Ejercicio 3.1

$$P(A0 \le X \le 50) = P(X \le 50) - P(X \le 40)$$

$$= \sum_{i=0}^{50} C_i^{100} (0,5)^i (1-0,5)^{00-i} - \sum_{i=0}^{40} C_i^{100} (0,5)^i (1-0,5)^{00-i}$$

$$= \sum_{i=40}^{50} \binom{100}{i} \binom{0,5}{0,5}^{i} \binom{0,5}{0,5}^{i}$$