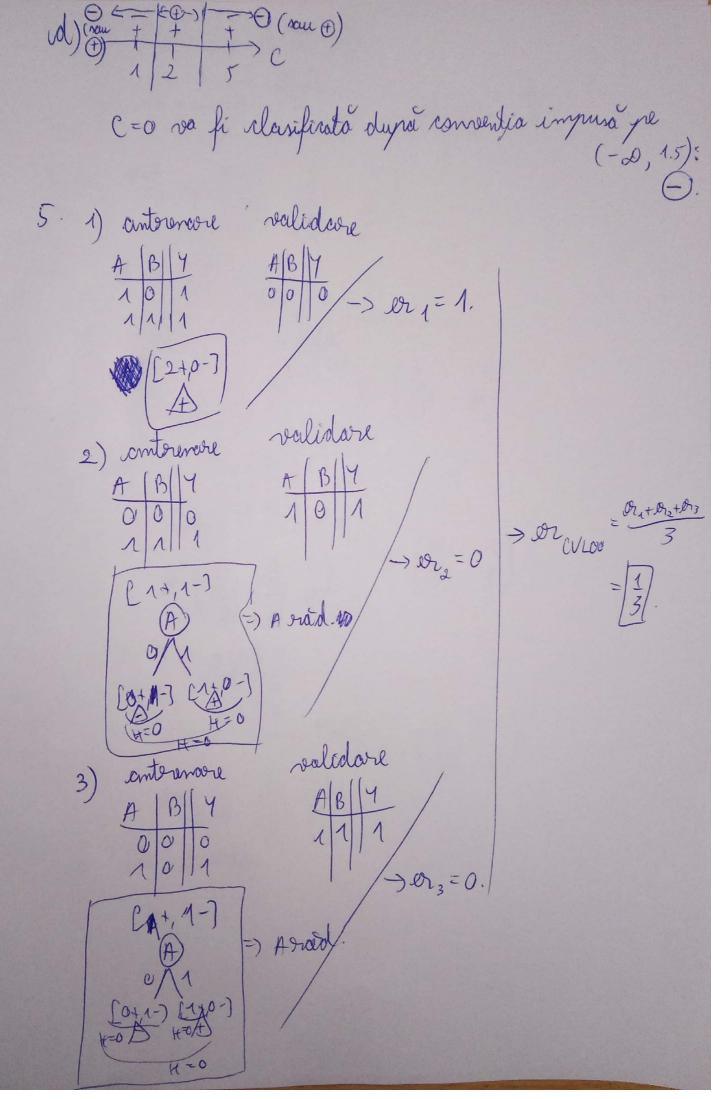
Test 2 - resolvare

1. a) setul exte consistent => erororea = 6 b) \(\frac{2}{10} \). 2. H[2+,3-] [] H[10+,5-] 3)2/56/15 => Holf 7 Hols [1+,2-)[2+,3-] [2+,1-] [1+,4-] +1-1++1+>D => 3 pragnonipit.D b) A, B, C:1.5), C:35), (5:05), (5:1.5), (5:4.5) i) H-minim => B-Irádóxina 113



6. (a)
$$P(A = 0|Y = 1)$$
 MLE $\frac{1}{3}$

(b) $- \frac{1}{3}$ Agricus $\frac{1+1}{3+|Dal(A)|} = \frac{2}{6} = \frac{1}{3}$.

7. (a) MLE $\frac{1}{3}$ $\frac{1}{3}$

i) yMAP - congmors P(Y=y|A=0, B=0) P(A=0, B=0 | 4=y) P(Y=y)
P(A=0, B=0) vot 70 FB surgman of 8/0,1,24 P(A=0, B=0 | Y=y) P(Y=y); = yiB = aorgmoni y = (0,1,2) ii) po=P(A=0,B=0/4=0)P(4=0)=0.7=0 N1=P(A=0, B=0|Y=1)P(Y=1)=0===0 12=P(A=0, B=d4=2)P(4=2)=0====0 Combentie; rand p-wile sint egale, alegem eticheta rea rai mica numeric. =) [0]. uii) [0] SAU $\frac{0}{0+0+0}$??? = $\frac{1}{10+1}$ $\frac{1}{10}$ $\frac{1}{10}$ a) Boyes Mois (Oraque la validare minima) les 183: overfitting i D3 au inder gine; underfitting a) pruning

4

