Prove + Cat 200 (-1, 1) < 21(-1,1) HFI Assume that ge 200 (-1, 1) -> line Ug up - Ug up g is essentially bounded = 1g(x) = ess repg Chech whether Îlgasi dx < 00 S = ers rup g \$18(x) | dx ≤ \$8 dx < ∞ g ∈ Z' (-1, 1) → L° ⊂ L' € g, g E Lo (R) Prove tere triangle inequality gle g are exenticelly bounded: 1g(N) = 11gl/s 19(x)1 = 11 9110 uxung tere original triangle inequality 19+91= 191+191 18+ 914 18 14 18 14 19 U NP+qN= ing &MI JE, w (E)=0 · If+q1= M YX&E} to 18 + 90 is the infimum of 18 + 91 upper bounds 19+911 = 1191 + 11911