Files in these directories contain all the 387 Chao's instances and 82 Dang’s instances for the Team Orienteering Problem and the solution values obtained by our ``Hybrid Adaptive Large Neighborhood Search for the TOP’’.

Instances description are published respectively by:

* Chao, I.-M., Golden, B. L., Wasil, E. A., 1996. The team orienteering problem. European Journal of Operational Research 88 (3), 464{474.
* Dang, D.-C., Guibadj, R. N., Moukrim, A., 2013b. An effective pso-inspired algorithm for the team orienteering problem. European Journal of Operational Research 229 (2), 332-344.

The format of data files is as follows:

1. **Instance files (\*.txt)**

For each instance, in the first three lines the following data are reported:

* + n
  + m
  + tmax

where:

* + n = number of nodes (including start and end depot)
  + k = number of vehicles
  + tmax = maximum duration of each route.

The remaining lines contain the data of each node. In particular, for each point i, the following information are reported:

X Y P

Where:

X and Y are the euclidean coordinates of the node.

P is the profit of the node.

The first and the last point are the starting and ending points.

The distance *ci*,*j* between node *i* and *j* is computed as

.

1. **Solution files (.xlsx)**

The file "Solutions.xlsx" reports the solution values obtained by our Hybrid Adaptive Large Neighborhood Search, i.e., the total profit collected for each instance.

PS: Detailed solutions with routes are provided for Dang’s instances.

For Chao’s instances, we indicate whether the solution is optimal or not. To now, the number of open instances is 43.

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