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$\frac{1}{3} A_{ij} = \frac{1}{3} \delta_{ij}$
Solution
Taking the trace
of A_{ij} gives $A_{ii} = \frac{1}{3} B_{kk} + 3B$
 $A_{ii} = \frac{1}{3} B_{kk} + 3B$ since i and k are dummy indices. This gives $B_{kk} = 1 - 6A_{kk}$
Substituting for B_{kk} and solving for B_{ij} gives $3B$

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$\epsilon_{ij} = \frac{1}{2}(u_{i,j} + u_{j,i})$
or $\epsilon_{ij} = \frac{1}{2}(u_{i,j} + u_{j,i})$
Problem 2.11

Show that the value of the quadratic form $T_{ij} x_i x_j$ is unchanged if T

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