



1. Express  $I_{(A \cup B) - (B \cup C)}(\omega)$  in terms of  $I_A(\omega)$ ,  $I_B(\omega)$ , and  $I_C(\omega)$ .

2. Prove 
$$\frac{\binom{n}{x} (k)_x (M-K)_{n-x}}{(M)_n} = \frac{\binom{k}{x} \binom{M-K}{n-x}}{\binom{M}{n}}.$$

- END OF QUIZ -