Contributions

Gabriel Rodrigues

- Generation of initial population based on value heuristic
- Script to test the impact of different algorithms to generate populations.
- Modifications on the KP and TSP EA, and the base files SEA for permutation and random keys.
- Minors bug fixing and refactoring.
- Discussion of approaches, intuitions and conclusions.
- Report
    - Structure of it.
    - Introduction
    - State of the art
    - Conclusions
    - Proofreading, few corrections and additions to the rest of the paper.

Gonçalo Pereira

- Configuration file system (json)
- Script input arguments
- TSP EA direct representation and associated EA functions
- KP EA algorithm
- TTP EA algorithm
- Experimentation on TSP, KP and TTP EA
- README and RUNNING files
- Report
    - Methodology and Algorithms
        - sections 3.4, 3.5, 3.6
    - Experimental Results
        - section 4.2 & 4.3 - TTP EA experiment
    - Conclusions & Future Work
        - TTP EA
    - Proofreading

José Marcelino

- Script to generate configurations files
    - Random generated followed by run
    - Experiments in order to tune parameters
- Report
    - Conclusions
        - section 5

Sebastian Rehfeldt

- initial solution for separated approach
    - collecting instances and linkern tools

    - trying out code from provided websites https://sites.google.com/site/mohammadrezabonyadi/standarddatabases/travelling-thief-problem-data-bases-and-raw-results
    - reading of files and basic code structure (choice between linkern tour and EA for TSP) including a basic config file
    - EA for TSP using random keys
    - KP solver using the proposed heuristic
    - Calculation of the objective value
- Top k selection for the TSP EA
- Generation of initial population based on distance heuristic
- Experiments on initial representation and heuristic for initialization
- Report
    - Abstract
    - Methodology
        - intro, 3.1 - 3.3 as well as 3.7
    - Experimental Results
        - intro, 4.1, 4.2 and parts of 4.3
    - Proofreading and minor changes
    - Conclusion
    - Future Work