Class AdjacentMatrix - ROWS:int const - COLUMNS:int const - matrix:double** + Adjacency() + Adjacency()
+ initializeArray(ifstream:ifstream*):void
+ returnTravelTime(fromCity:int, toCity:int) double
+ printAll():void
+ getRows():int
+ getColumns():int
+ ~Adjacency() Class GA Class BruteForce - elpasedTime:double - minPath:double - intitialTours:int - generations:int - totalTimeTraveled:double - mutationPercentage:double - totalTimeTraveled:double - path:vector<int> - minPath:double - cities:int - path:vector<int> + BF() - tours:vector<vector<int>> + getShortestPath(matrix:Adjacency&, cities:int, running:atomic<bool>):string
+ timer(running:atmoic<bool>&):void
+ getTimeElapsed():double - rng:mt19937 - totalElapsed:double + getTotalTimeTraveled():double + GA(initialTours:int, generations:int, mutationPercentage:int, cities:int)
+ getShortestPath(matrix:Adjacency&, running:atomic<bool>&):string
+ initializeTours():void
+ generateTour():vector<int>
+ tourDistance(matrix:Adjacency&):double
+ evaluateTours(matrix:Adjacency&):void
+ mutate():void
+ getTimeFlansed():double + getTimeÉlapsed():double + getTimeTraveled():double main.cpp main to run simulation