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## Abstract

We provide the instances used in the paper *The Generalized Regenerator Location Problem*, by S. Chen, I. Ljubić and S. Raghavan, *INFORMS J. on Computing*, **27**(2): 204–220, 2015 (<http://dx.doi.org/10.1287/ijoc.2014.0621>). This repository contains both the instances used in the paper as well as the upper and lower bounds obtained in the paper.

The accompanying data is contained in the following files:

- `instancesgrlp.zip`: In this compressed archive all the instances used in the paper (Set1, Set2, Set3) are provided. These instances do not have any preprocessing procedures applied to them (as described Section 3.1 of [1]). They are in a format suitable for the branch-and-cut approach. In other words they are the instances after transformation to the extended directed graph  $\tilde{H}$  described in Section 3.3 of [1].
- `InstancesDescription.txt`: This file contains the description of the data files for the instances.
- `GRLP_BandC.xlsx`: This spreadsheet reports the upper and lower bounds obtained in the paper. Each sheet in this file contains the following columns:
  - Name: Name of the instance.
  - LB: Lower bound.
  - UB: Upper bound.
  - Status: OPTIMAL or SUBOPTIMAL (if  $UB \neq LB$ ).

## References

- [1] S. Chen, I. Ljubić, and S. Raghavan. The generalized regenerator location problem. *INFORMS Journal on Computing*, 27(2):204–220, 2015.