C1.4 4.6 Cochran's Test for Related observations In a Comparison of different methods of soothing Ed. young babies, four method (warm water, rocking, Pacifie) , sound) were applied to each of 12 neonates. Each of the 48 Combinations Was classified as Successful (+) Or UNSuccessful (-), with the following results : d-18 No: No Sianificainte Subjet differences among the treatment 0 2 Ma: Significant d-3 + 7.95(3) 4 0 C=4 + + + 5 4 4 Y=12 + + N=24 2 P 2 + 1 + + + 24 $T = C(C-1) - \frac{2(C_j - \frac{N}{c})^2}{2R_i(C-R_i)}$ $=4(3)\left[\left(4-\frac{24}{4}\right)^{2}+\left(8-\frac{24}{4}\right)+\left(6-\frac{24}{4}\right)^{2}+\left(6-\frac{24}{4}\right)^{2}\right]$ 0+1(4-1)+1(4-1)+0+4(4-4)+3(4-3)+2(4-2)+2(4-2)+3(4-3)
+1(4-1)+3(4-3)+4(4-4)

 $\frac{12(4+4+0+0)}{3+3+0+3+9+4+3+3+3} - \frac{96}{18+8} - \frac{96}{26} = 3.6923$ 306923 < 7.815Do not rejet to here is no significal differences among the tredmat.