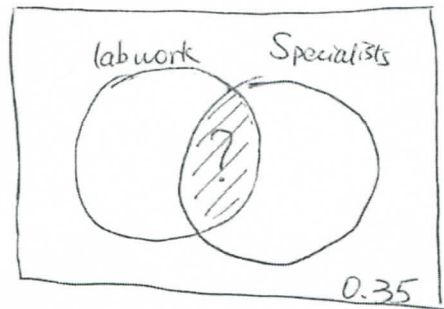


# Exam P 002 (General Probability)



We know that the sum of all probabilities must be 1

$$\Rightarrow 1 = 0.35 + P(L \cup S)$$

$$0.65 = P(L \cup S) = P(L) + P(S) - \underbrace{P(L \cap S)}$$

↑↑  
what we want  
to solve

Thus :  $0.65 = 0.4 + 0.3 - P(L \cap S)$

$$P(L \cap S) = -0.65 + 0.7 = \boxed{0.05}$$