🔺 Electric Grid

The skies are filled with dark, menacing clouds whose bolts of electricity burn the ground black. We found some fancy-looking lightning reflectors in storage, but nobody really know how they work: instruction manuals don't help if we can't read them. Can you run some simulations and let us know what else might be useful? Make it quick, while we can still see the situation – the power will be the first to go!

Here's what we've discovered so far...

- Each cell may contain one of two diagonal reflectors.
- Lightning can enter the grid from any side; bolts travel in straight lines and bend at right angles when they hit a reflector. They blacken empty cells that they pass through.
- Numbers on the side indicate how many empty cells a bolt entering from that direction will pass through before exiting the city grid. A cell may be counted more than once.

We've managed to work out this one; good luck on the rest.



