## [gex119] Application of quotient rule II

Show that if the array  $T_{ij}$  is symmetric  $(T_{ij} = T_{ji})$  and  $T_{ij}V^iV^j$  is invariant for all contravariant vectors  $V^i$ , then  $T_{ij}$  is a covariant rank-2 tensor.

## Solution: