e as 1435A = (150 V) 14.35A  $|1'\rangle_{SA} = \sum_{3} |3\rangle_{3} |3\rangle_{a} \leq mon mormalizato$ which is the state of  $\mathcal{H}_{SA}$ Schmidt dec. 140 34 = E3 Th 137, 1374 = (Jps & 14) 11/3,4 cliperde da 65 per la scelta di 153 (voglir elimina queste dip.) =>143= (Jes & Ux) 11'35x Introduco base canonice 1134 = Ex 1K3 1KA> non objende da Co 11'75A = ( VS & VA) 11>5A  $\begin{cases} |\psi_{A}|_{SA} = \left(\int_{P_{A}} V_{S}^{(1)} \otimes V_{A}^{(1)} V_{A}^{(1)}\right) |_{1} \rangle_{SA} \\ |\psi_{Z}|_{SA} = \left(\int_{P_{A}} V_{S}^{(2)} \otimes \left(V_{A}^{(2)} V_{A}^{(2)}\right) |_{1} \rangle_{SA} \end{cases}$ =) 1475x = (VPS VS & UAVA) 1175A Proviamo a massimizerre il prodotto scalare 1 < 41 142 >34 |2 = <11 ( V5+(1) FP, JP, V(2) & V+(1) UA UA VA )11 >34 )2 max / = 11 ( \start = \st V5 Je, Je, V5 = 0 VT = U U winterda =  $\max_{k,k'} \left| \sum_{kk'} V_{kk'} \right|^2 = \max_{k'} \left| \frac{1}{2} \left( \frac{9}{12} \right) \right|^2$ Vs (2) U V + (1) = U' unitaria = max | tz (UD) |2 = max | tz (UV; Te, Je, V; ) |2 = max | tz (U' Je, Je, )|2 = max | tz (U' U" | Je, Jer |) |2 = max / tz (U/Je, Je, )  $| t_{\mathcal{L}} \left( \bigcup_{v \in \mathcal{V}} \underbrace{\bigcup_{v \in \mathcal{V}} \left( \bigcup_{v \in \mathcal{V}} \bigcup_{v \in \mathcal{V}} \left( \bigcup_{v \in \mathcal{V}} \bigcup_{v \in \mathcal{V}} \left( \bigcup_{v \in \mathcal{V}} \bigcup_{v \in \mathcal{V}} \bigcup_{v \in \mathcal{V}} \left( \bigcup_{v \in \mathcal{V}} \bigcup$ Uir (U+) Kj = Sii | Uik U\* jk = Si; | EkUik U\* ik = 1 => | < \py\_1 | \py\_2 | 2 \left( \frac{1}{2} | \frac{1}{2} 5, U; K = 1 | Uik | 2 = 1 | Uik | = 1