Generation of Multi-level Directed Graphs Arbitrary Geometry - Part 1

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```r
library(knitr)
```

```r
knitr::opts_chunk$set(cache=FALSE)
```

```python
import sys
import os
mldgpath = "C:/Users/petelin/Documents/MLDG"
sys.path.insert(0, mldgpath)

model = 'mfs'
modelpath = mldgpath + "/models/" + model

projspath = mldgpath + "/" + "projects"
project = model + "_" + "seas_manual"
projpath = projspath + '/' + project
try:
    os.stat(projpath)
except:
    os.mkdir(projpath)
    os.mkdir(projpath + '/geometry')
    os.mkdir(projpath + '/trajectories')
    os.mkdir(projpath + '/examples')
    os.mkdir(projpath + '/rules')
    os.mkdir(projpath + '/graphs')
    os.mkdir(projpath + '/other')
    os.mkdir(projpath + '/figures')
```