Assumptions

* Assumed that the grid is a square.
* Assume that the exchange can be on the same coordinate as the home address.
* Assume that the exchanges cannot have the same coordinates
* Used by the CSR (Customer service representative)
* Distance is measured by horizontal/vertical units not Pythagorean distance
  + Simpler
  + Cables in the real world don’t go direct
* Assume that no UI is required