READ ME:

To provide different color sets and maps to my program, assert two facts:

```
1. color(["red", "blue", ..., "green"])
-a list of colors
```

2. graph([[a,b,c],[b,a],[c,a]])

-a list of list where the head of each sub list is a vertex, and the tail contains the vertices adjacent to the head

For convenience, the example graph is already hardcoded into my program as a fact. To try different graphs with different colors sets, delete the graph(). and color(). fact.

Below is a screen shot of my program executing, note the long execution time.



Notes:

-The complex method to obtain edges was to ensure that there were no two identical edges that were just the reverse of each other (i.e. [a,b] and [b,c]), as this increased the run time by a massive amount