Drawing Decision Boundary of the Adabost consisting of the 3 following stumps.

Stump 1:
$$I(x_2 > 2.5)$$
 From $\xi_1 = .2$

Strop 2:
$$I(Y_1 < 1.5)$$
 Error $S_2 = .1875$

$$\alpha_2 = \frac{133}{}$$

(x)
$$\frac{\text{sign function}}{\text{sign (x)}}$$
 , if $x > 0$

Example:
$$sign(-6) = -1$$
; $sign(.67) = 1$

$$sign(zozz) = 1$$

$$sign(x) = I(x_{30})$$

$$= sign\left[\alpha, \underline{T(x_2)_{12.5}} + \alpha_2 \cdot \underline{I(x_1(1.5))} + \alpha_3 \left(\underline{x_1(4.5)}\right)\right]$$

=
$$sign(.693 - .733 + 1.018) = sign(.978) = 1$$

For C

$$sign\left[\alpha, \ \underline{T(x_2), 2.5}\right) + \alpha_2 \cdot \underline{I(x_1(1.5))} + \alpha_3 \left(x_1(4.5)\right)$$

$$=$$
 sign (.693 - .733 - 1.016) = sign (-1.058) = -1

And similarly for other regions.