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Proof unv 65 U-VEW is an equimbral relation
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- 1. reflexivity: Show that (u,u) &~
 - u~u (=> v-v E W
 - (=> 0 6 W (u-u=0)
- Change definition of Wars a subspace show that University 2. symmetry:
 - u~v @> u-v EW (Det ~)
 - (=> (v-u) Ely (community and distributionly)
 - (Closus under scalar wealtiglication)
 - (=) v~u
- 3. Transitivity: arb abre
 - (=) a-bew , b-cew
 - (pef ~) €>(a-b+b-c) € w
 - €) (a-c)
- (Closuse under oudsition) (6-6 =0)
- (-) 4~(
- =) UNV as u-veur is an equivalence relation, since it is reflexive, transitive new symmetry