



The world is now a fundamentally different place.

Advancements made in the field of quantum computing made decryption a trivial problem. Without any proper encryption techniques yet discovered, the world is forced to resort to other, at least for now, more old-fashioned ways of transfering critical data from point A to point B.

You're hired by the middle-eastern security magnate **So-Loh Mid** to develop such a system of data passing as to ensure complete security and data integrity.





- > Find an efficient and fail-safe way to transfer data between points
- > The internet is not an option anymore as encryptions are not safe
- You'll have to find another more... physical way to transfer data!
- You'll be assisted by So-Loh Mid's Russian CIO, Kerry Kotl





## **Kerry Kotl:**

Let's make one thing clear. I don't give you mana until you fix issue. Here, look over these flight charts, see what you can learn from them. I won't tell you my plan until you can at least prove to me you're up to the task.

- **Task for Level 1:** Find the boundaries of the
- map, maximum altitude and time span





	Input	Output
Format	N timestamp,lat,long,altitude (repeats N times)	minTimestamp maxTimestamp minLat maxLat minLong maxLong maxAltitude  Self explanatory. Find the minimum and the maximum for each type of value, except for the altitude where we already know the minimum is 0 (generally, but the slice of data you see might not have it). Float values are compared with a maximum allowed error of 10 <sup>-5</sup>
Types	N (int) Number of flight entries that follow timestamp (int) Amount of seconds since a fixed point in time lat (float) North latitude of the coordinate. In degrees long (float) East longitude of the coordinate. In degrees altitude (float) Meters above the sea level	minTimestamp (int) maxTimestamp (int) minLat (float) maxLat (float) minLong (float) maxLong (float) maxAltitude (float)
Example	5 136932,48.297,16.503,1379 144068,45.262,39.702,1866 212782,41.287,2.089,0 370277,43.959,21.427,11582 578963,51.531,19.923,10058	136932 578963 41.287 51.531 2.089 39.702 11582

