

## LÖSUNG ZU 424

a)

X ... Abfüllmenge in ml

$$\mu = 500 \text{ ml}$$

$$P(X > 495) = 0,95$$

$$\Phi\left(-\frac{495-500}{\sigma}\right) = 0,95$$

$$\Phi(1,65) \approx 0,95 \quad \rightarrow \quad -\frac{495-500}{\sigma} = 1,65 \quad \rightarrow \quad \sigma \approx 3,03 \text{ ml}$$

