

Ω -losujemy 2 dowolne książki z $7+8=15$ książek

$$\bar{\Omega} = C_{15}^2 = \frac{15!}{2! * 13!} = \frac{14 * 15}{2} = 7 * 15 = 105$$

a) A-losujemy 2 nowele z 7

$$\bar{A} = C_7^2 = \frac{7!}{2! * 5!} = \frac{6 * 7}{2} = 3 * 7 = 21$$

$$P(A) = \frac{\bar{A}}{\bar{\Omega}} = \frac{21}{105} = \frac{1}{5}$$

b) B-losujemy 1 nowele z 7 i jedna biografie z 8

$$\bar{B} = C_7^1 * C_8^1 = 7 * 8 = 56$$

$$P(B) = \frac{\bar{B}}{\bar{\Omega}} = \frac{56}{105} = \frac{8}{15}$$