Note Title Math 135- Even Marc Induction Throug Coments - Ith will be graded on -HW due next to pairs)

Deametric base case: n=0 0 Mouchon 0 Q Y st (,,) a. > 1 2 . > 0 1 9 Hy ray

455 mme CIC 17) [1-9+0.5 nt 5-1 011 Apply IH Z = ± う (一

Stora Strong induction is close, but here: Werre DO SSN P(I) P(I) P(K-I) -> P(K) in duction! More is Showing: 0 inductive ste

Ex: Show that if n>1 ten in can be written
as a product of primes. proof: Base IS: Show that cse 1 be written as can be written as the number & between case: n=2 2 = a, b = n-1 N Car Ŋ Ś product of primes, son can also. & Composi ロアーズの of primes. (which is be written as product By IH a +b cas ther 220 2-1 product of primes Drime! Dors

Ex: Prove that every amount of postsse of 12 just 4+5 cent stamps.