2) a) max min 11 \(\omega 11^2 - \frac{1}{2!} \lambda\_{i} (\gamma\_{i} (\chi\_{i} (\chi\_{i} \cdots \alpha \right) - 1)}\)

 $\lambda_{1} = 0 \quad \text{in} \quad \lambda_{1} = 0$   $\lambda_{1} = 0 \quad \text{in} \quad \lambda_{1} = 0$   $\lambda_{1} = 0 \quad \text{in} \quad \lambda_{1} = 0$   $\lambda_{1} = 0 \quad \text{in} \quad \lambda_{1} = 0$   $\lambda_{1} = 0 \quad \text{in} \quad \lambda_{1} = 0$   $\lambda_{1} = 0 \quad \text{in} \quad \lambda_{1} = 0$ 

D) 
$$f(x) = \begin{cases} +1 & \text{if } \omega \cdot x + \alpha & \text{if } \omega \cdot x$$

c) Looking at the condition, for all 170, the condition goes to 0, therefore for points corresponding to 2,70 the other variables t; , x i, x, co must result in 0.

Decause they add meaning ful information to the training set, while other training sets may not.

