```
graph

    directed

- nodes

    edges

    nodes count

- edges count

    hidden nodes

    hidden edges

- hidden nodes count

    hidden edges count

- free node ids
- free_edge_ids
- free node ids count
- free edge ids count
+ graph()
+ graph()
+ graph()
+ graph()
+ ~graph()
+ make directed()
+ make undirected()
+ is directed()
+ is undirected()
+ is bidirected()
and 64 more...
- new node id()
- new edge id()

    copy()

del_list()
del list()
            +owner
      node data
      + id
      + pos
      + edges
      + hidden
```