Professor Weinberg, Uferstrasse9, Tubingen, Germany.

Dear Prefessor Weinberg,

I think I understand, now, the material you have as Peter's school notes and see that the 9 x 5 centingency table, if used to compare the observed frequencies with those to be expected or the hypothesis of independence, using the existing marginal totals would give 38 degrees of freedom. Some of the cells of the table are uneccupied and it would be necessary to put these together in some way appropriate to the hypothesis to be tested so as to make the expectation in every cell equal at least to 5 units, since the X distribution is not very reliable when the expectations are less than this.

I do not see in any case how the number of degrees of freedom can be brought to the fractional value 52 x 45, or about 2, 544 but perhaps I have not understood which hypothesis it is you wish to test.

Yours sincerely,