I am getting the graph between two coordinates and creating an adjacency matrix for it(say X). I am then applying continuous time quantum walk on X and converting the result into a matrix (probability matrix)(say P) and combining P with the adjacency matrix, say A. Then converting A to markov’s matrix say M . I am then getting a matrix using the distances between nodes as the weights of the graph and combining it with the matrix M. I am then using Dijkstra’s algorithm on it to obtain the shortest path.