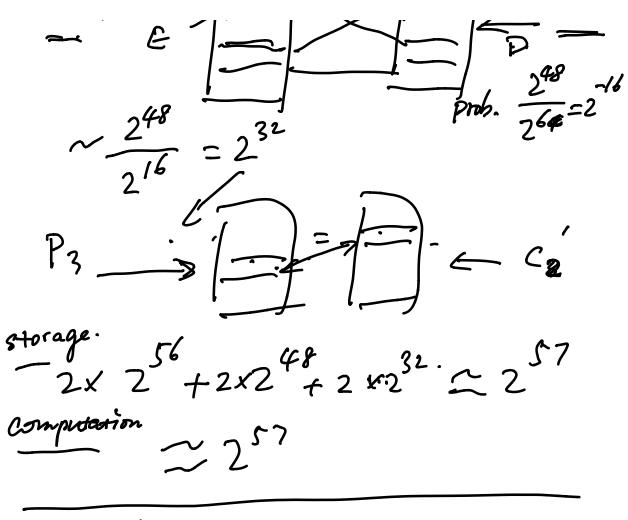
3DES & AGS ECE471/571. $\sim 2^{1/2}$ pairs. Meet - in-the - middle attack. Exp # of same indemediate 67 $2^{56} \times \frac{2^{56}}{2^{69}} = 2^{56} \times \frac{1}{28} = 2^{68}$ (Ku, Ku) 2 (imposters) all Kir.



AES.

- O not feistel. structure
 - 2. 1 permutation, 2 substitutions in each round
- 3. simple structure
- 4. Only Add round Key uses the key
- B. all stages are reversible

Dec. is not the same as Enc.