```
OMatrix
    + get_Q()
    + get QD()
    + swap index()
    + ~QMatrix()
            #Q
         Solver
# active size
# v
#G
# alpha status
# alpha
#QD
#eps
#Cp
#Cn
# p
# active set
#G bar
#1
# unshrink
+ Solver()
+ ~Solver()
+ Solve()
# get C()
# update alpha status()
# is_upper_bound()
# is lower bound()
# is free()
# swap index()
# reconstruct_gradient()
# select working set()
# calculate rho()
# do shrinking()
- be shrunk()
```