is, running the program with
                                      these inputs triggers the error.
```

Find an input that causes the

int twice(int v) {

return 2 * v;