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MISTAKE-BOUNDED MODEL

LEMENER DATA TOWN 1 7 GUESS FOIL CLASSIFI CAMON TEALHER CEMAIL 2 7 GUESS "NOT-SPAM" TERHER < MISTAKE #MISTAKES INCREASES BY 1 LEARNER WILL UPDATE ITS INTERNAL STATE

WE SAM A LEARNER HAS PUSTAKE-BOUND & IF FOR EVERY SEQUENCE OF CHALLENGES, LEARNER names at most t mustakes.

DIMAIN = \$0,139

fixl= x, v x, v xq e.g. 4 V Ky

" TRYING TO CEMEN F" LEALNER xe forl3 TEALITE & SAMS " COLPECT" IF GUESS = f(x) " MISTAKE" OTHERWISE C 26 80119"

QUESTION: CAN YOU COME UP WITH A LEAGUER/
ALGORITHM
WITH MISTAKE BOWN MY MOST N?

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LEARNER WILL START WITH THE MINDTONE DIST XIVXV V Xn INITIAL STATE = XIVXZVX3V ... VXLV VXn 11

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EVERY TIME WE MAKE A MISTAKE

AT LEAST ONE LITERAL IS ELIMINATED.

AT MOST IN LITERALS

AM ISTAKES & M.

C = 2 DISJUNETIONS 3

f = XIV XZV XZ V XQ

QUESTION: HOW CAN WE USE THE ALGORITHMA FOR MONOTONE DISSUNCTIONS TO LEGAL DISJUNCTIONS?

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APPLY MONOTONE 7, Yn E 30,13 DIST ALL ON THESE CHALLENCES "FEATURE EXPANSION" 22 EACH Yi = Xi WE HAVE WITH MISTAKE BOUND £ Zu + (x1, ..., xn) = x2 V x4 V x7 f(x2,-, x1, 4, -- Y2) = X2 V /4 V X7

X