We wish to prove

· Since Eigh = (eixeg). Ex it follows that

Eigh = 0 if i = j, j = h, or h = i since it would always be possible to get a term like eixer, which is identically of Thus

Eigh ~ Figh]

· Now if it it the them \\ \E_{123} = (\frac{1}{2} \times \text{L}_2) \cdot \frac{1}{2}_3 \\
com be written as

now surted rous 122 and then 223 and then transperl (which doesn't affect the determinant)

(SANTAL