

Let's estimate the probability of each operating system:

$$P(\text{android}) = \frac{429}{600} = \frac{143}{200}$$

$$P(\text{windows}) = \frac{107}{600}$$

$$P(\text{Apple}) = \frac{600 - 429 - 107}{600} = \frac{64}{600} = \frac{8}{75}$$

Thus if we have 3 people, then probability that first two have Apple and third has Windows OS equals to

$$P(\text{android})^2 P(\text{windows}) = \left(\frac{143}{200}\right)^2 \cdot \left(\frac{8}{75}\right) = \frac{20449}{375000}$$