AW = = g \[ \] (w) | w = w &

到心をならいかと 1)(m)= (2-mx)(-x)+ ym Du = 8 (2-(mp)x)(x) - yeng

\* Fix 5t = \ (x,+1) / x ~ U (0, 3) \ , S = \ (x,-1) / x ~ U (4,5) \ ~ S = S + U S.

we Fe percentional ? an sportial introdutor X= (0,3)U(4,5) on fêtes de transfer liverarà.

a) Figurati pretoprama lu ? Particulantete dimitie percentrarelin formal la ? (0,3)x4-15]U[(4,3)x4-15] 6) Daia motive intratibre possibile = Xx4-15-5 con

functic de pierdere l(u, y) = (4-14) 2 societs resoul real a luc?

b.1) In yatiel Wal parametrilor lui Proviété evention reprofétér genera sur vului real a lui ? Ce repreton

b.2) gosti ipolica! Le minimiteate risul real al

~ percepts mules ?. c) he sportful W a lui ? swiet risul empire coresponte

tor risulai real de la 6).

C. A) Gasti per Ité de minimitérate risul empiric

a lui 7 pe orultimes de anternan S- E(Ki, y, ) EZY M

d) Fie punctionale

2 5 2

 $f(w, h) = 3 \int_{3}^{3} (y(x) - \lambda) dx + \int_{4}^{3} (y(x) + 1)^{2} dx = 0$ 

Calculati (wft) = argum I(v, b).

e) Calculati crocile de misclasare a percephanter de de de petel b) c) si d). Comparati retruttatele si justificati raspunsil.

Implementate la lab. + miercat in faistant (n)

Spentul

a) P: [xo ] = wx + b 7= (1w,69, \$, G(x)=wx+6=n, f(n)=m)

W (3 (x)=wx+6=n, f(n)=m) b) Rmd (4)= [ ((u, y(x)) df(x,u) =  $= \frac{3}{4} \left( (y(x) - 1) \right) \frac{7}{4} \frac{7}{4} \frac{1}{4} \frac$ =1-6+62+26w+22w2/1+6+62+36w20w. ce representé un parabolorid (elific  $\frac{1}{2}x + \frac{1}{2}x = 2$   $\frac{1}{2}x = 0$   $\frac{9}{2}x + \frac{1}{3}x = 0$   $\frac{1}{2}x = 0$   $\frac{1}$ =1 h (x) = w x + 6  $R_{emb}(A) = \frac{1}{\sqrt{2}} \sum_{x \in \{0,3\}} \left( A(x) - 1 \right)_{x} + \frac{1}{\sqrt{2}} \sum_{x \in \{0,3\}} \left( A(x) + 1 \right)_{x}$ on miz cand 1x; & (0,3)); nzz (and 1x)+(4,5)).

2 = (mx;+6+1) = 2 > Pemb = 0 > Semb = 0 3 m x 0) + x (1) = 0 mwxas+b-1+wx123+b+1=0  $= \sqrt{(x_0^2) + x_0^{(1)}} + \omega + (x_0^2 + x_0^{(2)}) = x_0^2 - x_0^{(1)}$ (x(1)+x(21) w + 26 20 L (4)= W x + 6 E(s, b) = 10+1062+46 (-4+9w) + 2 w (-27+71w).  $\frac{3e}{3e} = 0$   $\frac{3e}{3e} =$ e) [ (x)= 0=1 x=3.25526 den ervarla de misclesare est the h (athle) dais h((0,3)) >0 x h((4,51) <0 atuma croade of misclesare ist Hero

·/. -

=> x ∈ (4, xo) but wischesate

by (atul d) h(€) =0 =1 x=4.01235

3