Conjugate Symmetry If for are all real, then Fx = FN-K. (2) Readling that e'= coso+isino and e'= coso - isino, we observe that $e^{i\theta} = e^{i\theta}$. .. also $W^j = W^j$. 3) For real X, X= X, since its imaginary part is O. Now Fr-k = 1 Sfn W-n(N-K) $=\frac{1}{N} \lesssim f_n W^{-n(N-n)}$ = I St for W-n(N-K) by 3 since for are real. = INST for W-n(-k) by O = I Str Wink by Q = Fx by definition