$$\boxed{\gamma = \alpha \otimes \beta}$$

Check:

The ws are elements in V as $\gamma \in \Lambda^{k,k}$, and Λ^k: set of covariant tensors

$$\sum_i \theta_i \otimes \theta_i$$

$(V \otimes V)$

$\theta_i \in$

$e_i \otimes e_j$

$\int$

$\otimes \quad \frac{A}{B} \quad \frac{A}{B} \quad \boxed{\frac{A}{B}}$

$\boxed{e_j : \text{dual basis.}}$

~~θ_i is a linear map~~

$\theta_i \in L(V; \mathbb{R}) \qquad \theta_i(e_j) = \delta_{ij}$

So $\theta_i \otimes \theta_j$ is well-defined.

$\theta_i \otimes \theta_j (u, v) = \theta_i(u)\, \theta_j(v)$

Run 20 different setup $= u_i v_j$

$I(u, v) = \sum u_i v_i$

$I(\theta_1) + T_1(\theta_1)(w) = I(v_1, w_1) = \sum$