$$U = \{(x, x, y, y) \in F^4 : x, y \in F\}$$

$$W = \{(x, x, y, y) \in F^4 : x, y \in F\}$$
Let
$$W = \{(0, a, o, b) \in F^4 : x, y \in F\}$$
Let
$$any(p, q, x, s) \in F^4$$

Let any $(p, q, x, s) \in T^4$ $(p, q, x, s) = (p, p, x, x) + (o, q-p, o, s-x) \in U + W$ Hence, u +w = +4 (1)

Let conditrony
$$(x,x,y,y) \in \mathcal{V}$$
 and $(o,a,o,b) \in \mathcal{V}$.
 $(x,x,y,y) = (o,a,o,b) (\Longrightarrow) (x=a=o)$
 $(x,y,y,y) = (o,a,o,b) (\Longrightarrow) (x=b=o)$

$$=)U \cap W = \{0\} (2)$$