```
QMatrix
    + get_Q()
    + get_QD()
    + swap_index()
    + ~QMatrix()
        Kernel
# kernel function
- X
- x_square
- kernel type

    degree

- gamma
coef0
+ Kernel()
+ ~Kernel()
+ get Q()
+ get_QD()
+ swap index()
+ k function()
kernel linear()
kernel_poly()
- kernel rbf()
kernel_sigmoid()
kernel precomputed()

    dot()

        SVR Q
    - 1
    - cache

    sign

    index

    - next buffer

    buffer

    - QD
    + SVR Q()
    + swap_index()
    + get_Q()
    + get_QĎ()
    + ~SVR Q()
```