2. Total number of indepens that meet the interia 5.4.5+5.4.5.7+5.4.5.7·6=5000

Total Wages: 100,000

Chance of picking 1: 5000

Number of ways to generate 8 numbers with 5 being meeting criteria: (3)

Chance of generating 8 with 5 meeting witeria in one specific order:

 $\left(\frac{5000}{100,000}\right)^{5} \times \left(\frac{45,000}{100,000}\right)^{3}$

Final answer:
$$\left(\frac{5000}{100,000}\right)^5 \cdot \left(\frac{45,000}{100,000}\right)^3 \cdot {8 \choose 5} \approx 1.50 \times 10^{-5}$$

(44N, 555, 666 / 111, 222, 333) 3. P(A N) = =

$$b(y) = \frac{3}{1} \cdot \frac{3}{1}$$