

$$3) P[\rho_{\text{mejni}} < p] = 1 - \alpha$$

$$P\left[\hat{p} - k_{1-\alpha} \sqrt{\frac{\hat{p}(1-\hat{p})}{n}} < p\right] = 1 - \alpha$$

$$k_{1-\alpha} = 1.645$$

$$\text{ZAHTEVA: } k_{1-\alpha} \sqrt{\frac{\hat{p}(1-\hat{p})}{n}} \leq 0.01$$

$$\frac{\hat{p}(1-\hat{p})}{n} \leq \left(\frac{0.01}{k_{1-\alpha}}\right)^2$$

$$n \geq \left(\frac{k_{1-\alpha}}{0.01}\right)^2 \hat{p}(1-\hat{p})$$

\hat{p}	0.02	0.05	0.10
n	≥ 531	≥ 1286	≥ 2435