

Assenvala la masura A determinere i modi di mjoba presenti in A determinare i modi di rispotar usendo la 3-Trospormata

modor di rispola A. J. (b)

 $A_{I} = \lim_{\lambda \to 0} \left[\left(\frac{2}{4} - \frac{1}{4} \right) \left(\frac{2}{4} - \frac{1}{4} \right) \right]$

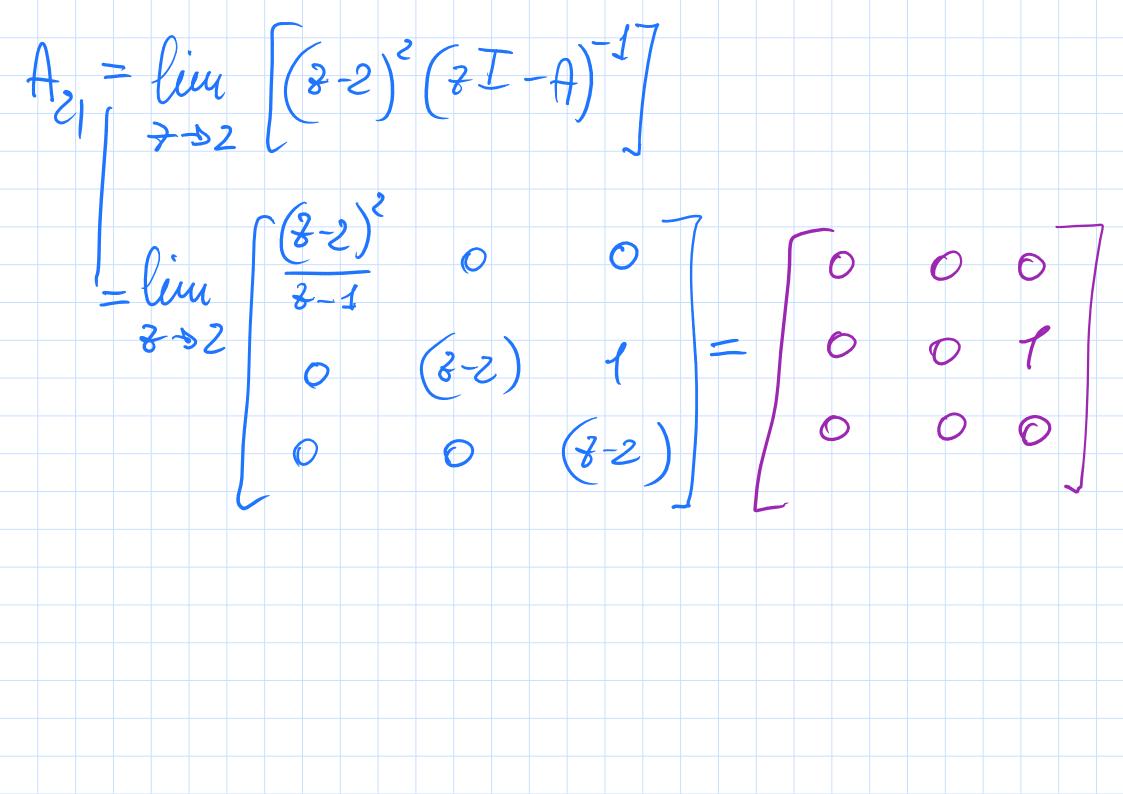
Ve determinée
$$(3I-A)^{-1}$$

$$(2I-A) = \begin{pmatrix} (z-1) & 0 & 0 \\ (z-2) & -1 \\ 0 & 0 & (z-2) \end{pmatrix}$$
grindi
$$(2I-A) = \begin{pmatrix} 0 & 0 & 0 \\ 0 & 0 & (z-2) \end{pmatrix}$$

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il mode di risjoba essociété e d,=+1 rele:

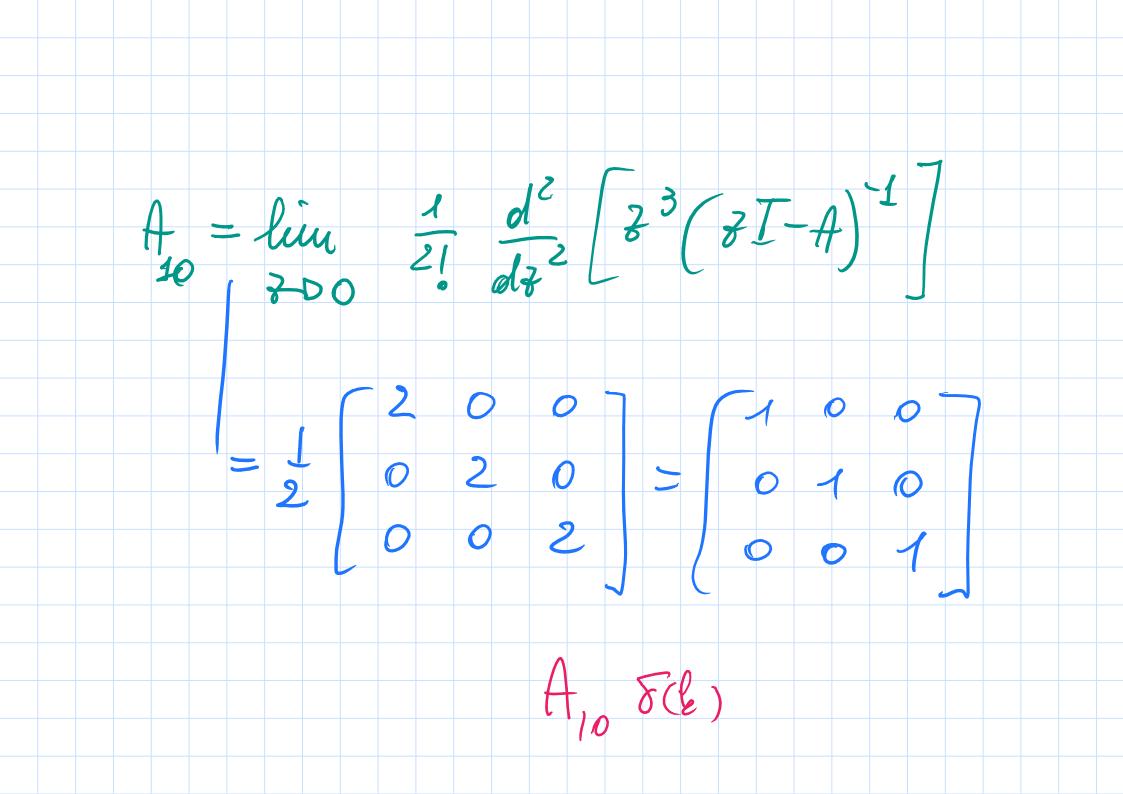
Per gli ellu mods di rispola $A_{20} = \lim_{3 \to 2} \frac{d}{ds} \left(3-2\right)^2 \left(3T-A\right)^{-1}$



Es Dota la motiva e Soperet che Pa(1)=13 determinare modi di un for di Ale

Forendo us della & Trofomota
$$\begin{pmatrix}
2I-A \\
-1 & 3 & 1 \\
0 & 2 & 4
\end{pmatrix}$$

$$\begin{pmatrix}
3+2 & 23 & -2 \\
4+2 & 23 & -2
\end{pmatrix}$$
percio $\begin{pmatrix}
4I-A \\
2 & 23 & 2^2-2
\end{pmatrix}$
e fer i modi di riojoba ao he $\sqrt{2}$



$$A_{11} = \lim_{\lambda \to 0} \frac{d}{d\lambda} \left[\frac{2}{\lambda^{3}} (2I - A)^{\frac{1}{2}} \right] = \begin{bmatrix} 0 & 2 & 0 \\ 1 & 0 & -1 \\ 0 & 2 & 0 \end{bmatrix}$$

$$A_{12} = \lim_{\lambda \to 0} \left(\frac{2}{\lambda^{3}} (2I - A)^{\frac{1}{2}} \right] = \begin{bmatrix} 2 & 0 & -2 \\ 0 & 0 & 0 \\ 2 & 0 & -2 \end{bmatrix}$$

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