

3) DVA VEORCA : IZRAČUNAMO $\bar{X}, \bar{Y}, S_X^{*2}, S_Y^{*2}$:

$$\bar{X} = 5.958 \quad S_X^{*2} = 5.189 \quad \nu_X = 5$$

$$\bar{Y} = 8.368 \quad S_Y^{*2} = 6.017 \quad \nu_Y = 4$$

$$\frac{\sigma_X^2}{\sigma_Y^2} \in \left[\frac{1}{F_{1-\alpha/2}} \frac{S_X^{*2}}{S_Y^{*2}}, \frac{1}{F_{\alpha/2}} \frac{S_X^{*2}}{S_Y^{*2}} \right]$$

$$F_{1-\alpha/2, 5, 4} = 6.256$$

$$F_{\alpha/2, 5, 4} = \frac{1}{F_{1-\alpha/2, 4, 5}} = \frac{1}{5.192} = 0.1926$$

$$\frac{\sigma_X^2}{\sigma_Y^2} \in \underline{\underline{[0.1379, 4.478]}}$$