

$$\overline{w}. \overline{v} + b \neq 0$$

$$\overline{w}. x_{i} + b \neq 1$$

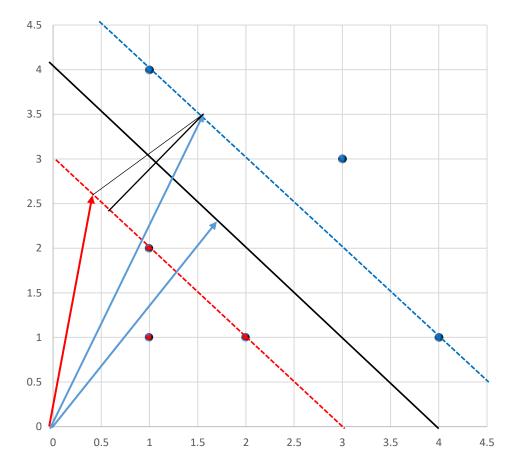
$$\overline{v}. (\overline{w}. x_{i} + b) \neq 1$$

$$\overline{v}. (\overline{w}. x_{i} + b) \neq 1$$

$$\overline{v}. (\overline{w}. x_{i} + b) = 0$$

$$\overline{v}. (\overline{v}. - x_{i}) = 0$$

$$\overline{v}. (\overline{v}$$



A shin /2 11 WIL 8.t. = y: (wx;+b)-1 = 0 for all: = >= Min 1 | | | | | - Z. \alpha_i [y_i (\overline{u} \times_i + b) - 1] Ser = W - Zai yixi = 0 => W = Zixi yixi (OL = | Z x y = 0 | Mix = 1 Zx, y, x, Z, x, y, x, - Z, x, y, x, Z, x, y, x, - Zxtib + Zx. Marix L = Z. xi. -1/2 Z. Z. xixj. yiy. Xixj. Pefino Itij = yiki · jikj => L = Zi xi - 1 Zizi xi Hijxi MaxL = Zai - 1 a Ha

