7 Des el espació vectorial de motricos hermiticas con producto interno tal que 20107 = Tr(A'B), encuentre la base dual asociada a las matrices de pauli y encuentre un vector generico en este espacio y encuentre su 1-forma asociada dodo (alb) = (bla) = b, a) (êlê) = b; a'S; = a'b; $\mathcal{O}_{1} = \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix} \qquad \mathcal{O}_{2} = \begin{pmatrix} 0 & -i \\ i & 0 \end{pmatrix} \qquad \mathcal{O}_{3} = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \qquad \mathcal{O}_{0} = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ $\langle \sigma^{1}|\sigma_{i}\rangle - 1 = \langle \alpha_{i} b_{i}\rangle\langle 0 \rangle = \langle b_{1} \alpha_{i}\rangle = \langle b_{1} + c_{1}\rangle = 1$ $\langle \sigma^{1}|\sigma_{i}\rangle - 1 = \langle \alpha_{i} b_{i}\rangle\langle 0 \rangle = \langle b_{1} \alpha_{i}\rangle = \langle b_{1} + c_{1}\rangle = 1$ $\langle \sigma^{1}|\sigma_{i}\rangle - 1 = \langle \alpha_{i} b_{i}\rangle\langle 0 \rangle = \langle b_{1} \alpha_{i}\rangle = \langle b_{1} + c_{1}\rangle = 1$ $\langle \sigma^{1} | G_{2} \rangle = 0 = \begin{pmatrix} G_{1} | G_{1} \end{pmatrix} \begin{pmatrix} O - i \\ C_{1} | J_{1} \end{pmatrix} \begin{pmatrix} O - i \\ i | O \end{pmatrix} = \begin{pmatrix} G_{1} | i \\ G_{2} | I_{1} \end{pmatrix} \begin{pmatrix} G_{1} | i \\ G_{2} | I_{2} \end{pmatrix} = \begin{pmatrix} G_{1} | G_{1} | i \\ G_{2} | I_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} | i \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} | i \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} | i \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} | i \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2} | G_{2} \end{pmatrix} \begin{pmatrix} G_{1} | G_{2} \\ G_{2$ $\langle \sigma^{1} | \sigma_{3} \rangle = 0 = \begin{pmatrix} a_{1} & b_{1} \\ C_{1} & d_{1} \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} = \begin{pmatrix} a_{1} & -b_{1} \\ C_{1} & -d_{1} \end{pmatrix} = a_{1} - d_{1} = 0$ $\langle \sigma' | \sigma_0 \rangle = 0 = \begin{pmatrix} a_1 & b_1 \\ c_1 & d_1 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} a_1 & b_1 \\ c_1 & d_1 \end{pmatrix} = a_1 + d_1 = 0$ $\langle \sigma' | = \begin{pmatrix} 0 & \frac{1}{2} \\ \frac{1}{2} & 0 \end{pmatrix}$ $\langle \sigma^{2} | \sigma_{i} \rangle = 0 = \begin{pmatrix} a_{2} b_{2} \\ c_{2} d_{2} \end{pmatrix} \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix} = \begin{pmatrix} b_{2} & a_{2} \\ d_{2} & c_{2} \end{pmatrix} = b_{2} + C_{2} = 0$ $\angle \sigma^2 | \sqrt{3} \rangle = 0 = \begin{pmatrix} a_2 b_2 \\ c_2 d_2 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 - 1 \end{pmatrix} = \begin{pmatrix} a_2 - b_2 \\ c_2 - d_2 \end{pmatrix} = \begin{pmatrix} a_2 - d_2 \\ c_2 - d$ $\langle \sigma^2 | \sqrt{\sigma} \rangle = 0 = \begin{pmatrix} a_2 & b_2 \\ c_2 & d_2 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} = \begin{pmatrix} a_2 & b_2 \\ c_2 & d_2 \end{pmatrix} = \begin{pmatrix} a_2 + d_2 = 0 \\ 2a_2 = 0 \end{pmatrix}$ a2=0 $\langle \sigma^2 | = \begin{pmatrix} 0 & \frac{1}{2}i \\ \frac{1}{6}i & 0 \end{pmatrix}$

