

Lecture 2 PM

anti-symmetric (+ non-symmetric)

- you cannot have both (x,y) and (y,x) ever - ex: X<Y, X \(\) are anti-symmetric # (antisym on n items) = 2" \(\) 3 \(\) (n,2)

- ex: ic n=3, #(1)=2x2x2x3x3x3

for Ea, b, c3, any single item can be reflexive or not reflexive, so 2x2x2. Then for any 2 items a,6, ic there is (a b), 6-ob) (be a) V. It (a) b), no. Hence, 3x3x3.