Proof

$$\underline{V}^0 + \underline{W}^0 \subset (U \underline{\Omega} \underline{W})^0$$

Let $\underline{V} + \underline{D} \in \underline{U}^0 + \underline{W}^0$

Given any $\underline{X} \in (U \underline{\Omega} \underline{W})$
 $(\underline{V} + \underline{W}) \times = \underline{V}(\underline{X}) + \underline{W}(\underline{X})$
 $= 0 + 0$

Thus you & (v +w)

dim (y° two) = (dim y°)+(dim w°)- (dim (y° \mathbb{N}))

(by 2.43. V° is subspace of finite-dimensional V'

w° is subspace of finite-dimensional V')