AUTOVALORI E BUTOVENONI

$$\begin{pmatrix} 0 \\ 1 \end{pmatrix} = \underbrace{P2}_{2} = \begin{pmatrix} 1 \\ 2 \end{pmatrix}$$

$$A = \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix}$$

$$\underbrace{P1}_{2} = \begin{pmatrix} 1 \\ 2 \end{pmatrix}$$

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BASE AL IR"

$$\begin{array}{c|c}
m & (66) \\
\hline
(97) & (9m) & (9m) \\
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4 & (27) & (9m) & (10m) \\
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20 & (27) & (27) & (27) \\
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20 & (27) & (2$$

$$A = Im A Im = \begin{pmatrix} Im \\ 21 \\ 02 \end{pmatrix} \begin{pmatrix} A \\ 1 \\ 1 \end{pmatrix} \begin{pmatrix} A \\ 1 \\ 1 \end{pmatrix}$$

$$= \left[ \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & \\ \end{array} \right] \left[ \begin{array}{c|c} & & \\ & \\ \end{array} \right] \left[ \begin{array}{c|c$$

$$A = \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} \qquad \stackrel{1}{\succeq} 1 = \begin{pmatrix} 1 \\ 1 \end{pmatrix} \qquad \stackrel{1}{\succeq} 2 \begin{pmatrix} 1 \\ -1 \end{pmatrix} \begin{pmatrix} A_{2} \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} \begin{pmatrix} 1 \\ -1 \end{pmatrix} = \begin{pmatrix} 1 \\ -1 \end{pmatrix}$$

$$A\begin{pmatrix} 1\\1 \end{pmatrix} = \begin{pmatrix} 2&1\\1&2 \end{pmatrix} \begin{pmatrix} 1\\1 \end{pmatrix} = \begin{pmatrix} 3\\3 \end{pmatrix}$$

QUINOI X 7 61 acrovanome DI A CON ANTOVALONE K = 3 11 1, 11 L2= 1 <u>X</u>2 (1

O) SENVENO CHE TUPTI I MULIPRI DI 41 (THANE D) LONO AUTOVERTION BI AUTO VALORE 1 = 3

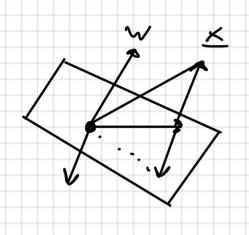
$$A = 2I < \begin{pmatrix} 2 & 0 \\ 0 & 2 \end{pmatrix}$$
  $A \times = 2I \times = 2 \times A$ 

VAIC AFELL - YUTHI GLI Z E ICM \ {0}

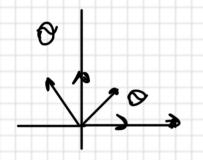
- SONO AUTOVENDAI AI AUTOVAIONE D

$$A = \begin{pmatrix} 0 & \frac{1}{2} & \frac{1}{2} & 0 \\ \frac{1}{2} & \frac{1}{2} & 0 \\ 0 & \frac{1}{3} & \frac{1}{3} & \frac{1}{3} \\ \frac{1}{4} & 0 & \frac{1}{4} \\ 0 & 0 & 0 \end{pmatrix}$$

A - P RIFLY SIONE UI HOUSE HOLDER



ROTAZION, B/ GIVENS



a CICAMANI L'AUTOMIONE AVENO, L'AJOVENONE SIA X AUTOVENDA E AZ = XX BOVE & NOW & NOTO
AL MOMENTO

$$A \succeq \angle \angle \succeq \stackrel{(\succeq \neq \circ)}{\Longrightarrow} \underbrace{\overset{\chi^{T}}{\times}}_{A \succeq = \underbrace{(\times^{t})}_{(A)}}_{(X)} = \underbrace{\overset{(\times^{t})}{\times}}_{(X)}$$

RICHMANS L'ANT VESTIONE A PONTINE DN ALTOMORIUME

COMOSCIAMO 
$$\lambda$$
. SE  $\lambda$  of ANTOMORIUM =  $\frac{1}{2}$   $\frac{1}{$ 

$$A = \begin{pmatrix} 2 & 7 \\ 7 & 2 \end{pmatrix} \stackrel{\cancel{\xi_1}}{\times} \frac{e_2}{\times} \stackrel{\cancel{\Sigma}}{\times} \stackrel{\cancel{\Sigma}}{$$