

4. We can more or less eyeball the difference between the two solutions above, but what about a computer? Say instead of an image the computer had a series of characters representing each row, with **F** for the filled-in squares and **E** for the empty squares. The examples above would be:

```
E E F E E F F F E E E F F E E F E
E E F E E F E F E F E F F E E F E
```

Now it is more difficult to see if the solutions are correct or not. Define an series of steps that a computer could follow for determining whether or not this row is correct, given a target list of numbers (“1 3 2 1” in this case). Try to be as specific as possible about each step.

5. (Optional) Define an algorithm for solving nonograms (assuming a unique solution exists).