## CSCI406 Dynamic Programming Group Project

Contributors:

2. To develop an optimal solution to this problem, a good approach is to realize that at any given step, the optimal cost is equal to the cost of doing operations in the present city plus the cost of relocating to this city from any other city. With this information in mind, we can solve it through the following recursive relation:

|  |  |
| --- | --- |
|  | The number of months up to where the current optimal path is being calculated, including , a month previous to the first month in any given dataset |
|  | The number of cities in the dataset, 0 indexed |
|  | The opt\_path function, which takes an arbitrary city and a month |
|  | The cost of operating at city during the month of |
|  | The cost of relocating from city to city |

Basis Step:

Recursive Step: