## P Epilogue: Distribution

The website contains bits of four popular websites: Amazon, Facebook, Google, and Twitter. For each of those websites, form a $5 \times 2$ grid of ones and zeroes based on whether each rectangle contains a bit of that website. This results in Amazon:

| 0 | 1 |
| :--- | :--- |
| 0 | 0 |
| 1 | 1 |
| 0 | 0 |
| 1 | 1 |

Facebook:

| 0 | 0 |
| :--- | :--- |
| 1 | 0 |
| 1 | 0 |
| 0 | 0 |
| 1 | 1 |

Google:

| 0 | 1 |
| :--- | :--- |
| 0 | 1 |
| 0 | 0 |
| 0 | 0 |
| 1 | 0 |

Twitter:

| 0 | 0 |
| :--- | :--- |
| 0 | 1 |
| 0 | 0 |
| 0 | 1 |
| 1 | 0 |

For each of these, the first column forms a binary number indicating the row for an order, and the second column forms a binary number indicating the column for an order. The resulting order coordinates are $(5,21),(13,1),(1,24),(1,10)$

Mark these coordinates on your map.

The shortest route on the map is marked in red:


Take the length of each segment of the route and convert it to a letter. For example, the first three segments have lengths $6,12,25$, which converts to $F, L, Y$. Doing this for the entire route results in this message: FLYAPLANEOVERALLCABIN

In other words, find the shortest path an airplane would take. That path is in red below:


Again, take the lengths of each segment, which this time requires the Pythagorean Theorem. The lengths are $13,15,14,5,25$, which converts to the final answer
MONEY

