Homework 3: Viterbi Algorithm

Practice/Real-Life Applications of Computational Algorithms, Spring 2021

Execution

```
1  make
2  ./viterbi [input file] [output file]
```

Implementation

- Since the weather is a markov model, we can use Viterbi algorithm.
- To avoid floating-point precision error of multiplication, I use `log()` to calculate with addition and maximum.
- For backtracking, I record the transition state of each state.