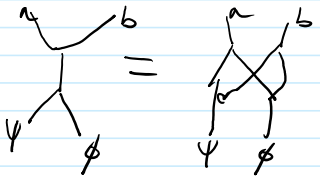
LY 29 TLV -> YYZ

7:07 PM

$m: V\otimes V \to V$. $M: V^*\otimes V^* \to V^*$

I don't know how to write the Hopf algebra axioms as a compatibility rule between a product on a vs. and its dual.

$\langle ab, \psi\phi\rangle = tr(\hat{\Delta}_{//}$



$\langle ab, \psi\rangle = \langle a\psi_1\rangle\langle b\psi_2\rangle$

$\langle ab, \psi\phi\rangle = \langle a, (\psi\phi)_1\rangle\langle b, (\psi\phi)_2\rangle =$

$= \langle a, \psi_1\phi_1\rangle\langle b, \psi_2\phi_2\rangle$

$= \langle a, \psi_1\rangle\langle a_2\phi_1\rangle\langle b, \psi_2\rangle\langle b_2\phi_2\rangle$