```
global_planner::Potential
         Calculator

# nx_
# ny_
# ns_

+ PotentialCalculator()
+ calculatePotential()
+ setSize()
# toIndex()
```

#p_calc_

```
global_planner::Traceback

# xs_
# ys_
# lethal_cost_

+ Traceback()
+ getPath()
+ setSize()
+ getIndex()
+ setLethalCost()
```

```
global_planner::GradientPath

- gradx_
- grady_
- pathStep_

+ GradientPath()
+ ~GradientPath()
+ setSize()
+ getPath()
- getNearestPoint()
- gradCell()
```