Now let N(SK) = nu. 86 elements in SK = number of Xs in the interval Then (n-1) 5 = 5 (x1-x) - def of 52 Trinde by nk25 (n-1) & (m-N(5k)) x5 (-) (n-1) > 1 - N(5k) Then X = mean & S = Sample Standard devicing -X-X/XX of (n-1) st > (n-N(sk)) Ks2 because there are n total 22 values

N(sk) in the interval and n-N(sk) out now when x is out of the interval we must have |x, x| >ks 0 (N-1) S > S (X1-X) - Since S (X1-X) >0 = Si (xi-x) + Sixxxx - since i corresponds to di 1×-x/xxx /x-x/xxx

3/2/2 N(5m) N(5x) days the proportion of x values in the interval \* & Sandard deviations & The mean is > I to or botter the proportion of data - this is one form of chapshous This is Chebysheu Proper this last term