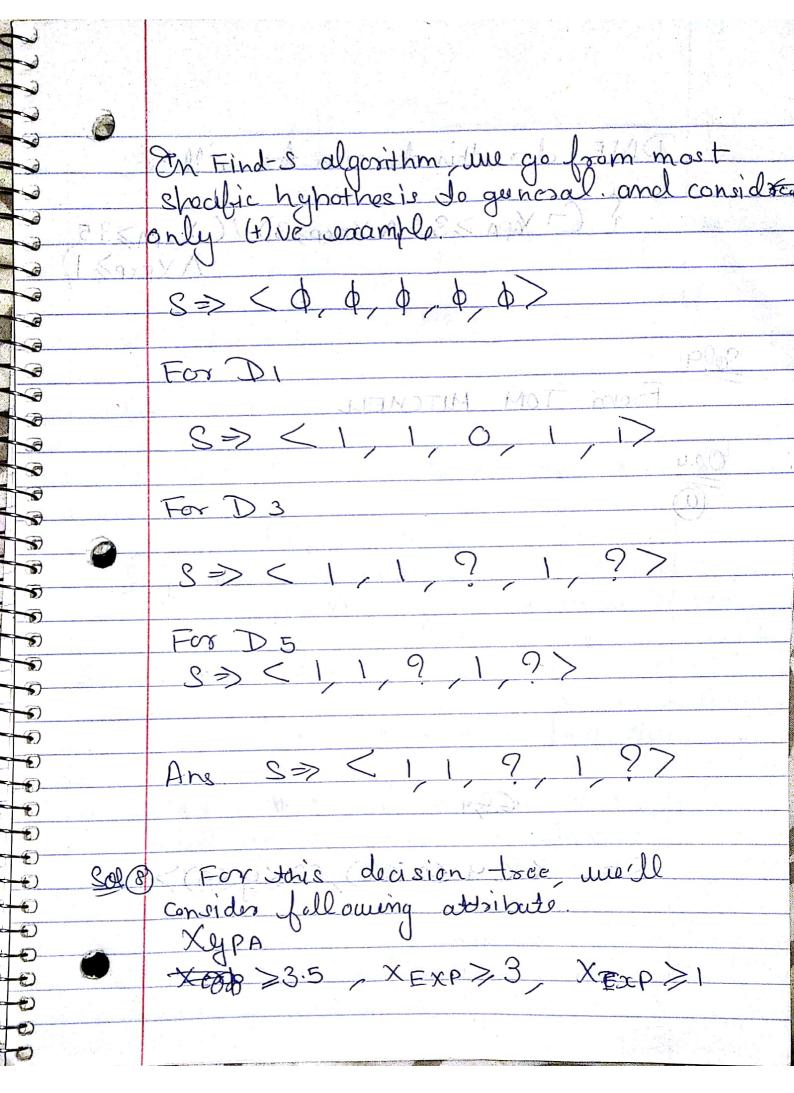
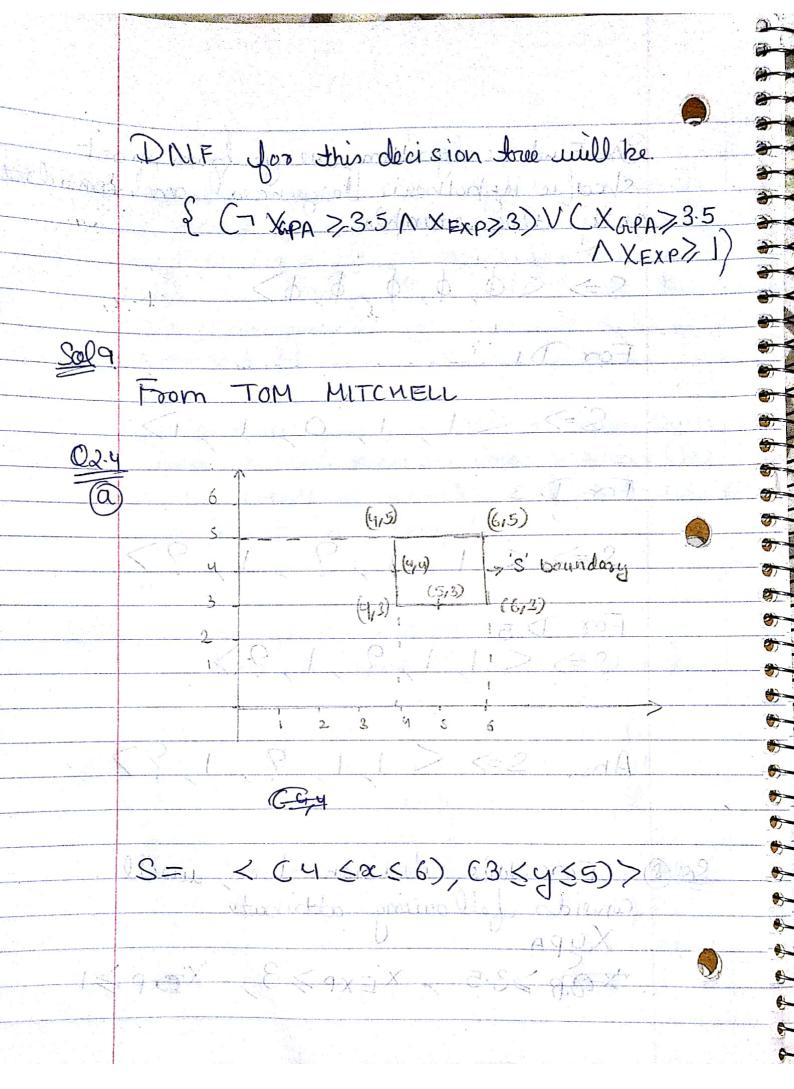
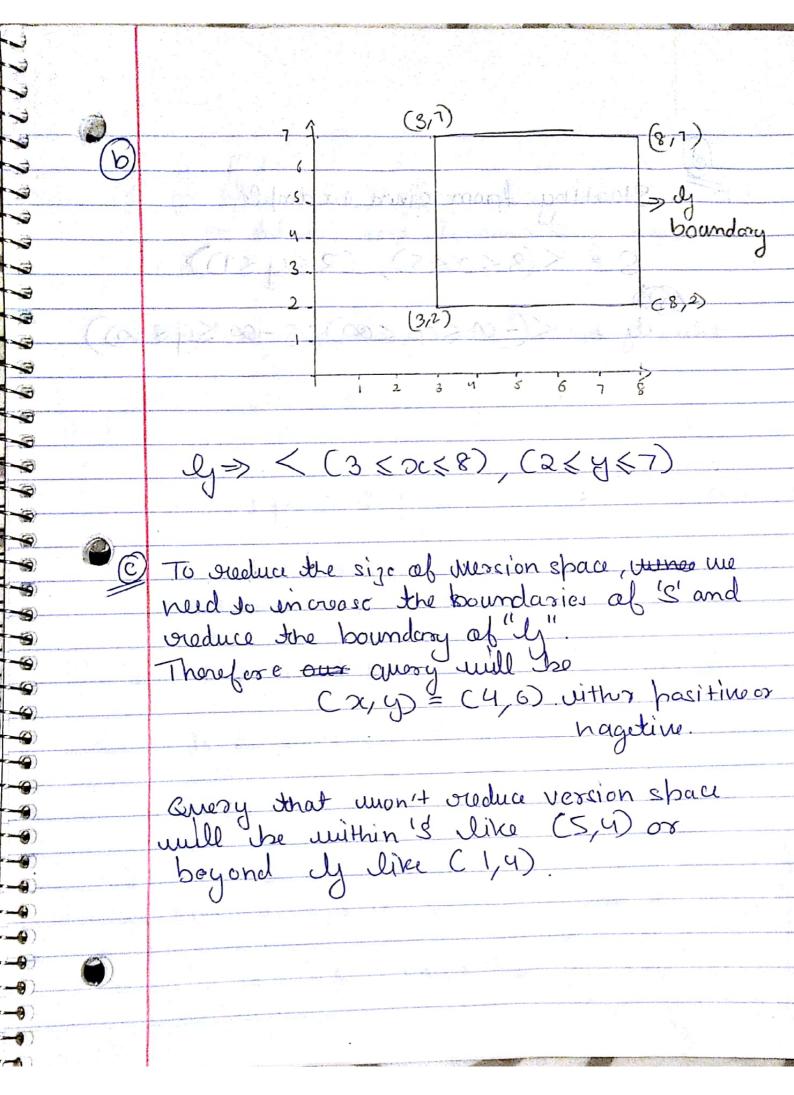
12/2011 to died a 18 water of to the Millians 1: 1/10 False positive cases: 20% Sol3. a) Sheatic hypothesis: Pros: Specific hypothesis is always consistent unith the training data. Cons: It gives us balse nagetive. (b) Izeneral hypothesis: Pros: Useful when one highothesis in moreogeneral than others, so More tout number of training escamples can be used. Cons: Junial hypothesis gives more false positive

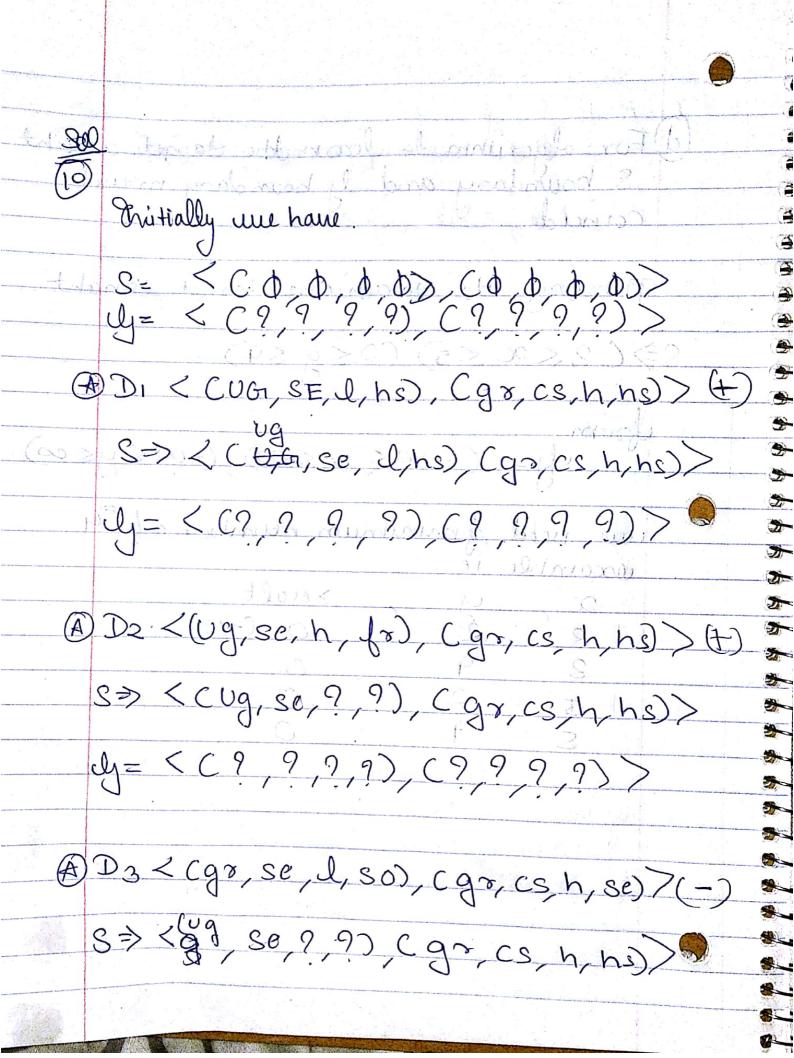
Soly Consistent hypothesis: If a hypothesis evaluates "I" for all positive example and "F" for all naget re example je our hypothesis es able to clasify the example un the the drawing data than it is said to be consistent. drantogud of Apays 10. 15 02 Version Space: with respect to hypo their space (H) and Isam Ing date examples (D) is the subset of hypothesis from M, consistation space (1) and Isam Ing dota example (D) with the training example in I. ourtoern sela O eu envio Et 1200 Sols The most general hypothesis has 0 5 as 2123 Atopped and medas, Virgory 12004 In or all or all principles and the said principle Kellyal 70, elyalist Di <0,1,0,1,1>0 < high july 1200 > bedock and 2 <0,0,0,1,1>0 mit Dy <1,1,1,1,







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 $\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \frac{(\sqrt{2}, \sqrt{2}, \sqrt$ Dy= < (ug, se, l, ji), (gr, se, h, ju)> + \$ < Colg, se, ??), (gx,?, h,?)> Lead Ug => < (ibg 12, 2, 3), (12, 24, 2)> No of hypothosis = 3 (vg, se, 9, 9), (go, 7, h, 9)> <(vg, se, 9, 9), (go, 9, 9, 9)> <(vg, se, 9, 9), (go, 9, 9, 9)> < (Ug, Se, ?, ?) (?, ?, ?) > < (uq, 9, 9, 9), (q3, 2, h, 9) > 0 < (uq, 2, 9, 9), (q3, 1, 9, 9) > 0 < (uq, 2, 9, 9), (2, 9, h, 2) > 0Total hypothais: 8 And only 2 sodisfice data point

