= (dim V - dim V) + (dim V - dim W)
- (dim V - Cdim V + dim W - dim U N W) 243)

( by 3.10b)

= dim V - dim(UNW) (by solving)

(1) Thus dim v = dim (v°+w°) + dim (v n w) (rearranging)

(2) More Ever, obsertive that dim v = dim (vnw) + dim (vnw)

comparing (1) & (2), dim (U°+W°) = dim (UNW)

By Exercise 20(1) Axier,

v°+w = (u n w)°