```
algorithm
   + algorithm()
   + ~algorithm()
   + run()
   + check()
   + reset()
     maxflow ff
# artif source target
# set vars executed
# max graph flow
# net source
# net target
# edges not org
# edge_org
# back edge exists
# back edge
# edge capacity
# edge max flow
+ maxflow ff()
+ ~maxflow ff()
+ set vars()
+ set vars()
+ check()
+ run()
+ get max flow()
+ get max flow()
+ get rem cap()
+ reset()
# create artif source
 target()
# prepare run()
# comp single flow()
# get sp()
# comp sp()
# extra charge()
# create_back_edge()
# comp_max_flow()
# restore graph()
```