UML

Project 3

O City Weight

private:

| City Weight: double

| Oublic:
| (CityWeight()
| CityWeight(double cityWeight)
| getCityWeight(): double
| setCityWeight(double cityWeight): Void

C) Srute Force

private:

optimal: double

cw [20][20]: City Weight\*

clile: std:: quew < nt?

public:

(Brate Force (City Weight\* cw C20][20])

fuctorial(int num): int

per mutation (int n, int arr[7, int size): Void

(optimal Check (int arr[7, int size): void

get Most Optimal Time(): double

get Most Optimal Rowte(): std:: queue < int-

(C) File Reader

private:

public:

pub

Mutation Remarkered

private:
(int rows)
int cols)
int towns;
int generations)
int size;
double percentage Of Mutations;
double optimal One;
duble optimal Two;
std: queue cint = elit One
std: queue cint = elit Two
City Weight\* cw (207[20]

public:

Mutation Remaskered (int tours, int generations, double percentage Of Matation, int size, (ity Veight tem C207(207))

Tours (int arres): void

optimal Check Flike One (int arr []);

optimal Check [like Two (int arr []);

optimal Check (int arr []): double

optimal Check Flik One (int arr []);
optimal Check Flik Two (int arr []);
optimal Check (int arr []);
optimal Check (int arr []);
double
Mutate (!: void

Generations (int arr []): void

Random Num (!:int
get Flik Two Weight(): double
get Flik Two Weight(): double