show injectivity

- ► let f(7) = T'=0 for any T & d(V, w)
- By 3 815, T =0 ✓

show sune thirty

- > By 3.61, dim 2(v, w) = (dim v) (dim w)
- Similarly, dim of Cw', v'] : dim cw'l dim (v')

s(dim w) (dim v) by 3 gy ~