Prop P: inj. Losin (H) = { finite route oper on H} CU Thon Hp = L2(24) _ Completion w.r.z. HS-norm Hpc L2(H) (Hp:= R(O))Tp Dotes (i) It suffices to show { l(A) Ts : A & Lyin (H)} = 0 S & [l(A) To ; A & Brin (H)] $\langle S, l(A) T_p \rangle_2 = 0$ $\langle s, A \rho^{1/2} \rangle_2 = 0$ Tr 5*AP = Tr p 55 A = Tr 6 p 5) A Since Brin(H) is dense in S2(H) (Sp/2, A)2=0 YAE Bsin(H) Sp1/2=0 (Sp1/2)*=0 €) by by=0 €) by=0 P:m 1/2 = 0 = 1/2 = 0