A(ii)

Clearly x2 has more importance (its slope is 5.937..). The lager X2 is the more likely it will be a +1.

X1 has a slope of - 0.05041. This means that it doesnt really have an impact on whether y is +1.

A(iii)

Boundry is a linear plane and it seoerates the 1 and -1. It can be witten as w1\*x1 + w2\*x2 + b = 0.

w1, w2 = Weights.

x1, x2 = features

b = intercept

we use minus in the formula to flip the sign of the coefficients. This is because the descion boundtry is where the log- odds is equal to 0 .