CMPE/CISC-365
Fall 2019
Week 2 Lab Problem: Connecting Flights

Flight Information Input:

The data sets for your assignment are linked from the course page, just below the link that led to this document. The test data set is in the file named **2019_Lab_2_flights_test_data.txt** and the real data set is in the file named **2019_Lab_2_flights_real_data.txt**

The format of each file is:

first line: a single integer n, giving the number of cities on the map.

subsequent lines: each subsequent line contains 4 integers, separated by tabs. The 4 integers represent the details of a scheduled flight, in this order:

departure city
arrival city
departure time
arrival time

The cities are identified by the integers starting at 0

All times are based on a universal clock.

Target Cities Input:

The specific cities A and B (A is the "start city" and B is the "destination city") can be read from a file, entered at run-time by the user, or hard-coded into your program.

Output:

Your output should look something like this (these numbers are just for demonstration purposes – your answer will be different):

```
Optimal route from 16 to 23

Fly from 16 to 83
Fly from 83 to 17
Fly from 17 to 18
Fly from 18 to 31
Fly from 31 to 23

Arrive at 23 at time 27
```