We know that: $P(A \cap B) = \frac{n}{4}$ $P(A^c) = \frac{n}{3}$ $P(B) = \frac{n}{2}$ We want to find: $P(A \cup B)$

P(AUB) = P(A) + P(B) - P(AAB) = 2/3+1/2-1/4= 1/1/2 P(S2) = 1 / = P(A) = 2/3 $P(A^{c}) = \frac{1}{3} / = P(A) = 2/3$

Indusion - Exclusion Char Bodo