```
algorithm
      + algorithm()
      + ~algorithm()
      + run()
      + check()
      + reset()
       bid dijkstra
- s
- t

    weights set

- path set

    weight

dist
- reached t
pred
- succ

    source mark

    target mark

    source dist

    target dist

shortest_path_node_list
- shortest path edge list
+ bid dijkstra()
+ ~bid dijkstra()
+ source target()
+ weights()
+ store_path()
+ check()
+ run()
+ source()
+ target()
+ store path()
and 7 more...
- reset algorithm()
- init()
- fill node edge lists()
```