

Data Format Description: Mobility Offer Instances V2

In the following, a description of an input data format for mobility offer problems is given. All indices are zero based, i.e the index 0 refers to the first element of a list. The input data is provided in a plain text file with the file ending “**.mo.input**” that consists of:

- One line containing four natural numbers separated by single spaces:
 - *numbVehicles* The total number of vehicles
 - *numbDemands* The number of demands
 - *numbOffers* The number of offers
 - *numbMoTs* The number of different mode of transports (MoTs)
- *numbMoTs* subsequent lines each describing a mode of transport. The first number is the index of the MoT. The next value is a string describing the type of the MoT. The third value is the total number of instances of this MoT. Note that this value is 1000000 if it is an unlimited resource (e.g., Type.FOOT_Pedestrian) The last number is the starting index of this mode in the list of all MoT instances to which the mobility offers refer.
- Then, there are *numbDemands* subsequent lines each describing a mobility demand. The first number of each line specifies the *number of mobility offers* n for the mobility demand. It is followed by n four-tuples of numbers, specifying *cost*, *interval start*, *interval end*, and a *MoT instance index*.