". We only have two points

convex optimization problem = global optimal exists

3. 
$$P = \frac{1}{|w||}$$
  $P = \frac{1}{|w||}$   $P$ 

(a), 
$$\frac{1}{p} = ||w||^2$$
  
 $\frac{1}{p} = ||w||^2$   
 $\frac{1}{p} = ||w||^2 - \frac{1}{2}||w||^2 = \frac{1}{2}||w||^2$   
 $\frac{1}{p} = 2L(a)$ .

$$\frac{\sum(W,b,a)=\frac{1}{2}||W||^2-\frac{N}{2}an\{tn(W(\phi(xn)+b-1)\}}{n=1}$$
Intn(b(xn)).

$$L(w,b,a) = L(a) = \frac{1}{2} ||w||^2$$

from Step 0 to step to