- Proposition 4.4: show dim ((C[⊥])[⊥]) = dim(C) and C ⊆ (C[⊥])[⊥].
 Proposition 4.5: show ∀y ∈ F^{n-k}_q, yH ∈ C[⊥], let f_H(y) = yH so im(f_H) ⊆ C[⊥] and show dim(im(f_H)) = dim(C[⊥]).
- **Proposition 4.6**: similar to prop 4.5, use that $P^T = P^{-1}$.