To find out correlation (3,2)(3,3)(6,4) X - 3, 3, 6 $\frac{1}{h-1} = \frac{1}{2} = \frac{(x-x)(y-y)}{2}$ $\frac{1}{2} = \frac{1}{2} = \frac{1$ y = 2,3.4 $S_{x} = (x-i)^{2}$ $\sqrt{n-1}$ > - Std . Trains - first step colculate the mean of x & y Mean of x = 3+3+6 . 12 = \$4 " ' y - 2+3+4 . 9 - 3 - find out the std. deviations => 3x = 1.73 Sy = 1.00

Two brit of Then based on the std. deviations we find out the differences, then as n=3, we multiply (3-4)(2-3); (3-4)(3-4); (6-4)(4-3)222 +1 360 - Add them = 3= 3= $\frac{3}{1.73 \times 1} = 3$ Divide by Sx & Sy standos sports = 173 Now divide above usualt by (3-1) = 2 -1 variables = 1.73 = 0.86 / Something the second of the se