Discussion 10

Today:

Midterm solutions

-x -

Problem 2

a) 3 points => 8 dichotomies Let x = +1, 0 = -1

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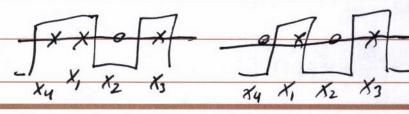
Stoo

S

For all as... as except as we can add xy before the existing ones and classify it as + or - using the "extra" interval to the left.

This gives us 2x7 = 14 dichetonies

Check a 6



m+(4) = 16

N=5

we cannot get x o x o x

MH (5) = 25-1=31/

c) $m_{H}(4) = 24$ $m_{H}(5) < 2^{5}$

dvc=4 K=5

1000 hyp. from 2P 1000 n n 3P

e) Eour ()			V 2NTE	st o	
f) The	bound in	(e) (us	ing ETest	<u>;)</u>	
V-					
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