Proof:

(u+w)° C v° n w°

since  $0 \in W$ ,  $\psi(u + 0) = \psi(u) = 0$  for all  $u \in U$ .

Similarly, since DEV, 4(0+w) = 4(w) = 0 for all we w

Thus YEV° and YEW° => YEU° N W°.

U N W C (U +W)

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> v € (V+W) > V nW C (V+W)