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2. o)
$$P = (A) = -\lambda (A - \lambda) (2 - \lambda) = 0$$
 o where proper do 110

= det $(Mo) = 0 \Rightarrow Ho m' d' per inversible$

b) Cherchens leverting propers. $Ho = \begin{pmatrix} 0 & 2 & 2 \\ 2 & 2 & 0 \end{pmatrix}$
 $E = ker(\frac{1}{4}) = \begin{pmatrix} 2 & 2 & 2 & 2 \\ 2 & 2 & 2 & 0 \end{pmatrix}$
 $E = ker(\frac{1}{4}) = \begin{pmatrix} 2 & 2 & 2 & 2 \\ 2 & 2 & 2 & 2 \end{pmatrix}$
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