E: price is expired
$$P(E) = \frac{5}{500} = \frac{1}{100}$$

$$P(\text{Second one expired} \mid \text{first one expired}) = \frac{4}{499} = \frac{1}{125.75}$$

$$P(\text{both expired}) = \left(\frac{4}{100}\right) \cdot \left(\frac{4}{499}\right) = \frac{4}{49900} = 0.00008$$