MZCODEMYCOD, X -> (" "). tensor or teronecter product I BOCADEM = My CADEM Das COD, and MacCaD embeds in it as MacCaDeT. (Abn Abrz A@ 0:= LAbzi Abzz. So, A@I= (A D). So, MzCMy CMgC -- mecho MzCMz@Mz CMz@Mz@Mz C--, where each embedding is done on the 1st part of the tensor. So, Upz, Mar Cas can be denoted as Brainz cas. Upz, Mar Cas is denoted \$ macas, and Upz, Mar Cas is denoted Bho MECED ON BMECED. Thm. 1: 8 " M2(6) + 8 M3(4). More generally, MA, COS MAZCOS MAZCOS MEZCOS MEZCOS - 11 if [K1,12,] and [L1,12,] don't have seeme evime factors. These are called AFO Cx-algebras Cageroximately finite dimensionals. Thm. 2: \$ 5.0. \ \tau_2(6) = \overline{\Omega} 50. \ \tau_{k_1,h_2,...22. Simplest infinite dimensional nonAbelian U.N. alg. Connecre to Co. Micco, or CCGOD This w.M. alg. is denoted by R and called the hyperfinite type II, factor Plan of groof for Thm. 1: A= @MzCas, G= @Mscas. Assume that O:A = B isomorphism exists apresents to 1 110. unique matrix trace A has a unique normalized trace I, meaning: TCLD=1, Z:A-DE tracer, good, ECRYD=ZCYND YRYGA, conto Indeed, IlmanceD=1/2+Tro => T'OO= Frace on A = T. Similarly, B has a unique trace & with 2'00=1.

If es SCAD ceraj, of A, D, e=e²=e² = 2 2ceD= oceS²= OceD+ SCEDD. Also, Treb= T'o OceD= T'roceDo