

Transportation of company workers for the reduction of traffic and pollution

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Data Structures

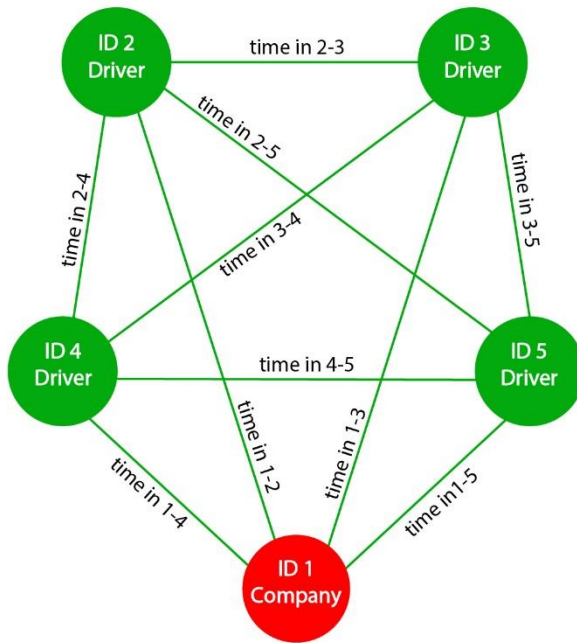


Figure 1.

Just a graph with edges, vertex and weight between every existent vertex

Algorithm and Complexity

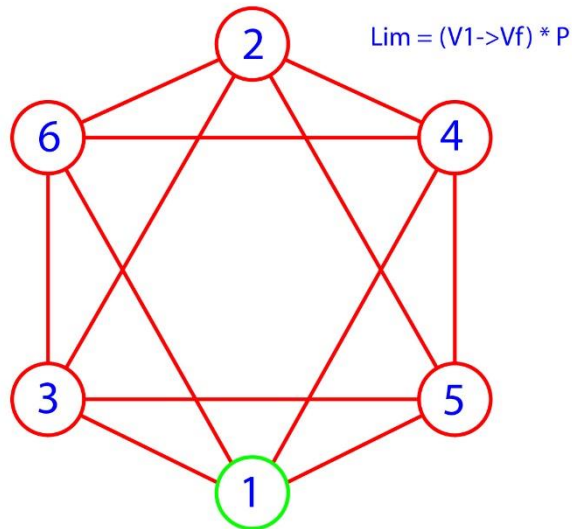


Figure 2: Restriction

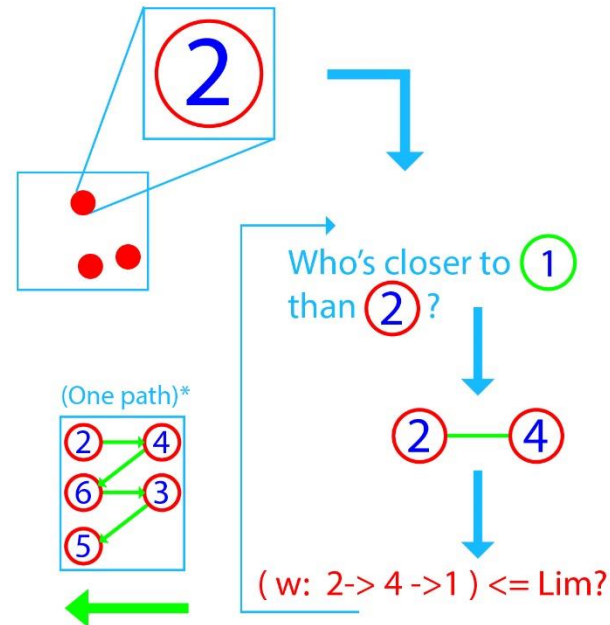


Figure 3: Cases and operations.




Include your own figures and explanations

Algorithm design criteria



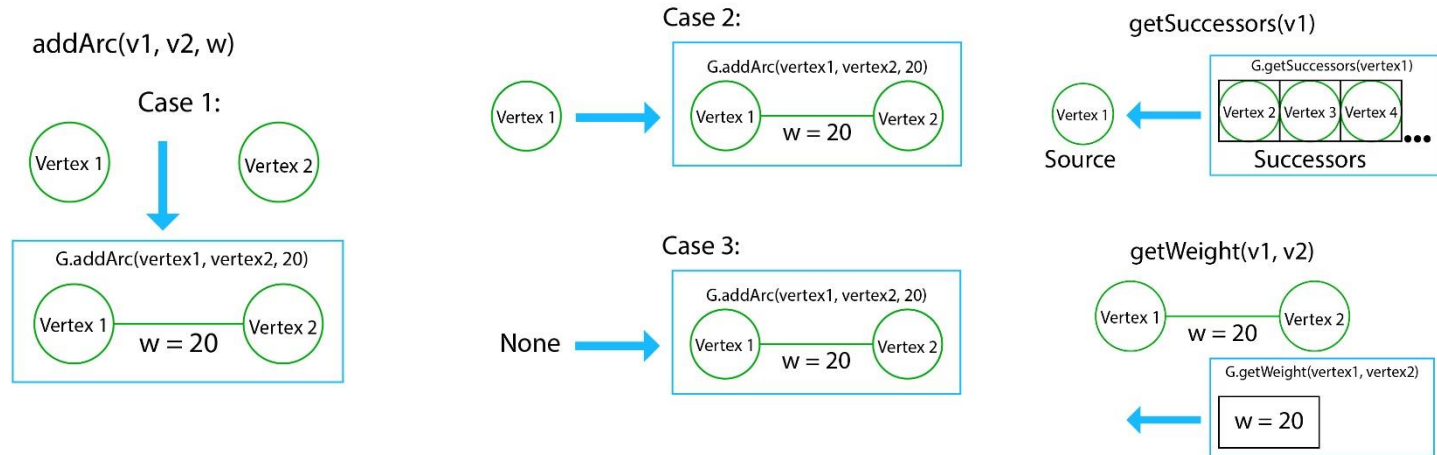
For the case of assignation of cars, we noted that it is a problema that can Be developed with the use of complete graphs not directed where every Vertex represent a house of a person. The time that takes the person to get To other vertex is the weight of the edges which also connect to all the rest Of vertex. For the implementation of the graph we decided to make an Adyacancy matrix, because if it is a complete graph, there exists an arc and A weight with a pair of vertex that we can store in that matrix.



Include your own figures and explanations

Software prototype

Operations given a graph G:



Report accepted in arXiv

We actually did not understand what is this.