C: $f_y \rightarrow f_y$: antilinean operator sodisfying $||C\psi|| = ||\psi||$, $\psi \in f_y$, $C^2 = I$. We have $\langle C\psi, C\psi \rangle = \langle \psi, \psi \rangle$.

Theorem

There is a unique unitary operation

Ic: Lo(fg) - fg@fg

Ic(14><+1) = 40 C+, 4,4+ m

Det sent n=1 be cons of by.

Then { Cen] = 1 is also CONS of by,

and hence remocent is consof from

So there exists Da unitary operator

Ic: Le(hy) -> hy@hy sit. Ic (lem>keni) = em@Cen.

Y of, \$ & by. 187= \(\text{len} \begin{pmatrix} \partial \text{len} \\ \text{len} \\ \partial \text{len} \\ \part

10 xxf = = = (em | 4> < y | en> | en> < en |

Ic (14) = 5 < (em) 47 < 1/1 em> em@ Cen

= 5 (4m/47 em 8) S((6m/47 en

= 4 @ C Y