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TSP Solver and Generator [1]



Generate and solve Travelling Salesman

Short description:

Problems

http://tspsg.info/

Homepage:

Supported platforms:

Windows

• I inux

FreeBSD

Windows

Mobile

Symbian

BlackBerry 10

UI Languages:

English

• Українська

Русский

Technologies:

C++

• Qt 4

Qt 5

Description:

TSP Solver and Generator is intended to generate and solve **Travelling Salesman Problem** tasks. It uses *Branch and Bound* method for solving. Its input is a number of cities and a matrix of city-to-city travel costs. The matrix can be populated with random values in a given range (which is useful for generating tasks). The result is an optimal route, its price, step-by-step matrices of solving and a solving graph. The task can be saved in an internal binary format and opened later. The result can be printed or saved as *PDF*¹, *HTML*, or *ODF*.

TSPSG may be useful for teachers to generate test tasks or just for regular users to solve

1

TSP's. Also, it may be used as an example of using *Branch and Bound* method to solve a particular task.

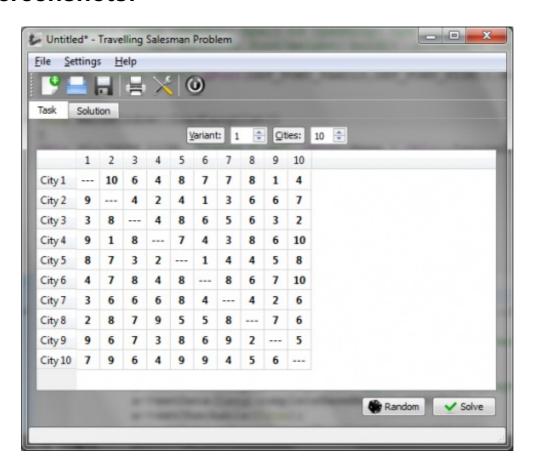
1. Depends on the platform. ←

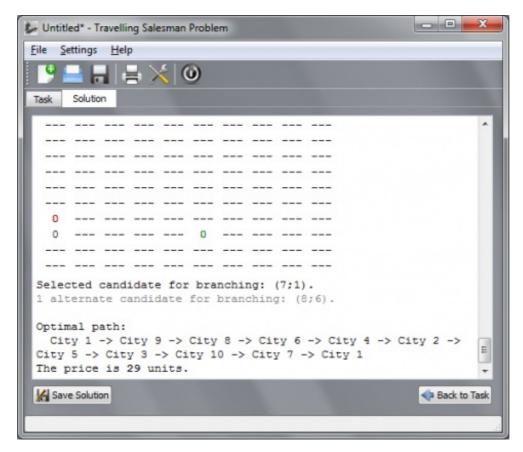
My contribution:

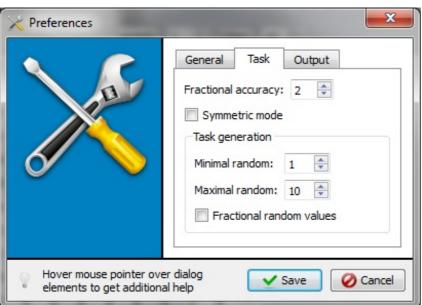
I am the author of this project. The project is currently "on hold" due to the lack of my spare time. But it will be revived, eventually.

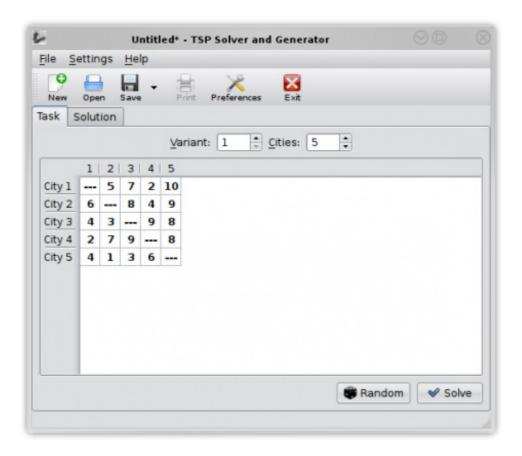
This project was originally born as an Open Source rewrite of my University coursework Branch and bound method of solving Travelling Salesman Problem_[2].

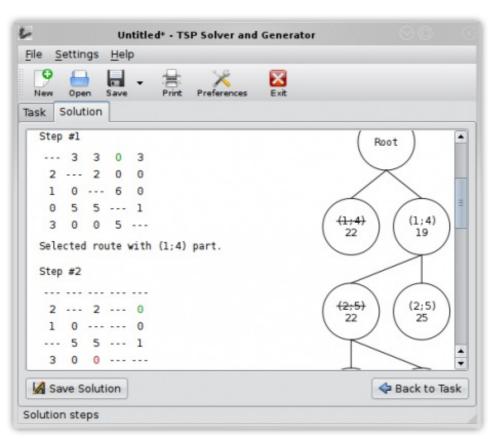
Screenshots:

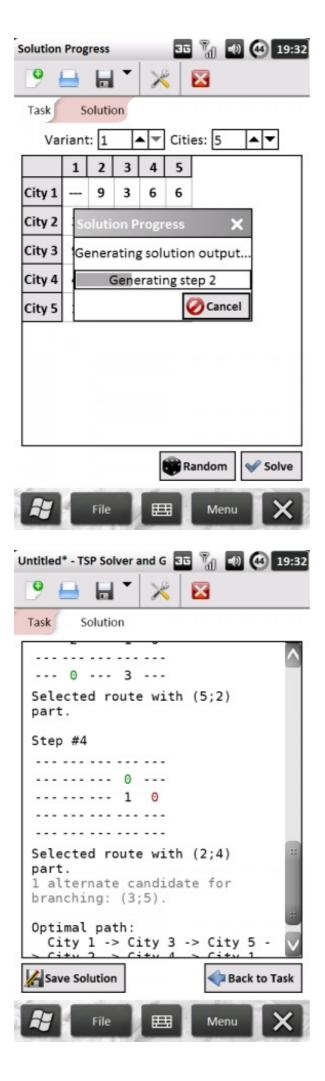


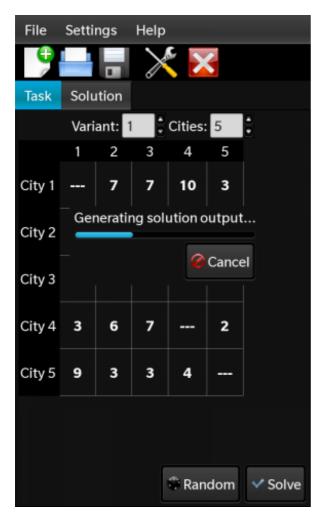


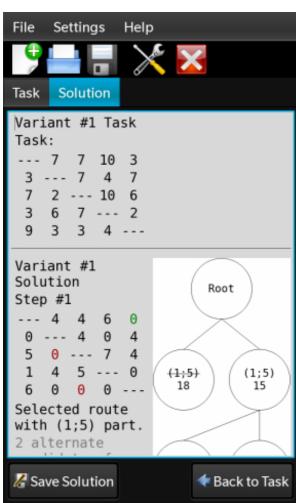












• Open Source Tags:

Qt

• TSPSG

Short URL: https://olse.me/HyJ

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[1] https://oleksii.name/en/projects/tspsg

[2] https://oleksii.name/en/projects/archived/zkommodrd