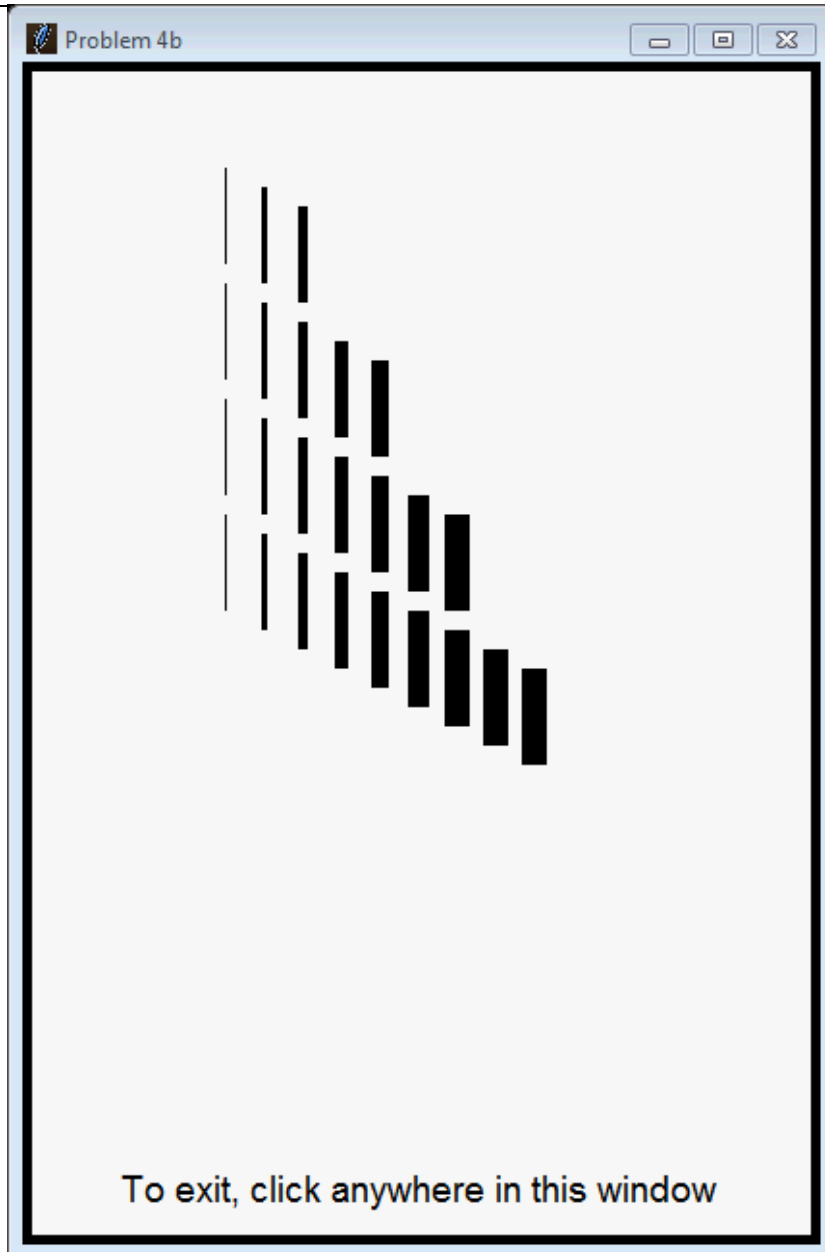


For the sample run below and to the left:

- $m$  (the number of SETS of lines) is **4** and
- $p$  (the starting point for the first set of lines) is at **(100, 50)**.

The *returned value* should be **158**.



For the sample run below and to the right:

- $m$  (the number of SETS of lines) is **7** and
- $p$  (the starting point for the first set of lines) is at **(30, 30)**.

The *returned value* should be **539**

