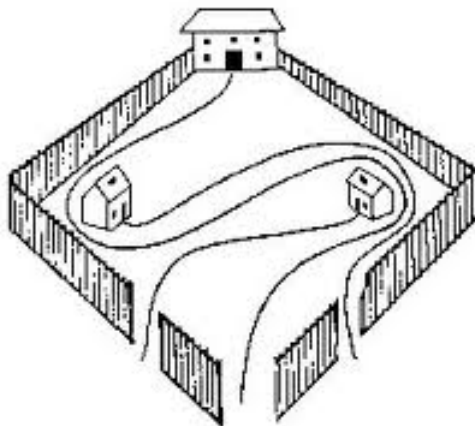# Problem of the Week
Solution Seven

The owner of the skyscraper at the top built a fenced-in path leading from his door to the blue exit at the bottom. The owners of the hut on the left built a fenced-in path leading to the yellow exit at the right. Then the owners of the house on the right built a fenced-in path leading to the red exit on the left. Incredibly, they were able to built these paths in such a way that no two of them crossed. **Your problem is to determine how that is possible.**

SOLUTION: This is how it is done:

Notice that if you look carefully at the original diagram, the base of the skyscraper is right up against its two walls, meaning it is not allowed for a path to go behind it. However, there is clearly space between the walls and the bases of the other two structures, meaning it is possible to go behind them.