```
OMatrix
    + aet Q()
    + get QD()
    + swap index()
    + ~QMatrix()
            #Q
         Solver
# active size
# y
# G
# alpha status
# alpha
#QD
#eps
#Cp
# Cn
# p
# active set
#G bar
# 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()
       Solver NU
 - si
 + Solver NU()
 + Solve()
 select working set()
 - calculate rho()
 be_shrunk()
 do shrinking()
```