Goods transportation optimization problem solving via routing algorithm

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Abstract

This project report outlines the ideas behind developing a graph-based heuristic-driven courrier routing algorithm designed for a particular instance of a goods transportation problem with a single good type. The proposed algorithm solves the optimization problem of satisfying the demand of goods on a given undirected transportation graph with minimizing the estimated cost for each traversed segment of the courrier path. The operation of the routing algorithm is discussed and overall evaluation of the proposed problem solving technique is given.

Index Terms

Algorithm, graph, report, artificial intelligence, logistics.

I. Introduction

THIS demo file is intended to serve as a "starter file" for IEEE journal papers produced under LaTeX using IEEEtran.cls version 1.8b and later. I wish you the best of success.

Look, here is our graph:

A. Subsection Heading Here

Subsection text here.

1) Subsubsection Heading Here: Subsubsection text here.

II. Conclusion

The conclusion goes here.

Appendix A
Transportation graph generator source code

Appendix one text goes here.

Appendix B
Optimization/routing algorithm source code

Appendix two text goes here.

References

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.

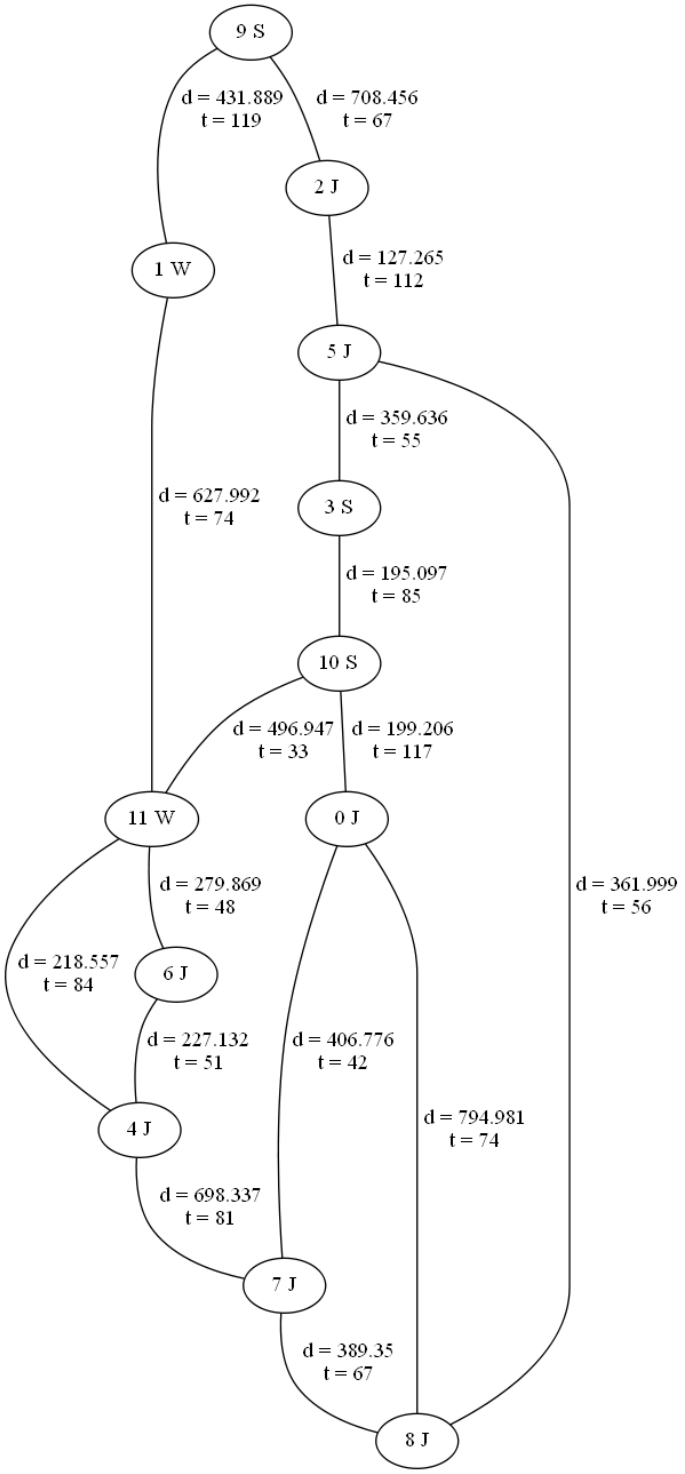

Fig. 1. That is our graph!