Vi, 
$$V_2$$
,  $V_1$  subspaces of  $V_1$ 
 $V_1 = V_1 \oplus V_2$  and  $V_2 = V_2 \oplus V_3 = V_2$ 

Assume  $V_1 = F^2$ .

 $V_1 = \{(x,0) \in F^2 : x \in F^3\}$ 
 $V_2 = \{(0,y) \in F^2 : y \in F^3\}$ 
 $V_3 = \{(x,0) \in F^2 : x \in F^3\}$ 

•  $V_4 + U_1 = \{(x,x,0) \in F^2 : x \in F^3\} = F^2$ 

•  $V_1 + U_2 = \{(x,x,0) \in F^2 : x \in F^3\} = F^2$ 

•  $V_1 + U_2 = \{(x,x,0) \in F^2 : x \in F^3\} = F^2$ 

•  $V_2 + U_3 = \{(x,x,0) \in F^3 : x \in F^3\} = F^3$ 

•  $V_3 + U_4 = \{(x,x,0) \in F^3 : x \in F^3\} = F^3$ 

•  $V_4 + U_4 = \{(x,x,0) \in F^3 : x \in F^3\} = F^3$ 

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•  $V_4 + U_4 = \{(x,x,0) \in F^3 : x \in F^3 : x \in F^3\} = F^3$ 

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•  $V_4 + U_4 = \{(x,x,0) \in F^3 : x \in F^3 : x \in F^3\} = F^3$ 

 $= ) V_{\delta} \oplus U = F^{\delta}$   $\int_{\Theta} - F = V_{\delta} \oplus U \quad \text{and} \quad F^{2} = V_{2} \oplus U \quad \text{but} \quad V_{\delta} \neq V_{\delta}.$