## **Closest Points**

- Why do you only need to check next and not previous?
- Next \_\_\_\_\_ points? (Remember no two points in L or R are closer than  $\delta$ )
- We assume no two points have the same xcoordinate. Where did we use this assumption?

## **Exchange Argument**

I. If  $\sigma^*$  has objective value  $A_{\sigma^*}$  and  $\sigma^{*'}$  has objective value  $A_{\sigma^{*'}}$ , write as simple an expression as possible relating  $A_{\sigma^*}$  and  $A_{\sigma^{*'}}$  (using  $w_i$ 's and  $t_i$ 's).