$$\frac{\partial}{\partial x} ||a||^{2}$$

Max
$$(0, 1-y_i (aTX_i + b))$$

CSS we $y_i (aTX_i + b) \ge 1$

Ly max $(mss) \rightarrow 0$

 $g_{i}\left(\hat{a}^{T}\hat{\chi}_{i}+b\right) < 1$ [- 4: b - 4: \$\frac{1}{2}\times_{\text{i}} 7 f d - y: X:

$$b = b(n) - x$$

$$2(n+1) = 2(n) - x$$

$$3(n+1) = 2(n) - x$$

$$4(n+1) = 2(n$$

R+ decay xitornum