Ours Hayduk Lecture 2, Exercise A (a. det(x) = 1.1 - 2.0 got(A) = J.1 - [-1.4]

x = -- <u>-</u> 6 | 6 | (from a

(a, 2k+1) = 1 = g(d(b,2k+1) a (2/41) + b (2/41) in lowest terns. Hence, if xyEA, xtyEA

- is associate 9984100 is 0400104NE

9 9 9

0

+2+2=0,50 3+3+3+3=0,50/3/=4 41+4=3,50 41=3 5+5+11、+5=0,50 151=12 12 times 6+6=0,50 [6]=2 7 + 1. + 7 = 6, 50 |71 = 1) 12 times 8 + 8 + 8 = 6, 50 |8 = 3

10 + 10 + 10 + 10 + 10 = 0 50 1701 = 6 TT + "+ 11 = 10, 50 |TT = 1 Ma. Suppose Mm. Then M= NK for some KEZ By the division algorithm, Igyret

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6

0

6

However we know 1x1 = 1 and and thus m= ng.