Lecture 24 Problems: Problem

Co: Saturno

det(A- 2I) =0=(1-2)= 62 paro

1-2=6,

let 5=10 2; then 2= -1 and so on.

(b): The leagervalues are atsothe pirots.

(W) Decanse then they I be the same,

Problem 2:

A is inventible, orthogonal, permutation, and Markow, and combe fortor
-ed as MMMo QR, SNS-, and QNQT. Bis a projection, diagondalizable, and Morkey, and can be fortiered as LV, SAS-1, and QAQT.

Prollem 3

 $A = \begin{bmatrix} 0.7 & 0.1 & 0.2 \\ 0.1 & 0.6 & 0.3 \\ 0.2 & 0.3 & 0.5 \end{bmatrix}$ Since $\lambda = 1$, then

(A-I)x =0 => MA=In/sosou x=[]