



En todo des capaible tenemos ...  $\frac{T}{(hu,hv)} \left( \frac{T}{g_u(u) \otimes g_v(l)} \right) = \frac{T}{(hu,hv)} \left( \frac{g_u(u) \otimes g_v(l)}{g_v(l)} \right)$  $= h \left(g_{n}(\alpha)\right) \otimes h \left(g_{v}(\underline{l})\right) = \left(\alpha \otimes b\right) \\ \left(h_{u}g_{u}, h_{v}og_{v}\right)$ Cono los des composibles genn U&V la igraldad es crenta pua todo elent de U&V  $= \frac{1}{(gu,gv)} = \frac{1}{(gu,gv)}$ Lema: Sea TE UNV (gugu) E GL(U) × GL(V)  $R(g_{u},g_{v})\cdot(T))=R(T).$ Den:  $L = \sum_{i=1}^{k} a_i \otimes b_i$  k = R(T)(gu,gv) = (gu,gv)  $= \sum_{i=1}^{k} T(a_i \otimes b_i) = \frac{(g_u g_v)}{(g_u g_v)}$   $= \sum_{i=1}^{k} g_u(a_i) \otimes g_u(b_i)$   $= \sum_{i=1}^{k} g_u(a_i) \otimes g_u(b_i)$ as, que R ((gu, y). (L)) < R (L)
cono es munho le terros ignaldad.